



*Serving the nation since 1947*

# **UNIVERSITY OF SINDH**

## **PROSPECTUS-2023**

### **FOR**

### **BACHELOR AND MASTER DEGREE PROGRAMMES**

**Morning and Evening Programmes offered at**

- ▶ Allama I.I. Kazi Campus, Jamshoro
- ▶ Sindh University Laar Campus Badin
- ▶ Sindh University Campus Mirpurkhas
- ▶ Mohtarma Benazir Bhutto Shaheed Sindh University Campus Dadu
- ▶ Sindh University Campus Larkana
- ▶ Sindh University Campus Thatta
- ▶ Khan Bhadur Syed Allahnd Shah Sindh University Campus Naushahroferoze

**University of Sindh reserves the right to make alterations  
in curriculum, fee structure and examination schedule**



## Mission

*To develop human resources by imparting quality education in all fields of science, arts and technology also to develop a body of teachers and taught who would be aware and proud of their culture and possess a high sense of honour and integrity and work with selfless dedication, commitment and responsibility towards society to contribute to the prosperity of people and peace and harmony in the country.*

## Vice-Chancellor's Message



**Prof. (Meritorious) Dr. Muhammad Siddique Kalhoro**  
**Vice-Chancellor**

I am absolutely delighted to extend my warm greetings to you all for choosing University of Sindh Jamshoro for higher studies. This university is one of the oldest Alma mater in the country which is rendering invaluable services to the people of Pakistan in general and Sindh in particular. This noble higher seat of learning will turn your dreams into reality by providing you not only education of your choice but counseling, guidance, extra-curricular activities, and scholarship opportunities for students from humble backgrounds. The university is thriving because of its highly qualified faculty members, well equipped laboratories, updated libraries and cutting edge technology. All these factors will make ample contribution to your intellectual and physical growth. Students' preferences have been catered for, by providing education in a variety of disciplines. Degrees are offered in as many as Sixty-Eight in Bachelor and Fifty-Three in Master Degree Programmes. Including new programmes: BS (Coastal and Marine Science), BS (Data Science), BS (Disaster Management), BS (Economics and Finance), BS (English Language Teaching), BS (Forensic Accounting and Fraud Examination), BS (Poultry Farming and Management), BS (Public Health) & Post Graduate Diploma (PGD) in Digital Health. This catalogue will help you to choose the discipline that is close to your aspirations. Since the majority of students come from humble backgrounds therefore the University of Sindh provides education at affordable cost. Besides an assortment of scholarship programmes are offered by the university for which you have to compete and earn your share. The scholarship programmes include many scholarships offered by the federal government, government of Sindh and other sponsoring agencies. University of Sindh Jamshoro strives hard to develop students' personality as multifaceted. This is achieved by providing various co-curricular activities, seminars, workshops, debate competitions, talent hunt programmes in acting, music and conferences. Hence your stay at this Alma mater will not be restricted to books only rather we will provide you platforms where you will be groomed from various aspects.

As the Vice Chancellor of this first University of Pakistan, students' comfort and security on the campus have always remained my top priority. The hilly and rocky campus of Jamshoro is ready to embrace you and provide you more than you aspire. Your real growth and progress depends on the amount of hard work you put in during your student life. Don't forget that this is the golden time for you to make or break your dreams. More than 600 highly qualified faculty members and other trained personnel are always there to help you in all the matters related to academia and beyond. I wish you all the very best in future endeavors. May God Bless you all

## UNIVERSITY ACADEMIC CALENDAR 2023

### ACADEMIC SCHEDULE

#### FIRST SEMESTER- 2023

Date of start of classes	Monday 2 <sup>nd</sup> January 2023
Orientation Day	Tuesday 10 <sup>th</sup> January 2023
Mid Term Test	Monday 6 <sup>th</sup> March 2023
Semester Classes End	Friday 28 <sup>th</sup> April 2023
Semester Examinations Starts	Monday 8 <sup>th</sup> May 2023
Summer Break	Thursday 01 <sup>st</sup> June 2023 To Sunday 30 <sup>th</sup> July 2023

#### SECOND SEMESTER – 2023

Date of start of classes	Monday 31 <sup>st</sup> July 2023
Mid Term Test	Monday 25 <sup>th</sup> September 2023
Semester Classes End	Friday 24 <sup>th</sup> November 2023
Semester Examinations Starts	Monday 4 <sup>th</sup> December 2023
Winter Break	Monday 18 <sup>th</sup> December 2023 To Sunday 31 <sup>st</sup> December 2023

## HOLIDAYS FOR THE ACADEMIC YEAR 2023

### NATIONAL HOLIDAYS

Kashmir Day	Sunday	05-02-2023
Pakistan Day	Thursday	23-03-2023
Labor Day	Monday	01-05-2023
*Eid-ul-Fitar	Friday	21-04-2023 to Sunday 23-04-2023
*Eid-ul-Azha	Wednesday	28-06-2023 to Friday 30-06-2023
*Youm-e-Ashur	Saturday	29-07-2023 to Sunday 30-07-2023
Independence Day	Monday	14-08-2023
Allama Iqbal Day	Thursday	09-11-2023
Quaid-e-Azam's Birthday	Monday	25-12-2023

\* (Subject to appearance of the Moon)

### OPTIONAL HOLIDAYS

Non-Muslim University employees are entitled to avail any three of the following optional Holidays, in a Calendar Year.

01. Shivartri	06. Janam Ashtami
02. Holi	07. Durga Puja
03. Easter Sunday	08. Dussehra
04. Baisakhi	09. Dewali
05. Basant Punchami	10. Guru Nanak Birthday



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## ABOUT THE UNIVERSITY OF SINDH

**University of Sindh**, the oldest University of the country was constituted under the University of Sindh Act No. XVII of 1947 passed by the Legislative Assembly of Sindh.

From 1947 to 1951, the university functioned solely as an examining body. However, after its relocation in Hyderabad in 1951, it started functioning as a teaching university in pursuit of fulfillment of its charter and mission to disseminate knowledge. The first teaching department, namely the Department of Education, raised to the status of Faculty later, was started in view of the great dearth of trained teachers in the country. The departments of Basic Science disciplines as well as other departments of humanities were gradually commenced by mid-fifties. The Mehran University of Engineering and Technology Jamshoro, Sindh Agriculture University Tando Jam and Shah Abdul Latif University Khairpur remained the subcampuses of the University of Sindh. The Liaquat Medical College Jamshoro, Chandka Medical College Larkana and Peoples Medical College Nawabshah now all independent universities had been affiliated with University of Sindh and the University of Sindh was their examining body.

The development of the present campus, designated as Allama I.I. Kazi Campus, at Jamshoro, about 17 kilometers from Hyderabad started in late 1950's. The Act of 1972 under which the university is presently functioning provided for greater autonomy and representation of teachers.

There are 60 teaching institutes/centres/departments offering degrees in 121 disciplines functioning under various academic faculties. Degree Programmes in some of the disciplines such as Biotechnology and Genetic Engineering, Environmental Science, Law (05 years Degree LLB and 2-Year LLM), Anthropology and Archaeology and Forestry have been added since 2001. The University of Sindh, Laar Campus at Badin started functioning in 2007, Mirpurkhas campus of the university has been launched since January 2010. Dadu Campus of the university is functioning from 2012 Thatta and Larkana Campuses are functioning from 2013. In addition, there are presently more than 74 degree and postgraduate public sector colleges along with 14 Private colleges and 15 Law colleges are affiliated with the university.

### Programmes of Studies

The university's teaching departments offer **4-year BS degree** under various faculties such as Faculty of **Arts, Commerce and Business Administration, Education, Islamic Studies, Natural Sciences and Social Sciences**. Degree in Pharmacy (**Pharm-D**) and Bachelor of Law (**D-Juris**) are of five-year duration.

Each faculty works under the Dean appointed by the Chancellor for a term of 3 years. Master degree Programmes generally comprise 2-year duration after Bachelor (Pass) degrees. Students obtaining 4-year Bachelor degrees are taken directly for M.Phil. / MS studies.

The two-year Bachelor (Pass) degree Programmes in Arts, Commerce and Sciences are conducted through various degree colleges affiliated with the University of Sindh.

The LLM and the 05 years Law degree (D. Jur.) classes are conducted in the Institute of Law Located at Metharam Hostel building @ Elsa Kazi Campus, Hyderabad.

Degree Programmes in the **Evening** shift introduced since 2001 include Master's degree in English, 04 years BS Chemistry, Computer Science, Information Technology, Commerce, Master's degree in Telemedicine, E-Commerce, Multimedia Technology, Business Administration and Public Administration. Postgraduate Diploma in Information Technology, Computer Science and 01-year Bachelor and Master degree Programmes in Physical Education and many other disciplines.

The 01-year Postgraduate Diploma may lead to admission to Final Year Master's degree in the relevant discipline.

## UNIVERSITY TOWN JAMSHORO AT A GLANCE

Jamshoro, the largest residential campus in the country, is situated about 17 km from Hyderabad on the right bank of River Indus. It was a desolate hilly track until 1955 when it was selected for the establishment of Sindh University Campus. The site was selected to be a university township away from the humdrum of Hyderabad city which lacked room to meet the ambitious expansion programme of the university.

Interestingly, Jamshoro virtually is the gate-way to the Indus Valley – now the world famous for its civilization and rich cultural heritage. The Ranikot Fort is located approximately 70 km to the north of the campus, in the northward continuation of the same hilly track which becomes Laki Ranges merging with the Khirthars northwards. Amri, an important archeological site, lies about 15 km further north. Sehwan, a well-known town, lies 25 km to the north of Amri. Mancher Lake, the largest fresh water lake in the region, is situated to the northwest of Sehwan. Travelling about 150 km north through the Indus plains brings one to the site of Moen-jo-Daro which is the most important archeological discovery of the Valley.

The University of Sindh owns beautiful infrastructure and developed roads throughout its main campus. There are 24 teaching blocks including the largest building of the Faculty of Arts. In addition, there are 60 institutes/departments/centres. Sixteen halls of residence provide accommodation to nearly 2500 male and 1500 female students. There is a separate hostel for postgraduate female students. A beautiful Hyder Bux Jatoti Sports Centre provides indoor games facility, track for athletics and sports grounds. Fatima Jinnah Gymnasium provides Games and Sports facility exclusively for girls. The Institute of Sindhology building, the representation of the cultural heritage of Sindh, adorns the entrance to the campus from the Indus Highway. The magnificent central library building named after Late Allama I. I. Kazi, the first Vice Chancellor of the University of Sindh at Hyderabad. Allama I.I. Kazi conceptualized this campus which serves as a land mark even from a distance. The campus itself has been named after Allama I.I. Kazi as a tribute to this great and visionary scholar.

The residential colony for the faculty and staff of the university provides on-campus residence to about one third of the total employees.

The tree lined roads and greenery developed at the campus has completely transformed the university into a greenland. The location of the university sharing area with the Mehran University of Engineering and Technology and Liaquat University of Medical and Health Sciences complex in the neighborhood has gone a long way in this transformation to a university township.

The University provides easy accessibility and facilitates in organizing National/ International Conferences, Symposia and Seminars on variety of themes related to all disciplines offered by the university. Inter and intra varsity sports competitions and annual sports meets have become regular features. Our graduates perform excellently in those competitions and win prizes proving their potential and interest. The museum and various art galleries of the Institute of Sindhology attract a large number of visitors. Recently constructed Shaheed Muhtrama Benazir Bhutto Research and Convention Centre is a significant addition to boost applied and academic research.

## UNIVERSITY COMMUNITY PARTNERSHIP

The University of Sindh is redirecting its economic and intellectual resources, campuses facilities, affiliated community colleges and other assets to benefit its rural and urban community in many innovative ways. The university is planning to work for economic development and provides needed social services, and also offers technical assistance to community-based organizations and projects. Moreover, It carries out research that provides guidance on solving Problems and creates opportunities for stake-holders to learn from one another and from the community.

**Following steps have been taken to create a strong relationship between the University of Sindh and its community.**

- ◆ Bursaries, free ship and Scholarships are provided to deserving candidates.
- ◆ Special seats in admission are reserved for students from disadvantaged communities.
- ◆ Courses are taught in community colleges for potential future University students.
- ◆ Visits by university staff and students to schools and colleges are undertaken.
- ◆ University students particularly teacher trainers are sent to the schools and colleges to engage classes and provide mentoring during their B.Ed. training.
- ◆ Personal support through university tutors, student peer mentors; staff helping students to navigate academic and support systems and counseling health and disability services.
- ◆ Financial support including emergency and hardship funds and assistance is provided to poor students.
- ◆ Employment support including job services as teaching assistants and faculty to earn and gain employability skills is given.

**In addition to above mentioned steps the University of Sindh manages/organizes following activities every year:**

- ◆ Cultural / National days in all campuses as well as in affiliated colleges
- ◆ Blood donations for needy persons
- ◆ Book donations
- ◆ Help and shelter to food/rain affected people at the time of need.
- ◆ Organization of Seminars related to community issues
- ◆ Training for volunteers for social and community work



## AUTHORITIES OF THE UNIVERSITY

*As per Charter of the University, following are the authorities of the University of Sindh*

- |                               |   |
|-------------------------------|---|
| <b>1. Senate</b>              | <b>6. Selection Board</b>                     |
| <b>2. Syndicate</b>           | <b>7. Advanced Studies and Research Board</b> |
| <b>3. Academic Council</b>    | <b>8. Affiliation Committee</b>               |
| <b>4. Boards of Faculties</b> | <b>9. Finance &amp; Planning Committee</b>    |
| <b>5. Boards of Studies</b>   | <b>10. Discipline Committee</b>               |

## DEGREE PROGRAMMES

### FACULTY OF ARTS

#### Bachelor Degree Programme 4 Years (8 Semesters)

BAH	Arts & History
BFA	Fine Arts
B. Design	Textile Design
B. Design	Communication Design
BS	Sindhi
BS	English Language and Literature (Morning & Evening)
BS	English Applied Linguistics (Morning & Evening)
BS	English Language Teaching
BS	Arabic
BS	Persian
BS	Philosophy
BS	Urdu

#### Master Degree Programme 2 Years (4 Semesters)

MA (Pass)	Arabic
MA (Pass)	Art Education (Evening)
MA (Pass)	English Language and Literature (Morning & Evening)
MA (Pass)	English Applied Linguistics (Morning & Evening)
MA (Pass)	Fine Art
MA (Pass)	Philosophy
MA (Pass)	Persian
MA (Pass)	Sindhi
MA (Pass)	Urdu

### FACULTY OF COMMERCE & BUSINESS ADMINISTRATION

#### Bachelor Degree Programme 4 Years (8 Semesters)

BS	Commerce (Morning & Evening)
BS	Banking and Finance
BS	Forensic Accounting and Fraud Examination
BBA (Honours)	Business Administration (Morning & Evening)

#### Master Degree Programme

M.Com (Pass)	Commerce 2 Years (4 Semesters)
MBA (Honours)	Business Administration 2 Years (4 Semesters)
MBA	Business Administration 2 Years (6 Semesters) (Evening)

### FACULTY OF EDUCATION

#### Bachelor Degree Programme

B.Ed. (Elementary)	Education 4 Years (8 Semesters)
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#### Master Degree Programme

B.Ed. Secondary	Education 2.5 Years (5 Semesters) (Weekend)
B.Ed. Secondary	Education 1.5 Years (3 Semesters) (Weekend)

### FACULTY OF ENGINEERING AND TECHNOLOGY

#### Bachelor Degree Programme 4 Years (8 Semesters)

BS	Electronic Engineering
BS	Telecommunication Engineering
BS	Information Technology (Morning & Evening)
BS	Software Engineering (Morning & Evening)
BS	Data Science

### FACULTY OF ISLAMIC STUDIES

#### Bachelor Degree Programme 4 Years (8 Semesters)

BS	Comparative Religion
BS	Islamic Studies
BS	Muslim History

#### Master Degree Programme 2 Years (4 Semesters)

MA (Pass)	Comparative Religion
MA (Pass)	Islamic Studies
MA (Pass)	Muslim History

### FACULTY OF LAW

#### Bachelor Degree Programme 5 Years (10 Semesters)

LLB	Law
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#### Master Degree Programme 2 Years (4 Semesters)

LLM	Law (Evening)
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### FACULTY OF NATURAL SCIENCES

#### Bachelor Degree Programme 4 Years (8 Semesters)

BS	Anthropology & Archeology
BS	Biochemistry
BS	Biotechnology
BS	Botany
BS	Chemistry (Morning & Evening)
BS	Coastal and Marine Science
BS	Computer Science (Morning & Evening)
BS	Environmental Science
BS	Forestry (Evening)
BS	Freshwater Biology & Fisheries
BS	Genetics
BS	Geography
BS	Geology
BS	Mathematics
BS	Medical Laboratory Technology
BS	Microbiology
BS	Nutrition & Food Sciences
BS	Physical Education Health & Sports Sciences
BS	Physics (Morning & Evening)
BS	Physiology

## UNDERGRADUATE PROSPECTUS **2023**

BS Poultry Farming and Management  
BS Public Health  
BS Statistics  
BS Zoology

### Master Degree Programme 1 Year (2 Semesters)

BPEHSS Physical Education, Health & Sports Science (Evening)  
MPEHSS Physical Education, Health & Sports Science (Evening)

### Master Degree Programme 2 Years (4 Semesters)

M.Sc. Actuarial Sciences  
M.Sc. Biochemistry  
M.Sc. Biotechnology  
M.Sc. Botany  
M.Sc. Chemistry (Morning & Evening)  
M.Sc. Computer Science (Morning & Evening)  
MCS Computer Science  
M.Sc. Environmental Science  
M.Sc. Fresh Water Biology & Fisheries  
M.Sc. Geography  
MA & M.Sc. Mathematics  
M.Sc. Physics  
M.Sc. Physiology  
M.Sc. Statistics  
M.Sc. Zoology  
M.Sc. Coastal Zone Management (Only at Thatta Campus) (Evening)

### FACULTY OF PHARMACY

Pharm-D. Doctor of Pharmacy (10 Semesters, Morning & Evening)  
Condensed Course 1 Year Condensed Deficiency Course (2 Semesters)

### FACULTY OF SOCIAL SCIENCES

#### Bachelor Degree Programme 4 Years (8 Semesters)

BS Criminology (Morning & Evening)  
BS Development Communication  
BS Disaster Management  
BS Economics  
BS Economics and Finance  
BS Gender Studies  
BS History  
BS International Relations  
BS Library & Information Sciences  
BS Media & Communication Studies (Morning & Evening)  
BS Pakistan Studies

BS Political Science  
BS Psychology (Arts & Science)  
BS Public Administration (Morning & Evening)  
BS Rural Development  
BS Social Work  
BS Sociology (Morning & Evening)

### Master Degree Programme 2 Years (4 Semesters)

M.Sc. Criminology (Evening)  
M.Sc. Development Studies  
MA Economics  
MA History  
M.Sc. Home Economics  
MA International Relations  
MA Media & Communication Studies  
MA Pakistan Studies  
MA Political Science  
MA & M.Sc. Psychology  
MPA Public Administration (Morning & Evening)  
MA Public Policy  
M.Sc. Rural Development (Off campus)  
MA Sociology (Morning & Evening)  
MA Social Work  
MA Women Development Studies

## ***MS / M. Phil. and Ph.D. Programmes***

MS / M.PHIL and Ph.D. Programmes will be announced separately by  
Director Graduate Studies

## ***Evening Programmes***

**NOTE** If number of students enrolled in any Evening Degree Programme/Post Graduate diploma/ certificate course is **less than 40**, then the course shall not be conducted / started and paid amount will be refunded to the candidate.

**ELIGIBILITY CRITERIA FOR BACHELOR DEGREE PROGRAMMES**

S.No.	DISCIPLINE	H.S.C. PERCENTAGE	PRE MEDICAL	PRE ENGINEERING	GENERAL SCIENCE	COMMERCE	ARTS	HUMANITIES	DIPLOMA IN ASSOCIATE ENGINEERING
<b>FACULTY OF ARTS</b>									
1	ARABIC (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
2	ART HISTORY (BAH)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
3	COMMUNICATION DESIGN (BCD)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
4	ENGLISH APPLIED LINGUISTICS (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
5	ENGLISH LANGUAGE AND LITERATURE (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
6	ENGLISH LANGUAGE TEACHING (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
7	FINE ARTS (BFA)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
8	PERSIAN (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
9	PHILOSOPHY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
10	SINDHI (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
11	TEXTILE DESIGN (BTD)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
12	URDU (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
<b>FACULTY OF COMMERCE &amp; BUSINESS ADMINISTRATION</b>									
1	BANKING AND FINANCE (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE
2	BUSINESS ADMINISTRATION BBA (HONS)	60%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE
3	COMMERCE (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
4	FORENSIC ACCOUNTING AND FRAUD EXAMINATION (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
<b>FACULTY OF EDUCATION</b>									
1	B.Ed. (ELEMENTARY) (B.Ed)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE
<b>FACULTY OF ENGINEERING &amp; TECHNOLOGY</b>									
1	ELECTRONIC ENGINEERING (BE)	60%	NOT ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
2	INFORMATION TECHNOLOGY (BS)	50%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
3	SOFTWARE ENGINEERING (BS)	50%	NOT ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
4	TELECOMMUNICATION ENGINEERING (BE)	60%	NOT ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
5	DATA SCIENCE (BS)	50%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
NOTE: UNIVERSITY OF SINDH RESERVES THE RIGHT TO RECTIFY ERRORS AND OMISSIONS DETECTED AT ANY STAGE.									



**ELIGIBILITY CRITERIA FOR BACHELOR DEGREE PROGRAMMES**

S.No.	DISCIPLINE	H.S.C. PERCENTAGE	PRE MEDICAL	PRE ENGINEERING	GENERAL SCIENCE	COMMERCE	ARTS	HUMANITIES	DIPLOMA IN ASSOCIATE ENGINEERING
<b>FACULTY OF ISLAMIC STUDIES</b>									
1	COMPARATIVE RELIGION (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
2	ISLAMIC STUDIES (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
3	MUSLIM HISTORY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
<b>FACULTY OF LAW</b>									
1	LLB (LAW)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE
<b>FACULTY OF NATURAL SCIENCES</b>									
1	ANTHROPOLOGY & ARCHEOLOGY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
2	BIOCHEMISTRY (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
3	BIOTECHNOLOGY (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
4	BOTANY (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
5	CHEMISTRY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
6	COASTAL AND MARINE SCIENCE (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
7	COMPUTER SCIENCE (BS)	50%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
8	ENVIRONMENTAL SCIENCE (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
9	FORESTRY (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
10	FRESHWATER BIOLOGY & FISHERIES (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
11	GENETICS (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
12	GEOGRAPHY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
13	GEOLOGY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	ELIGIBLE
14	MATHEMATICS (BS)	45%	NOT ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
15	MEDICAL LABORATORY TECHNOLOGY (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
16	MICROBIOLOGY (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
17	NUTRITION & FOOD SCIENCE (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
18	PHYSICAL EDUCATION HEALTH & SPORTS SCIENCE (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
NOTE: UNIVERSITY OF SINDH RESERVES THE RIGHT TO RECTIFY ERRORS AND OMISSIONS DETECTED AT ANY STAGE.									

**ELIGIBILITY CRITERIA FOR BACHELOR DEGREE PROGRAMMES**

S.No.	DISCIPLINE	H.S.C. PERCENTAGE	PRE MEDICAL	PRE ENGINEERING	GENERAL SCIENCE	COMMERCE	ARTS	HUMANITIES	DIPLOMA IN ASSOCIATE ENGINEERING
<b>FACULTY OF NATURAL SCIENCES</b>									
19	PHYSICS (BS)	45%	NOT ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
20	PHYSIOLOGY (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
21	POULTRY FARMING AND MANAGEMENT (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
22	PUBLIC HEALTH (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
23	STATISTICS (BS)	45%	NOT ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
24	ZOOLOGY (BS)	45%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
<b>FACULTY OF PHARMACY</b>									
1	PHARMACY	60%	ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE	NOT ELIGIBLE
<b>FACULTY OF SOCIAL SCIENCES</b>									
1	CRIMINOLOGY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
2	DEVELOPMENT COMMUNICATION (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
3	DISASTER MANAGEMENT (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
4	ECONOMICS (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
5	ECONOMICS AND FINANCE (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
6	GENDER STUDIES (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
7	GENERAL HISTORY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
8	INTERNATIONAL RELATIONS (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
9	LIBRARY & INFORMATION SCIENCES (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
10	MEDIA & COMMUNICATION STUDIES (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
11	PAKISTAN STUDIES (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
12	POLITICAL SCIENCE (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
13	PSYCHOLOGY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	NOT ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
14	PUBLIC ADMINISTRATION (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
15	RURAL DEVELOPMENT (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
16	SOCIAL WORK (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
17	SOCIOLOGY (BS)	45%	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE	ELIGIBLE
NOTE: UNIVERSITY OF SINDH RESERVES THE RIGHT TO RECTIFY ERRORS AND OMISSIONS DETECTED AT ANY STAGE.									

**ELIGIBILITY CRITERIA FOR MASTER DEGREE PROGRAMMES** □

S.No.	Subjects	Duration	Percentage	Pre-requisite
<b>FACULTY OF ARTS</b>				
1	MA (Arabic)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) or Shahadat ul Aaliya
2	MA (Art Education) (Evening)	2 Years (4 Semesters)	45%	BA (Pass) Fine Arts and Aptitude Test
3	MA (English Applied Linguistics)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
4	MA (English Language & Literature)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
5	MA (Fine Arts)	2 Years (4 Semesters)	45%	BA (Pass) Fine Arts and Aptitude Test
6	MA (Persian)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) or Shahadat ul Aaliya
7	MA (Philosophy)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
8	MA (Sindhi)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
9	MA (Urdu)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
<b>FACULTY OF COMMERCE &amp; ADMINISTRATION</b>				
1	MBA (Evening)	2 Years (6 Semesters)	50%	BS / BE / MBBS / M.A / M.Sc. / M.Com or other equivalent qualification
2	MBA (Hons.)	2 Years (4 Semesters)	60%	BBA (Hons) degree
3	Master of Commerce (M.Com)	2 Years (4 Semesters)	45%	B.Com.(Pass) degree
<b>FACULTY OF EDUCATION</b>				
1	B.Ed. (Secondary)	1.5 Years (3 Semesters)	45%	M.A / M. Com / M.Sc / BS degree
2	B.Ed. (Secondary)	2.5 Years (5 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
3	PGD in Early Childhood Education (ECE)	1 Year (2 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com (Pass) / BS degree
<b>FACULTY OF ENGINEERING AND TECHNOLOGY</b>				
1	PGD in Information Technology (EVENING)	1 Year (2 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
<b>NOTE: UNIVERSITY OF SINDH RESERVES THE RIGHT TO RECTIFY ERRORS AND OMISSIONS DETECTED AT ANY STAGE.</b>				

**ELIGIBILITY CRITERIA FOR MASTER DEGREE PROGRAMMES □**

S.No.	Subjects	Duration	Percentage	Pre-requisite
<b>FACULTY OF ISLAMIC STUDIES</b>				
1	MA (Comparative Religion)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
2	MA (Islamic Studies)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
3	MA (Muslim History)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
<b>FACULTY OF LAW</b>				
1	LLM (Evening)	2 Years (4 Semesters)	45%	LLB Degree and Pre Entry Test
<b>FACULTY OF NATURAL SCIENCES</b>				
1	M.Sc. (Actuarial sciences)	2 Years (4 Semesters)	50%	B.Sc. (Pass) with Pure Mathematics/ Statistics as one of the elective subjects
2	M.Sc. (Biochemistry)	2 Years (4 Semesters)	50%	B.Sc (Pass) with Chemistry and any biology subject
3	M.Sc. (Biotechnology)	2 Years (4 Semesters)	45%	B.Sc (Pass) with Chemistry and any biology subject
4	M.Sc. (Botany)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with Botany as one of the elective subjects
5	M.Sc. (Chemistry)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with Chemistry as one of the elective subjects
6	M.Sc. (Computer Science)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with Mathematics (Pure) as one of the elective subjects OR One-year PGD in Computer science with BA chelor degree OR BE (excluding Software/Computer Systems/IT).
7	MCS (Master of Computer science)	2 Years (4 Semesters)	45%	BCS (Pass) / BCIT (Pass) 3-Year degree
8	M.Sc. (Environmental Sciences)	2 Years (4 Semesters)	45%	B.Sc.(Pass) degree
9	M.Sc. (Fresh Water Biology & Fisheries)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with any biological subject as one of the elective subjects
10	M.Sc. (Geography)	2 Years (4 Semesters)	45%	B.Sc.(Pass) degree
11	M.Sc. (Mathematics)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with Pure Mathematics as one of the elective subjects
12	M.Sc. (Physics)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with Physics and Mathematics (Pure) as optional subjects
13	M.Sc. (Physiology)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with any biological subject as one of the elective subjects
<b>NOTE: UNIVERSITY OF SINDH RESERVES THE RIGHT TO RECTIFY ERRORS AND OMISSIONS DETECTED AT ANY STAGE.</b>				



**ELIGIBILITY CRITERIA FOR MASTER DEGREE PROGRAMMES** □

S.No.	Subjects	Duration	Percentage	Pre-requisite
<b>FACULTY OF NATURAL SCIENCES</b>				
14	M.Sc. (Statistics)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with Pure Mathematics/ Statistics as one of the elective subjects
15	M.Sc. (Zoology)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with Zoology as one of the elective subjects
16	BPEHSS (Evening)	1 Year (2 Semesters)	45%	BA (Pass) / B.Sc.(Pass)/ B.Com (Pass) / BS degree and Aptitude Test
17	MPEHSS (Evening)	1 Year (2 Semesters)	45%	BPEHSS degree and Aptitude Test
18	PGD in Computer Science (EVENING)	1 Year (2 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
<b>FACULTY OF SOCIAL SCIENCES</b>				
1	MA (Economics)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
2	MA (International Relations)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
3	MA (Media and Communication Studies)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
4	MA (Pakistan Studies)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
5	MA (Political Science)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
6	MA (Psychology)	2 Years (4 Semesters)	45%	BA (Pass) with Psychology as an elective subject
7	MA (Social Work)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
8	MA (Sociology)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
9	MA (Women Development Studies)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
10	MA (History)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
11	MPA (Master in Public Administration)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
12	MPP (Master in Public Policy)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
13	M.Sc. (Criminology) Evening	2 Years (4 Semesters)	45%	Bachelor Degree in any discipline
14	M.Sc. (Development Studies)	2 Years (4 Semesters)	45%	BA (Pass) / B.Sc.(Pass) / B.Com.(Pass)
15	M.Sc. (Home Economics)	2 Years (4 Semesters)	45%	B.Sc. (Pass) Home Economics
16	M.Sc. (Psychology)	2 Years (4 Semesters)	45%	B.Sc. (Pass) with Psychology as an elective subject / M.B.B.S. degree
<b>NOTE: UNIVERSITY OF SINDH RESERVES THE RIGHT TO RECTIFY ERRORS AND OMISSIONS DETECTED AT ANY STAGE.</b>				

## DIRECTORATE OF ADMISSIONS

### Introduction:

The directorate of admissions was established in the year 1996 to assist the aspirant students seeking admissions to various Bachelor and Master Degree Programmes at the University of Sindh. We, the officers and the supporting staff, at the directorate of admissions are committed to uphold merit and visible transparency in the admission process. In this connection, the admissions are being made through the Pre-Entry Test. To ensure the transparency, the result of the pre-entry test and admission selection lists are displayed publically on notice board and on the official website of the University of Sindh. We, the officers and staff, at directorate of admissions are very clear with our mission to work with full devotion and to provide complete support and guidance to the students throughout their admission process.

The Directorate of Admissions, University of Sindh has introduced following new systems since 2015:

### Admission Management System (AMS):

AMS was designed in the year 2015 for admission of prospective students with new feature that is the selection of multiple degree programmes (called choices) under single admission form. Further it is a Network based Enterprise System that manages various statistical data reports, financial reports, selection lists, final admission lists and printing of Smart Student Identity Cards.

### Online Admission Form Addition to AMS

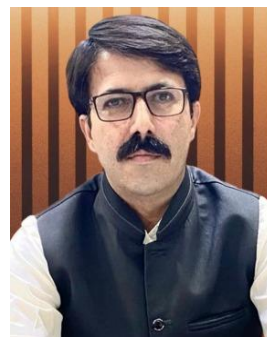
Online Admission Form was designed and implemented from the year 2016 for the admission to Bachelor and Master Degree programmes. Using this feature, the prospective students can submit their personal information, educational information, applied choices and the choice of campus from home etc. through the official website <https://usindh.edu.pk>.

### Challan Management System (CMS) Addition to AMS:

From year 2016 and onwards, computer generated admission challans were issued to the students of next higher classes and the fresh students selected in various Bachelor or Master Degree Programmes of Morning and Evening sessions. Since 2016, all computer generated admission fee challans contain a unique QR code which makes the process of compiling the paid fees challans and saving data in database through QR code reader/scanner easier.

In addition to that from the academic year 2019 and onwards, the feature of submitting online admission forms along with uploading the scanned copies of the required documents, facility of downloading e-copy of the pre-entry test admit cards have also been incorporated in AMS.

From 2022 in order to facilitate the students of passing out batches, we are determined to issue the computerized clearance Certificate (No Dues Certificate on account of admission fees) and e-copy of fees payment statement for the verification purpose etc.



**Prof. Dr. Ayaz Keerio**  
Director Admissions

## STAFF MEMBERS OF DIRECTORATE OF ADMISSIONS

NAME	DESIGNATION	NAME	DESIGNATION
Mr. Iftikhar Ahmed Narejo	Deputy Director Admissions	Mr. Ghulam Murtaza Halepoto	Junior Clerk-cum-Typist
Mr. Vikesh Kumar Rajani	Computer Programmer	Miss Shaista Baloch	Junior Clerk-cum-Typist
Mr. Atta Muhammad Bhutto	Assistant Director Admissions	Miss Huma Nawaz Khaskheli	Junior Clerk-cum-Typist
Mr. Aftab Yousif Pardesi	Assistant Director Admissions	Mr. Imran Hussain Rajar	Junior Clerk-cum-Typist
Mr. Ghulam Mujtaba Jalbani	Assistant Director Admissions	Mr. Syed Zaheer Abbas Shah	Junior Clerk-cum-Typist
Mr. Ameer Bux Channa	Superintendent	Mr. Akram Zounr	Receptionist
Mr. Aijaz Ahmed Qureshi	Superintendent	<b>SUPPORTING STAFF</b>	
Mr. Syed Irshad Ali Shah	Senior Data Processing Officer	Mr. Mehar Ali Gopang	Driver
Mr. Ishtiaque Hussain Arbab	Assistant	Mr. Gul Muhammad Soomro	Peon
Mr. Nazar Muhammad Channa	Assistant	Mr. Manzoor Ali Narejo	Peon
Mr. Nooruddin Shaikh	Assistant	Mr. Atif Memon	Peon
Mr. Manzoor Ali Saharan	Senior Clerk-cum-Typist	Mr. Muhammad Saleem Narejo	Security Guard

## SINDH UNIVERSITY TESTING CENTRE (SUTC)

### Introduction:

The testing centre for admissions and employment of the University of Sindh was established in the year 2001 under the umbrella of Institute of Mathematics and Computer Science. In 2009, it was renamed as Sindh University Testing Centre (SUTC). SUTC has the credit to be the first public sector university testing centre. The main task of SUTC is to conduct pre-entry tests for admissions to various degree programmes of the University of Sindh as well as for employment for various cadres in the University of Sindh. In order to run the affairs of the SUTC in a consistent, transparent and reliable manner and to ensure the merit, integrity, credibility, and reliability, SUTC has its own policy and standard operating procedures (SOPs). The policy has been approved by the syndicate.

An Executive Committee of the SUTC consisting of Pro-Vice Chancellors of various campuses, members of the syndicate, deans of various faculties and senior professors, chaired by Vice Chancellor, supervises pre-admission test.

All these tests are conducted using Optical Mark Reader (OMR) answer sheets and assessment is done using latest Japanese OMR Machines that can scan 11000 OMR sheets per hour.

In order to maintain accuracy and transparency, the assessment process of the OMR answer sheets starts soon after the completion of the test hours and announce the test results on the same day. The highly qualified, experienced and trained staff is engaged in the entire testing processes.

SUTC has capability to conduct the test of around 200,000 (0.2 million) candidates simultaneously in all districts of Sindh.

- SUTC conducts MCQ Types tests for:
  - Recruitment of Lecturers, Teaching Assistants and Administrative Staff
  - University-Based GAT/GRE (Subject) for PhD programs
  - Pre-Entry Test for admissions of MS/MPhil/LLM programs
  - Pre-Entry Test for admissions of Bachelor and Master Degree programs

Link: <https://sutc.usindh.edu.pk>

Email: [dir.sutc@usindh.edu.pk](mailto:dir.sutc@usindh.edu.pk) , [info.sutc@usindh.edu.pk](mailto:info.sutc@usindh.edu.pk)

Telephone: +92 (022) 9213252

Sindh University Testing Centre @ Institute of Mathematics & Computer Science, University of Sindh, Jamshoro.



**Dr. Aftab Ahmed Chandio**  
Director, SUTC



# **GENERAL ACADEMIC AFFAIRS**

## **ADMISSION PROCEDURE & REGULATIONS**

## ADMISSION SCHEDULE

Admission of students to programmes offered under various Faculties of the University of Sindh is governed by the Regulations framed for this purpose (under Statute 29, Sub Sec.I, clause 'c' and 'd' of the University Act) specifying the pre-requisite qualifications etc., allocation of seats in each discipline on general merit as well as district-wise quota, reserved seats for the sons / daughters of the university employees and employees of the various degree colleges affiliated to the University of Sindh, and for students from specially designated areas of the country. Seats available for fresh admission in various teaching departments/institutes/centres of the faculties are listed as faculty-wise:

### ADMISSION SCHEDULE OF BACHELOR AND MASTER DEGREE PROGRAMMES – 2023

PROGRAMME	Master Degree Programmes	Bachelor Degree Programmes
Start of Admission Registration through Online Admission Web Portal	Monday 19.09.2022	
Last date of submission of Forms	Friday 28.10.2022	
Pre-Entry Test for Bachelor Degree Programme	Sunday 30.10.2022 Sunday 06.11.2022	
Announcement of First Provisional Merit / Selection List	Wednesday 16.11.2022	
Dates for filling of objection(s) (if any)	16.11.2022 To 18.11.2022	
Announcement of First Provisional Merit / Selection List (after addressing objections)	20.11.2022	
Payment of Fees (Admission fees challans will be available on web portal) (Submission of documents Marks / Pass Certificates of Matriculation/ Intermediate and Domicile / PRC etc)	21.11.2022 To 30.11.2022	
Announcement of Second Provisional Merit/ Selection List	03.12.2022	
Date for Submitting of objection(s) (if any)	03.12.2022	
Announcement of Second Provisional Merit/ Selection List (after addressing objections)	04.12.2022	
Payment of Fees (Admission fees challans will be available on web portal)	05.12.2022 To 09.12.2022	
Announcement of Third Provisional Merit / Selection List – First Special List (Leftover Seats)	12.12.2022	
Payment of Fees (Admission fees challans will be available on web portal)	12.12.2022 To 16.12.2022	
Announcement of Fourth List (Second Special List – Leftover Seats)	19.12.2022	
Payment of Fees (Admission fees challans will be available on web portal)	19.12.2022 To 23.12.2022	
Announcement of Fifth List (Third Special List – Leftover Seats)	26.12.2022	
Payment of Fees (Admission fees challans will be available on web portal)	26.12.2022 to 30.12.2022	
Commencement of Classes	First Monday of January 2023	

### ADMISSIONS 2023 CLOSE

**NOTE:** i. Applicants applying for admission to BE Electronic Engineering and BE Telecommunication Engineering / Centre for Physical Education, Health and Sports Sciences / Institute of Art and Design Programmes and against sports seats will have to qualify field trial/ aptitude test before final selection. They are required to contact the Directors concerned.

## INSTRUCTIONS/ADMISSION RULES

Please note that no written communications will be made regarding selection. The list will be displayed on the official admission web portal of the University of Sindh (<https://admission.usindh.edu.pk/>) and notice board @ Syed Ghulam Mustafa Shah Administration Building (AC-II Building), University of Sindh as per schedule. Announcement will also be made in Newspapers. It can also be checked on the university website: [www.usindh.edu.pk](http://www.usindh.edu.pk) Please also note that if **admission and other fees are not paid within the time mentioned, the seat shall be allotted to the candidate next on the merit list.**

Candidates are required to register them online by filling in the Registration Admission form and get challan online by paying admission application processing fee @ **Rs. 2500/- Per set (non refundable)** through bank challan in any HBL bank branch (es).

On Page 10 to 11 there is a list of options of disciplines in which admission is offered under various faculties **on merit/ self-finance (morning/evening programmes)**. Please select **Thirty** or less choices of disciplines you wish to study as mentioned on page 10 to 11 **in order of preference.**

**EXAMPLE: - for Bachelor Degree Programmes**

- |  |                                      |
|--|--------------------------------------|
| 01. BE (Electronic Engineering)        | 02. BBA (Hons.)                      |
| 03. BS (Computer Science)              | 04. BS (English Applied Linguistics) |
| 05. BS (Chemistry)                     | 06. BS (Economics)                   |
| 07. BS (International Relations)       | 08. BS (Political Science)           |
| 09. BS (General History)               | 10. BS (Geology)                     |
| 11. BS (Economics)                     | 12. BS (Pakistan Studies)            |
| 13. BS (Islamic Studies)               | 14. BS (Muslim History)              |
| 15. BS (Commerce)                      | 16. BS (Banking and Finance)         |
| 17. BE (Telecommunication Engineering) | 18. BS (Genetics)                    |
| 19.20.21.....                          | 30. BS (Data Science)                |

**EXAMPLE: - For Master Degree Programmes**

- |  |                                    |
|--|------------------------------------|
| 01. M.Sc. (Prev.) Computer Science     | 02. MBA (First Year)               |
| 03. MPA (Previous)                     | 04. MA (Prev.) Applied Linguistics |
| 05. MA (Prev.) International Relations | 06. MA (Prev.) Arabic              |
| 07. MA (Prev.) Political Science       | 08. MA (Prev.) Sindhi              |
| 09. MA (Prev.) Economics               | 10. MA (Prev.) Urdu                |
| 11. MA (Prev.) General history         | 12. M.Sc. (Prev.) Muslim History   |
| 13. M.Sc. (Prev.) Statistics           | 14. M.Sc. (Prev.) Geography        |
| 15. M.Sc. (Prev.) Mathematics          | 16. MA (Prev.) Persian             |
| 17. MA (Prev.) Philosophy              | 18. MA (Prev.) Islamic Studies     |
| 19.20.21.....                          | 30. MA (Prev.) Fine Art            |

Subject to fulfillment of discipline requirements, merit and availability of seats, candidates will be accepted for any one of the programmes of their choice. Choice of subject for which applicant is not eligible will automatically stand cancelled.

### MOST IMPORTANT

**Candidates selected in any course of study, other than their first choice in either quota-oriented or general disciplines in FIRST MERIT LIST must deposit fees in time, if they want to be considered against WAITING LIST and if they are keen to seek admission in discipline higher up in their preference order. Non- deposition of fees will deprive you of your candidature for it.**

**Candidates desiring to retain the discipline/subject where they have been selected, they may do so by submitting acceptance in OWN handwritten application along with paid challan Rs. 200/- (two hundred) within the due date of that selection list positively.**

Applicants for Admission at Sindh University Campuses at Badin, Mirpurkhas, Dadu, Larkana Thatta and Naushahroferoze should check the disciplines offered at these campuses before submitting the online admission Form.

Completed web based printed admission form with required documents and receipt of Rs. 2500/- fees of online Admission application processing fee must be submitted.

Candidates seeking admission @ Sindh University Campuses, Badin, Mirpurkhas, Dadu, Larkana Thatta and Naushahroferoze will also have to submit the online admission form.

*Candidates applying against seats provided for admission **on Self Finance basis** need NOT to deposit any fee in advance. There is NO separate form for admission for the admission sought through Self-Finance scheme. They simply need to tick (✓) the self-finance option (□) given in online admission form.*

**Please make sure that you select the appropriate boxes on the online admission form.**

#### Documents to be submitted:

- Pass and Marks Certificates of S.S.C. (Matriculation) examination, (attested photocopies).
- Pass and Marks Certificates of H.S.C. (Intermediate) Examination (Original and two Photocopies).
- Pass, Marks Certificates and Transcript of Graduation Examination (Original and two Photocopies).
- Computerized National Identity Card (CNIC) or copy of "B" form of Registration, if under 18 years of age (attested photocopies).

- v) Two passport size recent photographs duly attested with CNIC number written on back side.
- vi) Domicile certificate of applicant (or of father/ mother if the applicant is under 18 years of age and his/ her name is included in it)
- vii) Permanent Residence Certificate (PRC) (attested photocopy and Original to be shown at the time of payment in case of admission to quota-oriented courses of study)
- viii) Original Receipt of Rs.2500/- (Online Admission Form processing fee).
- ix) All the A-level and O-level results should be submitted for equivalence calculation to the Inter Board Committee of Chairman, Islamabad (IBCC).

**Note:** Original Pass, Marks and Transcript Certificates shall not be returned in any case.

*The candidates who apply for admission on the basis of forged/fake documents (detected at any stage even after admission finalized) shall be prosecuted under criminal law besides cancellation of admission.*

### GENERAL REGULATIONS GOVERNING ADMISSION

- a) All admissions shall be provisional until approved by the Vice Chancellor.
- b) The Vice Chancellor may refuse admission to the university classes to any candidate without mentioning any reason.
- c) Any candidate who desires to seek admission to any course of study in the university must be a Pakistani National. Foreign nationals may be considered for admission when nominated/ recommended by the Ministry of Education/ Ministry of Finance and Economic Affairs Division, Government of Pakistan, Islamabad and HEC.
- d) The marks certificates of previous examination of all the candidates/ students shall be verified from the concerned boards/universities. The documents verification fees shall be charged from the students at the time of admission.
- e) Candidate who has passed an examination from a university or a board other than the University of Sindh or the Board of Intermediate and Secondary Education, Hyderabad and Mirpurkhas shall have to obtain the certificate of eligibility from the University of Sindh prior to his/ her admission to any discipline. However, the Registrar may issue a provisional admission certificate if he is satisfied that the applicant is *prima facie* eligible for admission to this university, AT HIS/HER OWN RISK AND COST and on the condition that he/ she obtains a final certificate of eligibility within 30 days from date of admission.
- f) No student shall at one time join or continue enrolled in the two teaching institutes/ departments/ centres/ affiliated colleges of the university or any other university or affiliated college for two courses of study in the same or different faculties. However, a Post-graduate student enrolled in the university teaching institute/ department/ centre may join or continue a post-graduate diploma course of the university and/ or the LLB

course in a college affiliated to the university subject to eligibility. A student of Bachelor (Pass/ Hons.) course may join an undergraduate Diploma/ Certificate course of the university. Violation of the rule may lead to cancelation of admissions in all courses of study in which he/she is found enrolled.

- g) Candidates admitted to any of the university discipline as a regular student shall **NOT** be eligible to appear at any of the university Examination as an **EXTERNAL CANDIDATE** simultaneously during his/her university studentship.
- h) No student shall be re-admitted without the recommendation of the dean of the faculty concerned and prior permission of the Vice Chancellor in case of his/her admission is cancelled due to any reason.

### PRE-ENTRY TEST / LAW ADMISSION TEST (LAT)

Pre-Entry Test is mandatory for admissions to all Bachelor Degree Programmes excluding LLB (05 Years Degree Programmes) under all categories and LLM (Evening) of the University. All candidates seeking admission to any 05 Years/ 04 Years Bachelor (excluding LLB 05 Years Degree Programme) and LLM Degree Programme **whether as a regular student or under Self Finance scheme or on sports seats** or under employees' quota or any other quota except foreign candidates shall have to appear in the Pre-Entry test as per schedule. The test will be based on MCQs/Multiple Choice Questions.

Applicants desirous to get admission in LLB (05 Years Degree Programme), Law Admission Test (LAT) conducted by Higher Education Commission (HEC) is mandatory.

For candidates seeking admission to Bachelor Programmes, the test shall be conducted from amongst following subjects studied at H.S.C level:

**Commerce, English, Chemistry, Biology, Mathematics, Physics, Islamic Studies, Pakistan Studies and General Knowledge (Sample test Paper available at University of Sindh Official Website).**

For candidates seeking admission to LLM Master Degree Programme, the Test paper shall have questions covering three components, viz. **English (25%), General Knowledge (15%) and relevant discipline field of Law (60%).**

For applicants of Sindh University Campuses Badin, Mirpurkhas, Dadu, Larkana, Thatta and Naushahroferoze, the Test will be conducted at the respective Campuses.

- a. The merit for admissions shall be determined on the basis of Pre-Entry Test score as well as on previous academic record. However, candidates who shall not qualify the **Pre-Entry-Test** will not be considered for admission in any discipline.

The prospective students must secure **30** marks out of 100 marks (**30%**) for qualifying the Pre-entry test for admission in any discipline (**excluding BE Electronic Engineering, BE Telecommunication Engineering, LLB & LLM**).

For **LLB** prospective students must secure **50** marks out of 100 marks (**50%**) from Law Admission Test (LAT) by HEC Pakistan.

For **LLM** prospective students must secure **40** marks out of 100 marks (**40%**) for qualifying the Pre-entry test for admission.

For **BE Electronic Engineering & BE Telecommunication Engineering** prospective students must secure 33 marks out of 100 marks (**33%**) as per PEC policy frame work.

The weightage assigned to the Pre-entry test and previous academic record will be as under:

	For Admission to	Bachelor	Master	LLM Degree Programme
i.	S.S.C.	10%	20%	05%
ii.	H.S.C. (adjusted marks)	30%	30%	05%
iii.	Bachelor Degree (adjusted marks)	---	50%	30%
iv.	Pre-Entry Test/Aptitude test	60%	---	60%

b. In case of improvers/ repeaters, marks shall be deducted as per rules from the total marks of the candidates in order to prepare the adjusted merit list. This deduction shall not alter the actual division/ grade of the candidates.

- 05 marks to be deducted if the candidate has appeared second time in H.S.C. Examination in order to improve his/ her Division/ Grade.
- In case, H.S.C. Examination has not been cleared within the minimum period required for passing the same after passing Matriculation Examination, every additional year or part of a year beyond this period shall be treated as candidate's attempt for the purpose of deducting marks irrespective of his/ her having not appeared in the examination in each year.
- 05 marks shall be deducted from the total marks for the loss of each extra year or part thereof.  
However, a maximum of 25 marks may be deducted.
- Same rules shall apply if a candidate fails to clear Bachelor Degree Examination within the minimum period required for passing such examination after Matriculation Examination.
- 05 marks per year shall be deducted from the total marks if the candidate had not passed the pre-requisite examination in the preceding year.

## ELIGIBILITY and OTHER RULES

- A candidate who has passed H.S.C. Examination is eligible for admission to 05 years / 04 years Bachelor Degree Programme. No admission shall be allowed to a candidate who has passed the pre-requisite examination in **Third Division** from any board or university.
- A student of BS (First Year) class shall be allowed transfer from the university to a campus within three months from the last date of admission, but no transfer from campus to the main campus of the university is allowed.
- The applicant would be considered for add/drop within one-week period after announcement of classes. No change of discipline shall be allowed afterwards.
- The admissions to various Bachelor professional/ quota-oriented courses of study shall be made in accordance with the Regulations prescribed for the purpose.
- The fairness, transparency and correctness in admissions will be monitored and enforced by a committee of senior Professors of the university appointed by the Vice Chancellor with the Director Admissions as its Secretary. The Pre-Entry Test will also be conducted under the supervision of this Committee.
- Candidates who are interested in seeking admission in the **Institute of Art and Design** shall also have to take up **Aptitude Test** to be conducted by the Institute, as per schedule to be announced by the Director, Institute of Art and Design. Aptitude Test is also mandatory for admission to the **BS (PEHSS) First Year, BPEHSS and MPEHSS** courses of study. Candidates who are interested in seeking admission to the **BE Electronic Engineering and BE Telecommunication Engineering** shall also have to take up **Aptitude Test** to be conducted by the Institute, as per schedule to be announced by the Dean Faculty of Engineering and Technology.
- A candidate who has already completed his/her course of study in a university teaching institute/ department/ centre leading to Bachelor (BS) / Bachelor (Pass) degree shall NOT be eligible for admission to another or second Bachelor course (except B.Ed./ BHPHSS, and Post Graduate Diplomas) in the university teaching institute/ department/ centre.
- A candidate who has already passed Bachelor (BS) / Bachelor (Pass) degree course examination from the University of Sindh or any other University shall NOT be eligible for admission to another Bachelor (BS) / Bachelor (Pass) course except B.Ed., BHPHSS, and Post Graduate Diploma courses programmes.



- i) **Admission on migration basis** from other universities to this university shall be considered on the following grounds:
- The student has cleared all the subjects/papers of the last examination from the parent University.
  - Parents of the student who are government officials are posted within the territorial jurisdiction of the University of Sindh.
  - Admission on migration basis in any discipline will only be permissible under **Self Finance Scheme**.

#### REGULATIONS FOR ADMISSION TO BACHELOR DEGREE PROGRAMMES

- A candidate who has passed the H.S.C. (Intermediate) Examination or an equivalent examination recognised by the university is eligible to seek admission to relevant Bachelor course provided that he/she fulfills the requirements of minimum percentage of marks and other conditions of admission as may be prescribed from time to time in each subject. The admission shall be purely on merit basis and subject to the availability of seats in the concerned subject/course of study and clearance of the Pre-Admission Test.  
Candidates with Diploma in Associate Engineering will only be considered for admission to the disciplines under the Faculties of Arts, Islamic Studies and Social Sciences.
- Allocation of seats available for fresh admission for various Bachelor degree Programmes of general category is shown under each faculty.
- In general disciplines where seats are vacant and there is no candidate having the domicile and P.R.C. from the areas within the jurisdiction of the University of Sindh, then the same vacant seats shall be given to the candidates having the domicile and P.R.C. of Sindh Province outside the jurisdiction of Sindh University on **self-finance basis**, if the number exceeds over and above the reserved seats provided (**Page 27**).
- Every student must inform in writing his/her choice of the two minor/ supporting subjects to the Director/ Chairperson of the institute/ department in which admitted (Major subject) within one week from the commencement of teaching. The director/ chairperson will communicate the Minor subjects offered to the Controller of Examinations. No change of minor subjects will be allowed thereafter.

#### ADMISSION TO MASTER (PREVIOUS) DEGREE PROGRAMMES

- A candidate who has passed the Bachelor's degree examination from this university or from any other university recognised by it is eligible to seek admission to the MA /MSc/ M.Com./ MBA/ MPA (Previous) class provided that he/she fulfills the requirements of minimum percentage of marks and other conditions of admission as may be prescribed for each course of study from time to time. **Preference will be given to those candidates who have passed the examination in the same course of study at the bachelor's level.** The admissions shall be purely on merit, determined on the basis of previous academic performance score and subject to the availability of seats in the concerned course of study.
- A candidate who has passed BSc/ B. Com. (Pass) Examination is also eligible for admission to the MA (Previous) class if otherwise eligible.
- Admission to MA Fine Art is open only to candidates who have passed BA Fine Arts (2-year degree).
- A candidate who has passed the BA (Pass) Examination in English only after having passed the Oriental Languages Examination is eligible for admission to the MA (Previous) class only in English or in any of the subjects which he/ she was offered at the Oriental Languages Examination if otherwise eligible. However, the candidates who have passed the BA (Pass) Examination in English and other subjects after passing the Oriental Languages Examination will be treated at par with other BA (Pass) degree holders for seeking admission to various graduate (Masters) classes.
- A candidate who has already passed MA / MSc/ M.Com./ MBA/ MPA/ MLIS/ M.Ed./ MA Education/ M. Pharmacy/ LLM or any other Post-graduate examination from the University of Sindh or from any other University shall NOT be eligible for admission to a **second or subsequent Post-graduate degree course** in the university teaching institute/ department/ centre/ affiliated college.  
However, admission to MBA (Evening) and M.Sc. (Criminology) Programme as a Second Master or subsequent degree is permissible.

#### ADMISSION TO PROFESSIONAL AND QUOTA-ORIENTED COURSES OF STUDY

- Admission to the following courses of study shall be made on the basis of District-wise quota. (Resolved in 42<sup>nd</sup> meeting of the Academic Council)**

(i) BBA (Hons.)	(ii) BS Computer Science
(iii) BS Data Science	(iv) BS Information Technology
(v) BS Software Engineering	(vi) LLB (5-Year Programme)
(vii) Pharm-D (5 Years Programme)	(viii) BE (Electronic Engineering)
(ix) BE (Telecommunication Engineering)	
- (a) The District-wise allocation of seats for admission to the above courses of study at Jamshoro Campus, is shown in the following Table. (**Resolved in 42<sup>nd</sup> meeting of the Academic Council**)

**ALLOCATION OF SEATS (DISTRICT QUOTA ORIENTED BACHELOR DEGREE PROGRAMMES)**

S.No.	Name of District	BE (EE)	BE (TE)	PHARM-D	BS (DS)	BS (IT)	BS (SWE)	BS (CS)	LLB (HONS)	BBA (HONS)
1	Hyderabad	3	3	4	4	10	10	10	8	24
2	Tando Allahyar	2	2	2	2	4	4	4	4	10
3	Tando Muhammad Khan	2	2	3	3	6	6	6	6	12
4	Matari	2	2	3	3	6	6	6	6	12
5	Badin	2	2	2	2	4	4	4	4	8
6	Thatta	2	2	2	2	4	4	4	4	8
7	Sujawal	1	1	1	1	2	2	2	2	4
8	Tharparkar	1	1	3	3	6	6	6	6	12
9	Mirpurkhas	2	2	5	5	6	6	6	10	16
10	Umerkot	1	1	2	2	4	4	4	4	8
11	Sanghar	1	1	2	2	4	4	4	4	10
12	Dadu	2	2	5	5	6	6	6	10	16
13	Jamshoro	2	2	4	4	6	6	6	8	16
14	Shaheed Benazirabad/Nawabshah	2	2	3	3	3	3	3	6	8
15	Sukkur	1	1	4	4	4	4	4	8	8
16	Ghotki	1	1	2	2	2	2	2	4	4
17	Shikarpur	1	1	2	2	2	2	2	4	4
18	Jacobabad	1	1	2	2	2	2	2	4	4
19	Larkana	1	1	2	2	2	2	2	4	4
20	Kambar / Shahdadkot	1	1	2	2	2	2	2	4	4
21	Kashmore / Kandhkot	1	1	2	2	2	2	2	4	4
22	Khairpur	1	1	2	2	2	2	2	4	4
23	Karachi Division	1	1	1	1	1	1	1	2	2
24	Naushahroferoz	1	1	2	2	2	2	2	4	4
	<b>TOTAL</b>	<b>35</b>	<b>35</b>	<b>62</b>	<b>62</b>	<b>92</b>	<b>92</b>	<b>92</b>	<b>124</b>	<b>206</b>

For distribution of District Quota seats at Badin, Mirpurkhas, Dadu, Larkana, Thatta and Naushahroferoze Campuses see Page No. 239, 241, 243, 245, 247 & 250 respectively

**NOTE:**

- i. Candidates from all districts of Sindh Province in excess of the number of seats shown in the table may be accommodated under Self Finance Scheme in Quota- Oriented disciplines on the merit basis.
- ii. Selection for the districts shall be made on merit amongst the eligible applicants of the same district only.
- iii. In addition to this *quota* allocation, the seats as specified under “**RESERVED SEATS**” are also reserved for various categories of the candidates provided such candidates possess the minimum prescribed qualification.
- iv. Ten seats, five for male students and five for female students, are reserved for admission to BBA (Hons.) for the applicants who have passed H.S.C. in Commerce Group.

**Filling-in of the left-over seats of quota- oriented courses of study**

- (i) There shall be **no reallocation of the vacant seats from one district to another.**
- (ii) The left-over seat(s) from the categories of reserved seats shall be filled-in by selecting the immediate next candidate(s) from the waiting list.
- (iii) The left over seat(s) because of non-payment of fees, if any, within prescribed time limit, the seat(s) shall be filled-in as per procedure prescribed therein and the selected candidate(s) whose seat(s) has/ have fallen vacant due to non-payment of fees, if any, for whatever reasons, shall **NOT** claim the admission and shall **NOT** challenge the admission of any other candidate, selected in his/ her place in the particular or any other quota- oriented course or general course of study mentioned by him/her in the Online Admission Form.
- (iv) The candidate(s) selected against left over seat(s) as in (iii) above, **shall deposit the fees, if any, within due time** from the date of announcement of the Selection list. In case, he/she too fails to make the payment of fee, if any, within time limit allowed to him/her, he/she shall lose his/her admission.
- (v) Candidates seeking admission to **Quota-oriented courses of studies** must submit their Domicile Certificate, or parent's domicile if under 18 years of age and Permanent Residence Certificate.

**ALLOCATION OF RESERVED SEATS**

**1. SEATS ALLOCATED FOR CANDIDATES FROM LARKANA, SUKKUR AND KARACHI DIVISIONS (OUT OF JURISDICTION) ON OPEN MERIT**

**Fifteen** seats are reserved in each general discipline/ subject of Bachelor and Master Degree Programmes for candidates from Larkana, Sukkur and Karachi divisions. The applicant will have to appear and qualify the Pre-Entry Test. (**Resolved in 42<sup>nd</sup> meeting of the Academic Council**).

**2. FEMALE QUOTA**

**Twelve** seats in each degree programme (excluding BE Electronic Engineering and BE Telecommunication Engineering) are reserved for female candidates, domiciled within the jurisdiction of Sindh Province. (**Resolved in 42<sup>nd</sup> meeting of the Academic Council**).

The applicant shall be, in the first instance, considered along with other candidates on general/ district-wise merit and thereafter Female Quota seats shall be filled in based on merit and first preference.

**3. SPORTS QUOTA**

2% seats are reserved for admission on sports quota in each discipline of the bachelor programme excluding BE (Electronic Engineering) and BE (Telecommunication Engineering) whereas one seat in each discipline is reserved for the master programme.

Applicants for admission against sports quota seats have to tick (✓) the relevant box (i) in the online admission form. They have to qualify the Pre-Entry Test + Sports Trial. Applicants will have to appear in sports trial for selection. Applicants qualifying the Pre-Entry Test and Sports Trial will be evaluated on the basis of their merit/ participation in competitions at various levels.

**4. SEATS FOR DISABLED PERSONS**

**One** seat in each course of study (excluding BS Electronic Engineering and BS Telecommunication Engineering) is reserved for Disabled persons, domiciled within the jurisdiction of Sindh Province.

The box of “**Disabled Persons’ Quota**” be marked (✓) in the online Admission Form. Attested Photostat copy of the Medical Certificate issued by the Medical Board constituted by the Government, must be attached with the Admission Form.

**5. SEATS FOR REAL SONS AND DAUGHTERS OF THE EMPLOYEES OF THE UNIVERSITY OF SINDH**

**Ten** seats are reserved in each course of study (excluding BE Electronic Engineering, BE Telecommunication Engineering and LLB 5-year) for the real sons and daughters of the employees of the University of Sindh including employees at the Pakistan Study Centre and

Area Study Centre Far East and South East Asia. If any seat of sons/ daughters remains unutilized then real brother/ sister can also be considered against them.

For the purpose of this facility, an employee means a regular employee with minimum of two years' service, retired, deceased or confirmed employee maintaining lien/ deputation/leave with the University. The employees who have resigned or were terminated or dismissed, shall not be considered.

The applicants under this category should mark (✓) **"S.U Employees Quota"** box in the online Admission Form.

**NOTE:** All applicants under this category must fulfill the **minimum requirement of Pre-entry test**, qualification and percentage of marks, to be selected from amongst themselves on merit.

The applicant should attach service certificate from the employer in respect of his/ her father/mother, showing the name, cast/surname of the employee as well as the period of service, issued by the Additional Registrar, University of Sindh.

#### 6. SEATS FOR REAL SONS AND DAUGHTERS OF THE EMPLOYEES OF GOVERNMENT DEGREE COLLEGES AFFILIATED TO UNIVERSITY OF SINDH

**Two** seats in each course of study (excluding BE Electronic Engineering, BE Telecommunication Engineering) are reserved on reciprocal basis for real Sons and Daughters of the regular Employees of the Government Degree Colleges and Government Law Colleges affiliated to University of Sindh.

The applicants under this category shall mark (✓) **"Affiliated Colleges Quota"** box in the Online Admission Form.

**NOTE:** Admission to any discipline under the category of "seats for the employees of the affiliated colleges to the University of Sindh" will be considered on production of the service certificate as per following proforma.

Certified that Mr./ Miss \_\_\_\_\_ S/O, D/O \_\_\_\_\_ presently working as \_\_\_\_\_ is a regular employee of this college. His/ Her date of entry in the College service is \_\_\_\_\_. His/her service in the College is more than 2 years.

The candidate Mr./ Miss \_\_\_\_\_ S/O, D/O \_\_\_\_\_ is his/her real son/ daughter.

Countersigned by

Signature of the Principal  
Official Stamp

Director of College Education/ Dean, Faculty of Law  
Official stamp

#### 7. SEATS RESERVED FOR REAL SONS AND DAUGHTERS OF THE EMPLOYEES OF NATIONAL CENTRE OF EXCELLENCE IN ANALICAL CHEMISTRY

**Two** seats are reserved only for the real sons and daughters of the employees of National Centre of Excellence in Analytical Chemistry of the University of Sindh on merit basis. Service Certificate of the employee issued by the Director of National Centre of Excellence in Analytical Chemistry on the following proforma shall have to be attached with the admission form.

The applicants under this category shall mark (✓) **"NCEAC Quota"** box in the Online Admission Form.

Certified that Mr./Miss \_\_\_\_\_ S/O, D/O \_\_\_\_\_ presently working as \_\_\_\_\_ is a regular employee of this Centre. His/ Her date of entry in the service is \_\_\_\_\_. His/her service in the Centre is more than 2 years.  
The candidate Mr./ Miss \_\_\_\_\_ S/O, D/O \_\_\_\_\_ is his/her real son/ daughter.

Signature

Director, National Centre of Excellence in Analytical Chemistry, University of Sindh  
Official Stamp

**NOTE:** Admission to any discipline under this category will be considered on production of the service certificate as per proforma.

#### 8. SEATS FOR NOMINEES OF PUNJAB, KHYBER PAKHTUNKHWA, BALOCHISTAN, GILGIT/BALTISTAN, FATA AND AZAD JAMMU AND KASHMIR

##### Nominees of Punjab Province

- **One** seat in any discipline under Bachelor Degree Programmes
- **One** seat in any discipline under Master Degree Programmes

##### Nominees of Balochistan Province

- **Two** seats in any discipline under Bachelor Degree Programmes
- **Two** seats in any discipline under Master Degree Programmes

##### Nominees of Khyber Pakhtunkhwa Province

- **One** seat in any discipline under Bachelor Degree Programmes
- **One** seat in any discipline under Master Degree Programmes

##### Nominees of Gilgit/Baltistan

- **One** seat each in MBA (4 Year Degree Programme), MBA (Evening), MBA (Hons.), M.Sc. (Criminology), M.Sc. (Computer Science), M.Sc. (Chemistry), M.Sc. (Physics), M.Sc. (Environmental Science), MA (English Language and Literature), B.Ed. (Secondary) 1.5 year and B.Ed. (Secondary) 2.5 year.

*(Applications for admission along with academic documents must be channeled through the Director of Education, Government of the concerned Province.)*

**(Reference: No.SO(U) U&B/Misc./Res.Seats/GB-AJK/2020/664 Dated: 29-10-2020)**

#### **Nominees of Azad Jammu and Kashmir Government**

- **One** seat in any discipline under Bachelor Degree Programmes (Morning)
- **One** seat in any discipline under Bachelor Degree Programmes (Evening)
- **Two** seats in any discipline under Master Degree Programmes (Morning)
- **Two** seats in any discipline under Master Degree Programmes (Evening)

(Applications for admission along with academic documents must be channeled through the Director of Education/ Chairman Nomination Board, Muzaffarabad, A.J.K.)

(Reference: No.SO(U) U&B/Misc./Res.Seats/GB-AJK/2020/664 Dated: 29-10-2020)

#### **Nominees of Federally Administered Tribal Areas (FATA)**

5% Seats, in addition to the following are reserved for students from FATA areas under the ECNEC special Programme. Selection of the candidates is to be conducted by the HEC

#### **RESERVED SEATS FOR FATA**

#	PROGRAMME	Seats
i)	BBA (Hons.) First Year	2
ii)	MA (Previous) English	4
iii)	MA (Previous) General History	2
iv)	MA (Previous) Islamic Culture	2
v)	M.Sc. (previous) Chemistry	2
vi)	M.Sc. (Previous) Statistics	2
vii)	M.Sc. (Previous) Zoology	2
viii)	BPEHSS (Evening)	2
ix)	MPEHSS (Evening)	2
x)	B.Ed.	2

(Applications for admission must be channeled through the Ministry of Interior, States and Frontier Regions Division, Government of Pakistan, Islamabad.)

#### **9. SEATS RESERVED FOR WARDS OF SHUHADA WAR WOUNDED SERVING AND RETIRED ARMED FORCES PERSONNEL.**

**One** seat in each discipline for the Bachelor/Master Programmes is reserved for wards of Shuhada war wounded serving and retired armed forces personals candidates to be nominated by Director, Welfare and Rehabilitation Directorate, General Headquarters, Rawalpindi. The nominees will have to qualify Pre-Entry Test.

#### **10. SEATS RESERVED FOR ARMY PERSONNEL (ONLY FOR MASTER'S DEGREE PROGRAMMES)**

**Two** seats are reserved for Army Personnel in the following disciplines for Masters' degree Programme:

Chemistry, Geography, Mathematics, Statistics, Economics, English, International Relations, Mass Communication, Political Science, Psychology and Criminology.

#### **11. SEATS ON SELF FINANCE BASIS**

**Twenty-five percent (25%)** seats are available in all courses of studies on self-finance basis for candidates domiciled in Sindh. For candidates from other provinces of Pakistan including FATA and Azad Kashmir, five **(05)** seats are reserved in each courses of studies (except Doctor of Pharmacy (Pharm-D) where only **(02)** seats will be allowed and BE Electronic Engineering, BE Telecommunication Engineering where only **(01)** seat will be allowed in each discipline). The fee structure for candidates from other provinces under this category is shown in the fees Structure. Candidates for Admission on **Self Finance** basis will also **have to qualify the Pre-Entry Test. No advance payment of Admission fee is required.**

#### **12. NOMINEES OF PHARMACEUTICAL INDUSTRY**

**Two** seats for nominees of Pharmaceutical Industries are reserved in Pharmacy discipline on **Self Finance Basis**, at the rate of fees charged from foreign nationals.

#### **13. SEATS RESERVED FOR FOREIGN NATIONALS**

The university allows admission to a limited number of foreign national students in various disciplines for Bachelor and Master Degree Programmes, at the recommendations/ nominations by the Ministry of Education/ Ministry of Finance and Economic Affairs, Government of Pakistan, under Pakistan Technical Assistance Programmes as well as on Self Finance basis.

##### **a) Seats reserved for Foreign Nationals under Pakistan Technical Assistance Programme,**

10 Seats are reserved for admission to Pharm-D under this Programme for foreign students.

##### **b) Seats Reserved for Foreign Nationals on Self Finance Scheme.**

- **25** (Twenty-five) seats are reserved in each course of study of the University, excluding BE Electronic Engineering, BE Telecommunication Engineering where only one seat in each discipline is reserved for foreign Nationals nominated by the HEC, Islamabad.
- **10** (Ten) seats in Pharm-D (Evening) Programme are reserved for foreign Nationals nominated by the HEC, Islamabad.
- **03** (Three) seats are reserved for Thai Muslim candidates, two for students @ Master level and One for teacher at M.Phil./ Ph.D. level.



## CURRICULA ORGANISATION AND DESCRIPTION

The University of Sindh offers degree Programmes through the teaching institutes/ departments/ centres functioning under the Faculties of Arts, Commerce and Business Administration, Education, Islamic Studies, Law, Natural Sciences, Pharmacy and Social Sciences.

The Programmes and their pre-requisites and requirements for the degree are specified as under:

- (1) The requirement for the BS (04-Years) degree under the **Faculty of Arts** (except Art and Design), **Faculty of Islamic Studies** and **Faculty of Social Sciences** with curricula organised as under:

- A. Compulsory Courses, 4-Semester  
 i) English  
 ii) Pakistan Studies  
 iii) Islamic Studies or Ethics for Non-Muslim  
 iv) Urdu/ Sindhi/ Additional English in lieu of mother tongue  
 B. Elective courses- discipline- in which Majoring 8-Semester  
 C. Supporting Minors: 2 courses (in each semester) 4-Semester

The two supporting Minor courses are to be selected from amongst the under- mentioned Group A and B, one from each group and excluding the discipline offered as Major. The students must give in writing their choice of minor subjects, within one week of commencement of classes, to the Head of the concerned department to which admitted:

Group "A"		Group "B"	
Home Economics	Economics	Health and Physical Education	Psychology
Political Science	International Relations	Sociology	Social Work
Media and Communication Studies	General History	Library and Information Science	Public Administration
English	Sindhi	Philosophy	Muslim History
Urdu	Arabic	Religion	Islamic Culture
Persian	Statistics	Fine Arts	Functional Mathematics
Rural Development Studies		Gender Studies	

The general Pre-requisite qualification for admission to the bachelor degree Programmes under these faculties is H.S.C. with Arts/ Science/ Commerce **OR** Home Economics groups.

- (2) For the 4-Year (8- Semester) Bachelor degree Programmes under the **Faculty of Natural Sciences**, the requirement is not more than 146 credit hours, with curricula organised as under:

- A. General Education Requirements, 4-Semester  
 i) English  
 ii) Pakistan Studies  
 iii) Islamic Studies or Ethics for Non-Muslim  
 iv) General Maths  
 v) Environmental Science  
 vi) Statistics and Computer Skills  
 vii) Civilization  
 B. i) Elective: **Major** discipline 8-Semester  
 ii) Supporting Minors, I and II courses during 1<sup>st</sup> to 4<sup>th</sup> semester to be offered in consultation with the Director/ Chairperson of the Institute/Department in which majoring, as per combinations listed below:  
 C. Free choice Elective subjects e.g., Fine Arts, (not yet implemented)  
 Psychology, Sociology, Philosophy

**Table: Major subjects and disciplines offered as supporting Minor Courses.**

Major	Minor-I	Minor-II (any one)
Botany	Zoology	Chemistry/ Bio-Chemistry/ Fresh water Biology/ Physiology
Chemistry	Physics	Botany/ Fresh Water Biology & Fisheries/ Physiology/ Zoology
Fresh Water Biology and Fisheries	Zoology	Chemistry/ Bio-Chemistry/ Physiology
Genetics	Chemistry	Botany/ Physiology/ Microbiology/ Zoology
Geography	Geology	Statistics/ Chemistry Botany/ Zoology
Geology	Applied Mathematics/ Statistics	Physics/ Geography/ Chemistry/ Botany/ Zoology/ Microbiology

Mathematics	Applied Mathematics	Chemistry/ Geology/ Physics/ Geography
Microbiology	Physiology	Biochemistry/ Biotechnology/ Zoology
Physics	Applied Mathematics/ Statistics	Chemistry/ Geology
Physiology	Bio-Chemistry/ Microbiology	Biochemistry/ Botany/ Zoology
Psychology	Statistics/ Physiology	Biochemistry/ Chemistry/ Physics
Statistics	Computer Application	Economics/ Business Administration/ Public Administration
Zoology	Botany	Chemistry/ Fresh Water Biology/ Biochemistry/ Physiology

Note: The students must give in writing their choice of minor subjects, within one week of commencement of classes, to the head of the concerned institute/ department to which admitted.

- (4) For the 05 Years (10 Semesters) **Pharm-D** degree under the **Faculty of Pharmacy**, the minimum requirements are 198 credit hours, with curricula organised as under:

- General Requirements 11 CH
- Professional Requirements 187 CH

The 05 Years (10 Semesters) **Law** degree (**D. Juris**) under the **Faculty of Law**, requirement is 180 CH

- (5) The Faculty of Commerce and Business Administration offers **04 Years (08 Semesters) BS Commerce and BBA (Hons.) Programmes** followed by 02 Years **MS Commerce and MBA (Hons.) Programmes**, equivalent to MS/ M.Phil. in these disciplines.

- BS Commerce 08 Semesters Programme 136 CH
- BBA (Hons) 08 Semesters Programme 136 CH
- MBA (Hons) 04 Semesters Programme 36 CH
- MBA 04 Years Programme 96 CH
- MBA (Evening) 06 Semesters Programme 69 CH

## COURSE DESCRIPTION

The curricula organizations for all the bachelor and master degree programmes under various respective faculties are listed in this section. **Details of the courses are available with the concerned department/ course teachers.** Details of Lab. courses (Practicals/ Fieldwork in Natural and Social Sciences) are also provided with the course teacher concerned.

The relevance of course numbers to the level of programmes has been specified under the section i.e., *Semester Regulations* and is also summarized here for convenience and identification of the level of programme.

### a. Bachelor Programmes

- 300-309 General education/ compulsory courses offered during **first and second** semester  
 310-319 Major discipline courses to be offered during **first and second** semester  
 320 Supporting Minor-I of 04 years BS  
 350-319 Supporting Minor courses to be offered during **first and second** semester  
 400-409 Courses offered under 'General education'/ compulsory during **third and fourth** semester  
 410-419 Major discipline courses to be offered during **third and fourth** semester  
 420 Supporting Minor-II of 04 years BS  
 450-499 Supporting Minor courses to be offered during **third and fourth** semester  
 500-599 Courses to be offered during **fifth and sixth** semester of the 04 years/03 years Bachelor Hons. Programmes including Third Professional Pharm-D and 5-year LLB  
 600- 699 7th and 8th semester of the 04 years Bachelor degree Programmes  
 700- 799 9th and 10th semester Pharm. D. courses of the Final Professional under the Faculty of Pharmacy and for 05 years Law degree Programmes

### b. Bachelor of Education and PEHSS

Bachelor of Education/ Physical Education Health and Sports Science Programme is identified by course nos. **500 to 599**.

### c. Masters (02 Semesters) Programme of Art and Design

Master (two semester) Programme courses after 08 semesters Bachelor degree of the Institute of Art and Design are numbered **700- 799**.

### d. Masters (4/6 Semesters) Programme

Course numbers **500 to 699** identify **04 semesters** Masters Regular Programmes after 02 years Pass Bachelor degree as well as **06 semesters** Masters Evening Programmes.

- e. Under the **04 semesters** Master Programmes in general and basic sciences disciplines, students will study courses numbered **500- 599** during First year (**Previous, First and Second Semesters**) and courses numbered **600-699** as for (**Final year, Third and Fourth Semester**).

**NOTE:** Courses for some of the Programmes are not in conformity with the numbering scheme outlined above. The revision of these courses is in hand.

## SEMESTER RULES & REGULATIONS

### Duration of Semester

<b>Total No. of Credit Hours (Minimum)</b>	124*
<b>Total No. of Credit Hours (Maximum)</b>	140*
<b>Semester Duration</b>	Minimum of 16 weeks of teaching excluding examinations
<b>Course Duration</b>	Minimum of 8 /10 semesters (4 years/ 5 years as per Accreditation body *) Maximum time limit of 6/7 years, further extendable for one year with the approval of Statutory Bodies
<b>Summer Session</b>	For deficiency/failure/repetition of maximum 2 courses of 03 credits each, Professional programmes like Education, medicine and those requiring Clinical work can offer max 6-9 credit hours.
<b>Course Load per Semester for Regular Full-Time Students</b>	15-18 Credit Hours
* Minimum of 160 and Maximum 180-above Credit hours for 5-year degree programme **Subject to meeting the requirements of the respective Accreditation Councils to meet the International Standards for Credit Hours required.	

### Duration of Graduate Programmes

- a) The Graduate (Masters) Degree programmes offered under this Code OR of the university catalogue OR university website include all programmes where the minimum prerequisite is Bachelor (Pass or 3-years Honours) degree.

- b) The Master's (graduate) programme after Honours is of one year (two semesters) duration with the Bachelor (Pass) degree background. The programme is of 2 years (Four Semester) duration.
- c) Research degree i.e., MS.Com. (Hons), MBA (Hons), MS/M. Phil. programme is also of two years (4-semester) duration with the first year assigned for coursework and Research Study that is, thesis or dissertation work, mainly during the second year.
- d) Similarly, PhD programme is of a minimum of three years of study with one year (1 & 2 Semesters) assigned to the coursework of 18-CH, while research study on the approved topic leading to thesis preparation is undertaken during the second and third year onward after clearance of comprehensive exam and formal enrolment to candidacy.

### CREDIT HOURS FOR UNDERGRADUATE AND GRADUATE DEGREES

- a) A credit hour means teaching/learning a theory course for one hour each week throughout the semester.
- b) One credit hour in the laboratory or practical work/project would require lab contact of three hours per week throughout the semester.
- c) The credit hours are denoted by two digits within brackets with a hyphen/plus in between. The first digit represents the theory part while the second (right side) digit represents the practical.
- d) Thus 3(3+0)/3(3-0) means three credit hours of theory, while 4(3+1)/4(3-1) means a total of four credit hours, of which three are of theory while one credit hour is for laboratory/studio work/field work/practical work supervised and graded by the faculty, and 4(1+3)/4(1-3) means a total of four credit hours, of which one is of theory while three credit hours are for laboratory/studio work/field work/practical work as per the requirement of disciplines.

### **Numbering of Courses**

- The courses listed under various programmes have been numbered as under. The notation prefixed with the numbers would indicate the discipline e.g., IR for International Relations
- 300-309 'General education'/ compulsory courses offered during the first & second semesters.
- 310-319 Major discipline courses to be offered during the first & second semesters.
- 320-330 & 350-399 Supporting Minor courses to be offered during the First & Second semester respectively.
- 400-409 Courses offered under 'General education'/ compulsory during third & fourth semester.
- 410-419 Major discipline courses to be offered during the third & fourth semesters.
- 420-430 & 450-499 Supporting Minor courses to be offered during the Third & Fourth semester.
- 500-599 Major discipline courses to be offered during the fifth & sixth semesters of B.A./B.Com./B.B.A. Hons. programmes and BS Part-III courses.
- 500-599 Courses to be offered during first & second semester of Master's (Pass) degree programme after Bachelor Pass Degree and 1st & 2nd semester of B.Ed./ B.H.P.Ed./ P.G.Dip. programmes.
- 600-699 Courses to be offered for the 7th & 8th Semester of the 4-year Bachelor programme were offered and or 4th-yr of Pharm-D.
- 600-699 Courses to be offered for the First & Second semesters of Masters programmes after Honours degree as pre-requisite and Third & Fourth Semesters with Bachelor (Pass) background as well as BS Final (7 & 8th) Semesters.
- 700-799 Courses to be offered for first & second semester (5th-yr.) of Pharm-D, also Arts & Design programmes after 8-semester Bachelor degree.
- 800-890 Courses to be offered for MS/ M.Phil./ M. Pharm. and PhD programmes.
- 895- 899 M.Phil./ Ph.D. Thesis.

### **COURSE LAYOUT**

#### **A. COURSE LAYOUT FOR UNDERGRADUATE PROGRAMMES (124-140 CREDIT HOURS)**

- All undergraduate degree programmes are composed of 124 to 140 Credit Hours in which (124 represents the minimum and 140 represents the maximum credit hours required to be completed).
- Minimum of 160 credit hours for 5-year degree programme subject to meeting the requirements of the respective Accreditation Councils
- In undergraduate degree programmes, major courses are classified into two categories.

*Foundation or core courses*

*Elective (courses from the area of specialization/major study)*

- 78-87 credit hours must be earned by taking a sequence of introductory, intermediate and advanced level courses prescribed for the major area of concentration means foundation and elective (courses of the area of specialization).

#### **For Social and Basic Sciences**

The courses for Social and Basic Sciences disciplines will consist of 60-65% of the curriculum towards the discipline-specific areas.

#### **For Engineering/Technology Programmes**

While for the Engineering/technology programme these will consist of 65-70% of the curriculum towards the discipline-specific areas of concentration as required by **Accreditation Councils**.

- All Undergraduate programmes have a required component of 8-9 courses of 22-25 credits of General Education.
- The university will follow the HEC policy regarding weightage for major subjects that means foundation and elective (courses of the area of specialization), compulsory and related subjects as per template/framework available on HEC.
- An undergraduate degree programme usually includes theory courses, community work/thesis/research report/project and internship.

**Theory:** A theory course is of 03 to 04 credit hours as per the requirement of the discipline.

Course	Duration of Class
Theory Course of 03 Credit Hours	3 classes of 01 hour each per week Or 2 classes of 1.5 hour each per week Or 1 class of 03 hours per week
Practical (Lab)Work/Field Work of 01 Credit Hour	03 hours per week

**Project:** Every student should write a project report/thesis/research report/project/ internship in the final year up to maximum of 06 credit hours individually on a research topic approved by the faculty.

**Internship:** Students should be encouraged to do internship in a relevant academic, research or business organization relating to the discipline chosen for the specialization of maximum of 03 credit hours offered in any upper division semester as per the requirement of discipline.

- h) The credit hours for Bachelor programmes are generally assigned as under;
- I. English and other 'General Requirements' courses 2/3 C.H. each course
  - II. All supporting minor courses in Arts 3 C.H. each course
  - III. All supporting minor courses in Science Theory Lab. (Practical) 2+1 C.H. each course
  - IV. All courses pertaining to the discipline in which Majoring
  - V. For Arts, Commerce & Business Studies, Islamic Studies & Social Sciences. 3/4 C.H. each course
  - VI. For Natural Science disciplines, Theory 3/4 C.H. each course Lab. (Practical) 1 C.H. each course

## B. COURSE LAYOUT FOR VARIOUS MASTER DEGREE/DIPLOMA PROGRAMMES

- i. Master's degree programme after 3-yr Honours 32-40 C.H. (other than those specified below).
- ii. Master's degree programme after 2-yr. Bachelor (Pass) 66 C.H. (other than those specified below)
- iii. Masters in Computer & Information Technology, (after old Hons.), M. Electronics, M. Telecom, MS (IT) and M. Software Engineering 32-40 C.H.
- iv. MBA 4/6 Semester Morning/Evening 72-69 C.H.
- v. M.Sc. in I.T., Computer Sci., Electronics, Telecom. and Software Engg. 72 C.H.
- vi. MCS in Computer Science 60 C.H.
- vii. B.P.E.H.S.S/M.P.E.H.S.S; B.Ed./M.Ed. Programme 40 C.H.
- viii. M.A. Education 80 C.H.
- ix. Postgraduate (Post Bachelor) Diploma in Information Technology, Computer Science, Electronics, Telecommunications, Software Engineering, Archives, Community Work, Lib. And Information Science, Local Government and Public Administration 38-40 C.H.

All master level or graduate (theory) courses are generally assigned 3 to 4 C.H. weightage.

## SPRING/FALL SEMESTER

There will be two regular semesters (Spring and Fall) in an academic year. The spring/fall semesters will spread over 16-18 weeks (inclusive of 1 – 2 weeks for exams). The summer semester will be of 8 – 9 weeks of concentrated study for completing remedial course work. Following is the break-up;



1. Teaching duration of Spring semester	<b>16 Weeks</b>
2. Conduct of Mid Semester Exam	01 Week
3. Preparation for final Spring Semester Exam	01 Week
4. Conduct of final Spring Semester Exam	02 Weeks
10. Semester Break	01 Week
5. Summer Break / Summer Semester	08 Weeks
6. Teaching duration of Fall Semester	16 Weeks
7. Conduct of Mid Semester Exam	01 Weeks
8. Preparation for final Fall Semester Exam	01 Week
9. Conduct of final Fall Semester Exam	02 Weeks
10. Semester Break	01 Week
12. Winter Break	02 Weeks
<b>TOTAL</b>	<b>52 WEEKS</b>

### **COURSE LOAD FOR FALL AND SPRING SEMESTERS**

#### ***Undergraduate Students***

- An undergraduate programme of instruction generally includes a 15-18 credit hours course load including exams in a regular semester. The required course load for a full-time undergraduate is a minimum of 15 credit hours per semester.
- In case, any student wishes to enrol in one more courses beyond 18 C.H s/he may be allowed by an institution in either of the two cases—
- If his/her CGPA is above 3.5 and
- The student needs the course to graduate on time.

### **ENROLLMENT/REGISTRATION IN COURSES**

- The departments/institutes/campuses will assign an advisor to each student on admission. The advisor and the student together will develop a flexible comprehensive plan of study that will be implemented each semester. The advising file will be updated after each semester and will include copies of transcripts and GPA earned.
- Students are required to choose the courses they wish to enrol in, prior to the start of a semester with the advice of an advisor. For this purpose, the university will publish a schedule for the enrollment of students. The students may make any change (add/drop) in the courses they are taking within the second week of the semester and record the changes in the Advisor file and office of the registrar. No drop and add will be allowed after the third week of the semester.
- A student who wishes to add or drop a course or change a section of a course after registration must complete the relevant procedure as prescribed by the university.
- Students may be allowed to withdraw from a course during the 4-6 weeks of the semester. In such a case, the transcript shall record that the student enrolled in the course and withdrew.
- Consequently, grade W will be awarded to the student which shall have no impact on the calculation of the CGPA of the student.
- A student withdrawing after the 6th week shall be automatically awarded "F" grade which shall count in the GPA and stay on the transcript.
- HEC policy regarding two degrees is available and already circulated in HEIs.

### **REPEATING COURSES / IMPROVEMENT OF CGPA**

- If a student gets 'F' grade, s/he will be required to repeat or improve the course or its recommended alternate, if any. However, "F" grade obtained earlier will also be recorded on the transcript.
- Undergraduate students may be allowed to repeat a course in which s/he has obtained a grade below "C". In such a case, both the previous and new grade obtained will be recorded on the transcript. However, only the better grade shall be used in the calculation of CGPA. The Institution may define the maximum number (<6) of courses that students may be allowed to repeat in an eight-semester degree programme.
- A graduate student (MS/MPhil) with a 'C' grade can repeat the course if s/he desires to improve the grade. Each Institution may define the maximum number of

courses (<3) that a student may repeat at the graduate level. In such a case, both the course and the grade obtained will be recorded on the transcript. However, only the better grade shall be calculated in the CGPA.

- d) In case of CGPA improvement, it would be recorded with (Imp) on the transcript.

### ATTENDANCE

- Attendance in classes is mandatory, especially in a semester system.
- Overall minimum of 75 % attendance in a programme is required to appear in the examination of that programme (Condonation may be limited to 70%).
- The instructor may report a student's absences and the student may be placed on attendance probation by his/her dean/HoD and it will be notified by the department.
- A student may be dropped from the university for violating the terms of such probation.
- Attendance and other academic requirements (Sindh University Code 2013-14, pp.294).

### EXAMINATION

- In each semester, students may be required to appear in quizzes, tests, midterms, final examinations, presentations (individual/group), group discussions, and submit projects/assignments/lab reports etc. These assessment marks (to be determined by the teacher concerned) will have different weightage contributing toward the overall assessment in percent marks. This weightage will be determined on the basis of the following guidelines:

Nature of Examination	Weightage
Quizzes/Attendance/Class performance	10%
Mid Semester Examinations/Presentation/Practical	30%
Assignments/Presentations	10%
Final Examination	50%

- At the beginning of a semester, the instructor of each course should hand out a syllabus providing information to students that define attendance policy, grade distribution policy, assessment criteria, paper specification, examination dates, schedule of material to be taught, take-home assignment policy, required and recommended reading materials and any other information important for the successful completion of the course and its requirements.
- There will be no supplementary/special examination in the semester system; if a student fails in a course, s/he is required to repeat it. An incomplete grade will be awarded by the faculty only in exceptional cases beyond the control of a student such as serious accidents, family tragedy, serious health ailments, etc.

### d) Evaluation

- The course teacher will conduct the mid-term test and final semester test. S/he may, however, conduct any other test or give assignments on any topic of the course to the students. The course teacher will also inform the students at the beginning of the semester about the weightage to be assigned to such assignments/ tests.
- There will be no Mid./ Final Semester test for Lab. courses. The evaluation of the Lab course will be based on performance in the Lab and completion of Lab. assignments.
- The marks of the mid-term test (s) as well as the semester tests will be announced in the class and will be posted outside the office of the course teacher. The result will also be put on the department's notice board immediately after evaluation which should be completed within seven days from the conduct of the test. Copies of the score of the mid-term test/ semester test or any other test/ assignment will be deposited by the concerned faculty in the department's office. A copy will also be sent to the Controller of Examinations for the record.

### GRADING POLICY

- The grading/Marking system in the university will be the Absolute Grading System. Nevertheless, teachers are encouraged to adopt the Relative Grading System as suggested by HEC.
- To implement the semester system effectively, the subject teacher must display his/her provisional result within five days after the conduct of the final exam of that subject and submit the same to the controller of examination for the final announcement.

### FRACTIONALIZED GRADING POLICY

The following grading scheme will be implemented for all programmes running under the semester system at the university from the Academic year 2021 (2K21-Batch);

Status	Grade	Grade Points	The Percentage obtained in a Semester System	Grade Designation
Pass Grades	A+	4.0	85-100	Very Good
	A	3.6	80-84	
	B+	3.2	75-79	Good
	B	2.8	70-74	
	C+	2.4	65-69	Satisfactory
	C	2.0	60-64	
Improved Grades	D+	1.5	55-59	Conditional Pass
	D	1.0	50-54	
Fail	F	0.00	Below 50	Fail

### COMPUTATION OF SEMESTER GRADE POINT AVERAGE (GPA) AND CUMULATIVE GRADE POINT AVERAGE (CGPA)

#### a) Quality Point (Q.P.)

For the computation of the (G.P.A.) the quality point (Q.P) is first determined by multiplying the value of the grade point (G.P) earned by the students with the Credit Hours of that course, e.g., if a student obtains a "B+" grade for a three credit hours course then this Q.P will be calculated as follows: (Q.P.) =  $3.2 \times 3 = 9.60$

#### b) Grade Point Average (G.P.A.)

Grade point Average is an expression of the average performance of a student in the courses he/she has offered during a particular semester. This is calculated by adding the quality points of all the courses taken, divided by the total number of Credit hours offered: -

$$(G.P.A) = \text{Sum of Quality Points} / \text{Sum of the Credit Hours}$$

#### c) Cumulative Grade Point Average (C.G.P.A)

The Cumulative Grade Point Average (C.G.P.A) is the expression describing the performance of a student in all semesters and is determined in the following way:

$$(C.G.P.A) = \text{Sum of Quality Points for all the courses appeared} / \text{Sum of the Credit Hours for all the courses appeared}$$

### (A) CGPA REQUIRED FOR COMPLETION OF UNDERGRADUATE AND GRADUATE DEGREE

- For completion of a degree, the minimum qualifying CGPAs for undergraduate programmes BA/BS/MSc and postgraduate programmes MS/MPhil/PhD Students are 2.00 and 2.50 respectively.
- In case, a student secures less than 2.00 CGPA (minimum qualifying CGPA) at the end of the final Semester, s/he may be allowed to get re-admission/improve in one or more courses in which his/her Grade is below C along with the forthcoming semester, provided that s/he is not debarred under the CGPA Improvement Regulation and time duration specified for the programme.

### (B) Rules for Promotion

- The promotion from the first semester to the second, or from the third to the fourth or from the fifth to the sixth semester will be automatic; however, the student must meet the minimum requirement of attendance in that semester.
- For the promotion from the second semester to the third semester, a student must have (i) minimum attendance and (ii) a G.P.A. of 1.75 or above, in the preceding two semesters
- If a student fails to meet attendance requirements, he is liable to lose 10% of his grades which should be announced at the beginning of the semester by each instructor/ faculty.
- Students who secure less than 1.75 C.G.P.A. in the preceding two semesters, (i.e., first and second, third and fourth) will be promoted to the next semester (3rd/ 5th) conditionally, i.e., they will be treated on probation and if they fail to qualify courses in which failing by the end of that semester their admission shall be cancelled.
- Those students whose admission is cancelled due to the above reason will not be allowed to enrol in any class for at least one semester.

### (C) Repeating Courses

- a) Whenever a student fails or gets a 'D' grade, he/ she can reappear or improve his/ her G.P.A. at the immediate next session when the examination for that course is conducted. However, for students who fail in any course of the terminal semester of the programme, e.g., the eighth semester of the BS programme, his/her examination may be arranged by the chairperson/ director during the summer vacation.
- b) A student is allowed only one chance to improve his/ her grades in a course(s) of a previous semester. While a student who has passed B.A./ BS./ B.Com./ BS.P.A./ B.B.A. (Hons.) Part-IV and D. Pharmacy examination is not allowed to improve any course of a lower class, a student who has passed the final degree (B.A./ BS./ B.Com./ BS.P.A./ B.B.A. (Hons.) and D. Pharmacy examination and is placed in 'D' grade may be allowed one more chance to improve courses of the final year only.
- c) A student who has passed the final master's degree (M.A./ M.Sc./ M.B.A. M.Com.) Examination and is placed in 'D' grade may be allowed one more chance to improve his/ her G.P.A. of the final year only.
- d) If student absents himself/ herself in a test for any reason, no separate test will be held for him/ her during the semester.

### TRANSFER OF CREDIT HOURS FOR UNDERGRADUATES / GRADUATES

- a) Credits are transferred on course-to-course basis i.e., a person taking course A at the university X is allowed to transfer his/her credits to the university Y provided that course A is equivalent to course B taught at the Y university.
- b) No credit hour of a course will be transferred if the grade is less than C for undergraduate and B for graduate.
- c) The university is at liberty to enrol students (if they fulfil their criteria) for any semester or for any single class and issue the students a transcript for the courses completed.
- d) Credit hours may only be transferred between duly recognized HEIs and internationally recognized universities as recommended by HEC.
- e) Final decision will be taken by the Departmental Committee.

### REQUIREMENT FOR THE AWARD OF DEGREE

- a) For Undergraduate Students  
A student must have a regular admission in the Undergraduate programme of the Institution and should earn a minimum of 60 credit hours out of a total of 124-140 credit hours from the institution from which s/he will be entitled to the degree. (This para should be read in conjunction with para 16).
- b) For MS/MPhil Students  
A student must have regular admission in the MS/MPhil programme of the Institution and should earn a minimum of 15 credit hours from the HEI from where he/ she will be entitled to the degree. (This para should be read in conjunction with para 16).

### STUDENT GRIEVANCES AGAINST COURSE INSTRUCTOR

- a) All the departments/Institutes/campuses will have a Five-member Committee constituted of 02 senior faculty members, the relevant Head of the department and Dean headed by the Controller of Examinations to redress the grievances of the students about any course instructor or grades or for any other issue.
- b) In respect of grade, a student must submit the grievance application, if any, in writing to the Head of the Department within (07) seven working days of the receipt of the grade. The Head of Department shall forward the grievance application to the Committee. It will be mandatory for the Committee to hear both sides (student and the instructor) and will give its final decision within (05) five working days or before the start of registration for the new semester, whichever comes earlier. The decision of the Committee will be deemed final and will be binding on all parties.
- c) A departmental committee headed by the chairman/ senior faculty members will be constituted to check randomly a few answer papers of the final semester examination for uniformity of scoring & covering of the course content.

### COURSES ON PASS/FAIL BASIS FOR UNDERGRADUATES

Courses can be taken on a pass/fail basis. These courses can be taken only out of elective courses, and the grade awarded toward these courses will not be considered in calculating the GPA or CGPA. A maximum of 9 credit hours of courses can be taken on a pass/fail basis at the under graduation level. This is the prerogative of the university to set the minimum GPA along with the number of the semester(s) for putting a student on probation or removal from the university.

### **CANCELLATION OF ENROLMENT**

- a) If a student fails to attend any lecture during the first four weeks after the commencement of the semester as per the announced schedule, his/her admission shall stand cancelled automatically without any notification.
- b) If a student promoted conditionally to the next semester, fails to qualify for courses in which failing by the end of the semester, his admission shall be cancelled.

### **PERMISSION OF WRITER FOR SPECIAL STUDENTS**

- a) A visually impaired student may be allowed to attempt the Mid/Final Examinations of the university on Braille/ Computer/any other means of facilitation.
- b) In case, a student is physically handicapped/visually impaired, s/he may apply to the chairperson of the respective department (with a medical certificate as proof of her/his disability) for permission to engage a writer in Tests/ Examinations of the university two weeks before the start of tests/ examinations. S/he will be allowed 45 minutes (maximum) extra time to solve the question paper.
- c) The qualification of the person who acts as a writer for a handicapped student must be at least one step lower than that of the student. (e.g., for level 6 students, the writer should be at most of level 5).

### **RECHECKING OF EXAMINATION SCRIPT**

The answer book of a candidate shall not be re-assessed under any circumstances.

- a) Whereas the re-checking does not mean re-assessment/re-evaluation/re-marking of the answer book. The Controller of Examination can arrange for re-checking of the examination script by any faculty member from the relevant discipline on the complaint/request of students. The Controller of Examination or any officer or a re-checking committee appointed shall see that:
  - (i) There is no computational mistake in the grand total on the title page of the answer book.
  - (ii) The total of various parts of a question has been correctly made at the end of each question.
  - (iii) All totals have been correctly brought forward on the title page of the answer book.
  - (iv) No portion of any answer has been left un-marked.
  - (v) Total marks in the answer book tally with the marks sheet.
  - (vi) The hand-writing of the candidate tally in the questions/answer book.

- b. The candidate or anybody on his behalf has no right to see or examine the answer books for any purpose.
- c. The marks of a candidate could even decrease in light of (a) (iii) above. In the event of reduction of marks, the record shall be corrected accordingly and revised transcript will be issued.

### **TERMS LAPS POLICY**

A	B	C
S#	Degree Programmes	Specified period for completion of the degree Programmes: Actual + Additional= (Terms Laps period)
01	<b>01 Year Degree Programmes / PGD</b> <i>For example: PGD/ BPEHSS/ MPEHSS/ etc</i>	01 Year + 02 Years = 03 Years
02	<b>1.5 Years Degree Programmes</b> <i>For example: B.Ed. (Secondary) 1.5 Year</i>	1.5 Years + 02 Years = 3.5 Years
03	<b>2.5 Years Degree Programmes</b> <i>For example: B.Ed. (Secondary) 2.5 Year</i>	2.5 Years + 03 Years = 5.5 Years
04	<b>02 Years Degree Programmes</b> <i>For example: MA/ MSc/ MBA/ M.Com./ LLM etc.</i>	02 Years + 03 Years = 05 Years
05	<b>04 Years Degree Programmes</b> <i>For example: BS/ BBA/MBA(4-year) etc.</i>	04 Years + 03 Years = 07 Years
06	<b>05-Year Degree Programmes</b> <i>For example: Pharm D./ LLB etc.</i>	05 Years + 03 Years = 08 Years

- a) The students must complete their degree within the specified period (mentioned in column C) otherwise his/ her terms will be lapsed.
- b) This policy will be effective for the students who will get admission in the year 2022 (2K22-Batch) and onwards at all the campuses/ institutes/ departments/ centres/ and affiliated colleges of the University of Sindh. This policy will also be applicable for the readmission cases effective from their admission in their part-1. **(Resolved in 42<sup>nd</sup> meeting of the Academic Council).**



**Distribution of Allocated Seats For Bachelor Degree Programmes - 2023**

DISCIPLINE	Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Total Merit Seats	Female Quota	Sindh University Employees Quota	Affiliated College Employees Quota	Wards of Shuhda Quota	Disabled Person Quota	Sports Quota	Commerce Quota	Total Reserved Seats	Self Finance (Sindh Province)	Self Finance (Other Province)	Self Finance (Foreign Nationals)	Total Self-Finance Seats	GRAND TOTAL
<b>Faculty of Arts</b>																
Arabic (BS)	20	15	35	12	10	2	1	1	0	0	26	15	5	25	45	106
Art History (BAH)	20	15	35	12	10	2	1	1	0	0	26	15	5	25	45	106
Communication Design (BCD)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
English Applied Linguistics (BS)	80	15	95	12	10	2	1	1	2	0	28	30	5	25	60	183
English Language and Literature (BS)	160	15	175	12	10	2	1	1	2	0	28	30	5	25	60	263
English Language Teaching (BS)	80	15	95	12	10	2	1	1	2	0	28	30	5	25	60	183
Fine Arts (BFA)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Persian (BS)	20	15	35	12	10	2	1	1	0	0	26	15	5	25	45	106
Philosophy (BS)	20	15	35	12	10	2	1	1	0	0	26	15	5	25	45	106
Sindhi (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Textile Design (BTD)	70	15	85	12	10	2	1	1	1	0	27	28	5	25	58	170
Urdu (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
<b>TOTAL</b>	<b>670</b>	<b>180</b>	<b>850</b>	<b>144</b>	<b>120</b>	<b>24</b>	<b>12</b>	<b>12</b>	<b>11</b>	<b>0</b>	<b>323</b>	<b>270</b>	<b>60</b>	<b>300</b>	<b>630</b>	<b>1803</b>
<b>Faculty of Commerce and Business Administration</b>																
Banking and Finance (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Business Administration BBA (Hons)	164	42	206	12	10	2	1	1	2	10	38	61	5	25	91	335
Commerce (BS)	100	15	115	12	10	2	1	1	2	0	28	36	5	25	66	209
Forensic Accounting and Fraud Examination (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
<b>TOTAL</b>	<b>364</b>	<b>87</b>	<b>451</b>	<b>48</b>	<b>40</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>6</b>	<b>10</b>	<b>120</b>	<b>143</b>	<b>20</b>	<b>100</b>	<b>263</b>	<b>834</b>
<b>Faculty of Engineering and Technology</b>																
Electronic Engineering (BE)	25	10	35	0	2	0	1	0	0	0	3	10	1	1	12	50
Telecommunication Engineering (BE)	25	10	35	0	2	0	1	0	0	0	3	10	1	1	12	50
Data Science (BS)	41	21	62	12	10	2	1	1	1	0	27	22	5	25	52	141
Information Technology (BS)	71	21	92	12	10	2	1	1	1	0	27	30	5	25	60	179
Software Engineering (BS)	71	21	92	12	10	2	1	1	1	0	27	30	5	25	60	179
<b>TOTAL</b>	<b>233</b>	<b>83</b>	<b>316</b>	<b>36</b>	<b>34</b>	<b>6</b>	<b>5</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>87</b>	<b>102</b>	<b>17</b>	<b>77</b>	<b>196</b>	<b>599</b>

Distribution of Allocated Seats For Bachelor Degree Programmes - 2023																
DISCIPLINE	Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Total Merit Seats	Female Quota	Sindh University Employees Quota	Affiliated College Employees Quota	Wards of Shuhda Quota	Disabled Person Quota	Sports Quota	Commerce Quota	Total Reserved Seats	Self Finance (Sindh Province)	Self Finance (Other Province)	Self Finance (Foreign Nationals)	Total Self-Finance Seats	GRAND TOTAL
<b>Faculty of Islamic Studies</b>																
Comparative Religion (BS)	30	15	45	12	10	2	1	1	0	0	26	18	5	25	48	119
Islamic Studies (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Muslim History (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
<b>TOTAL</b>	<b>130</b>	<b>45</b>	<b>175</b>	<b>36</b>	<b>30</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>80</b>	<b>64</b>	<b>15</b>	<b>75</b>	<b>154</b>	<b>409</b>
<b>Faculty of Natural Sciences</b>																
Anthropology & Archeology (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Biochemistry (BS)	60	15	75	12	10	2	1	1	1	0	27	26	5	25	56	158
Biotechnology (BS)	60	15	75	12	10	2	1	1	1	0	27	26	5	25	56	158
Botany (BS)	90	15	105	12	10	2	1	1	2	0	28	33	5	25	63	196
Chemistry (BS)	135	15	150	12	10	2	1	1	2	0	28	45	5	25	75	253
Coastal and Marine Science (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Computer Science Pre-Engineering (BS)	71	21	92	12	10	2	1	1	1	0	27	30	5	25	60	179
Computer Science Pre-Medical (BS)	71	21	92	12	10	2	1	1	1	0	27	30	5	25	60	179
Environmental Science (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Fresh Water Biology & Fisheries (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Genetics (BS)	60	15	75	12	10	2	1	1	1	0	27	26	5	25	56	158
Geography (BS)	120	15	135	12	10	2	1	1	2	0	28	41	5	25	71	234
Geology (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Mathematics (BS)	120	15	135	12	10	2	1	1	2	0	28	41	5	25	71	234
Medical & Laboratory Technology (BS)	60	15	75	12	10	2	1	1	1	0	27	26	5	25	56	158
Microbiology (BS)	60	15	75	12	10	2	1	1	1	0	27	26	5	25	56	158
Nutrition & Food Science (BS)	60	15	75	12	10	2	1	1	1	0	27	26	5	25	56	158
Physical Education, Health & Sports Sciences (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Physics (BS)	90	15	105	12	10	2	1	1	2	0	28	33	5	25	63	196
Physiology (BS)	60	15	75	12	10	2	1	1	1	0	27	26	5	25	56	158
Poultry Farming and Management (BS)	90	15	105	12	10	2	1	1	2	0	28	33	5	25	63	196
Public Health (BS)	60	15	75	12	10	2	1	1	1	0	27	26	5	25	56	158
Statistics (BS)	90	15	105	12	10	2	1	1	2	0	28	33	5	25	63	196
Zoology (BS)	130	15	145	12	10	2	1	1	2	0	28	43	5	25	73	246
<b>TOTAL</b>	<b>1787</b>	<b>372</b>	<b>2159</b>	<b>288</b>	<b>240</b>	<b>48</b>	<b>24</b>	<b>24</b>	<b>32</b>	<b>0</b>	<b>656</b>	<b>708</b>	<b>120</b>	<b>600</b>	<b>1428</b>	<b>4243</b>

**Distribution of Allocated Seats For Bachelor Degree Programmes - 2023**

DISCIPLINE	Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Total Merit Seats	Female Quota	Sindh University Employees Quota	Affiliated College Employees Quota	Wards of Shuhda Quota	Disabled Person Quota	Sports Quota	Commerce Quota	Total Reserved Seats	Self Finance (Sindh Province)	Self Finance (Other Province)	Self Finance (Foreign Nationals)	Total Self-Finance Seats	GRAND TOTAL
<b>Faculty of Social Sciences</b>																
Criminology (BS)	105	15	120	12	10	2	1	1	1	0	27	37	5	25	67	214
Development Communication (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Disaster Management (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Economics (BS)	100	15	115	12	10	2	1	1	2	0	28	36	5	25	66	209
Economics and Finance (BS)	100	15	115	12	10	2	1	1	2	0	28	36	5	25	66	209
Gender Studies (BS)	20	15	35	12	10	2	1	1	0	0	26	15	5	25	45	106
General History (BS)	30	15	45	12	10	2	1	1	0	0	26	18	5	25	48	119
International Relation (BS)	120	15	135	12	10	2	1	1	2	0	28	41	5	25	71	234
Library & Information Science (BS)	80	15	95	12	10	2	1	1	2	0	28	31	5	25	61	184
Media & Communication Studies (BS)	80	15	95	12	10	2	1	1	2	0	28	31	5	25	61	184
Pakistan Studies (BS)	100	15	115	12	10	2	1	1	2	0	28	36	5	25	66	209
Political Science (BS)	70	15	85	12	10	2	1	1	1	0	27	28	5	25	58	170
Psychology (Science) (BS)	40	15	55	12	10	2	1	1	1	0	27	21	5	25	51	133
Psychology (Arts) (BS)	40	15	55	12	10	2	1	1	1	0	27	21	5	25	51	133
Public Administration (BS)	70	15	85	12	10	2	1	1	1	0	27	28	5	25	58	170
Rural Development Studies (BS)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
Social Work (BS)	70	15	85	12	10	2	1	1	1	0	27	28	5	25	58	170
Sociology (BS)	70	15	85	12	10	2	1	1	1	0	27	28	5	25	58	170
<b>TOTAL</b>	<b>1245</b>	<b>270</b>	<b>1515</b>	<b>216</b>	<b>180</b>	<b>36</b>	<b>18</b>	<b>18</b>	<b>22</b>	<b>0</b>	<b>490</b>	<b>504</b>	<b>90</b>	<b>450</b>	<b>1044</b>	<b>3049</b>
<b>Faculty of Education</b>																
Education (B.Ed. ELEMENTARY)	50	15	65	12	10	2	1	1	1	0	27	23	5	25	53	145
<b>Faculty of Law</b>																
Law (5 Years Degree Programme) (LLB)	82	42	124	12	5	2	1	1	2	0	23	37	5	25	67	214
<b>Faculty of Pharmacy</b>																
Doctor of Pharmacy (Pharm-D)	41	21	62	12	10	2	1	1	1	0	27	22	2	25	49	138

Distribution of Allocated Seats for Master Degree Programmes – 2023																
DISCIPLNE	Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Total Merit Seats	Female Quota	Disabled Person Quota	Sports Quota	Commerce Quota	Sindh University Employees Quota	Affiliated College Quota	Wards of Shuhda Quota	Total Reserved Seats	Self Finance (Sindh Province)	Self Finance (Other Province)	Self Finance (Foreign Nationals)	Total Self-Finance Seats	GRAND TOTAL
Faculty of Arts																
Arabic (MA)	20	15	35	12	1	1	0	10	2	1	27	16	5	25	46	108
English Applied Linguistics (MA)	40	15	55	12	1	1	0	10	2	1	27	21	5	25	51	133
English Language and Literature (MA)	40	15	55	12	1	1	0	10	2	1	27	21	5	25	51	133
Fine Arts (MA)	20	15	35	12	1	1	0	10	2	1	27	16	5	25	46	108
Persian (MA)	10	15	25	12	1	1	0	10	2	1	27	13	5	25	43	95
Philosophy (MA)	20	15	35	12	1	1	0	10	2	1	27	16	5	25	46	108
Sindhi (MA)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
Urdu (MA)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
TOTAL	270	120	390	96	8	8	0	80	16	8	216	155	40	200	395	1001
Faculty of Natural Sciences																
Actuarial Sciences (M.Sc.)	30	15	45	12	1	1	0	10	2	1	27	18	5	25	48	120
Biochemistry (M.Sc.)	55	15	70	12	1	1	0	10	2	1	27	24	5	25	54	151
Biotechnology (M.Sc.)	30	15	45	12	1	1	0	10	2	1	27	18	5	25	48	120
Botany (M.Sc.)	75	15	90	12	1	1	0	10	2	1	27	29	5	25	59	176
Chemistry (M.Sc.)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
Computer Science (M.Sc.)	40	15	55	12	1	1	0	10	2	1	27	21	5	25	51	133
Computer Science (MCS)	40	15	55	12	1	1	0	10	2	1	27	21	5	25	51	133
Enviromental Science (M.Sc.)	30	15	45	12	1	1	0	10	2	1	27	18	5	25	48	120
Fresh Water Biology & Fisheries (M.Sc.)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
Geography (M.Sc.)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
Mathematics (M.Sc.)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
Physics (M.Sc.)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
Physiology (M.Sc.)	40	15	55	12	1	1	0	10	2	1	27	26	5	25	56	138
Statistics (M.Sc.)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
Zoology (M.Sc.)	75	15	90	12	1	1	0	10	2	1	27	29	5	25	59	176
TOTAL	775	225	1000	180	15	15	0	150	30	15	405	360	75	375	810	2215



**Distribution of Allocated Seats for Master Degree Programmes – 2023**

DISCIPLINE	Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Total Merit Seats	Female Quota	Disabled Person Quota	Sports Quota	Commerce Quota	Sindh University Employees Quota	Affiliated College Quota	Wards of Shuhda Quota	Total Reserved Seats	Self Finance (Sindh Province)	Self Finance (Other Province)	Self Finance (Foreign Nationals)	Total Self-Finance Seats	GRAND TOTAL
<b>Faculty of Islamis Studies</b>																
Comparative Religion (MA)	20	15	35	12	1	1	0	10	2	1	27	16	5	25	46	108
Islamis Culture (MA)	80	15	95	12	1	1	0	10	2	1	27	31	5	25	61	183
Muslim History (MA)	50	15	65	12	1	1	0	10	2	1	27	23	5	25	53	145
<b>TOTAL</b>	<b>150</b>	<b>45</b>	<b>195</b>	<b>36</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>30</b>	<b>6</b>	<b>3</b>	<b>81</b>	<b>70</b>	<b>15</b>	<b>75</b>	<b>160</b>	<b>436</b>
<b>Faculty of Commerce &amp; Business Administration</b>																
Commerce (M.Com)	50	15	65	12	1	1	0	10	2	1	27	23	5	25	53	145
Business Administration (02 Years) MBA (Hons)	100	30	130	12	1	1	0	10	2	1	27	45	5	25	75	232
<b>TOTAL</b>	<b>150</b>	<b>45</b>	<b>195</b>	<b>24</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>20</b>	<b>4</b>	<b>2</b>	<b>54</b>	<b>68</b>	<b>10</b>	<b>50</b>	<b>128</b>	<b>377</b>
<b>Faculty of Social Sciences</b>																
Development Studies (M.Sc.)	50	15	65	12	1	1	0	10	2	1	27	23	5	25	53	145
Economics (M.A)	50	15	65	12	1	1	0	10	2	1	27	23	5	25	53	145
General History (M.A)	30	15	45	12	1	1	0	10	2	1	27	18	5	25	48	120
Home Economics (M.Sc.)	25	15	40	12	1	1	0	10	2	1	27	17	5	25	47	114
International Relations (MA)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
Media & Communication Studies (MA)	50	15	65	12	1	1	0	10	2	1	27	23	5	25	53	145
Pakistan Studies (MA)	50	15	65	12	1	1	0	10	2	1	27	23	5	25	53	145
Political Science (MA)	60	15	75	12	1	1	0	10	2	1	27	26	5	25	56	158
Psychology (MA)	30	15	45	12	1	1	0	10	2	1	27	18	5	25	48	120
Psychology (M.Sc.)	40	15	55	12	1	1	0	10	2	1	27	21	5	25	51	133
Public Administration (MPA)	80	40	120	12	1	1	0	10	2	1	27	37	5	25	67	214
Public Policy (MA)	40	15	55	12	1	1	0	10	2	1	27	21	5	25	51	133
Social Work (MA)	50	15	65	12	1	1	0	10	2	1	27	23	5	25	53	145
Sociology (MA)	50	15	65	12	1	1	0	10	2	1	27	23	5	25	53	145
Women Development Studies (MA)	40	15	55	12	1	1	0	10	2	1	27	21	5	25	51	133
<b>TOTAL</b>	<b>705</b>	<b>250</b>	<b>955</b>	<b>180</b>	<b>15</b>	<b>15</b>	<b>0</b>	<b>150</b>	<b>30</b>	<b>15</b>	<b>405</b>	<b>343</b>	<b>75</b>	<b>375</b>	<b>793</b>	<b>2153</b>



**DISTRIBUTION OF ALLOCATED SEATS – FACULTY OF EDUCATION - 2023**

DISCIPLINE	Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Female Quota	Total Merit Seats	Sindh University Employees Quota	Affiliated College Employees Quota	Disabled Person Quota	Sports Quota	Wards of Shuhda Quota	Total Reserved Seats	Self Finance (Sindh Province)	Self Finance (Other Provinces)	Total Self- Finance Seats	Grand Total
B.Ed. Secondary (2.5 Year) Morning	70	15	15	100	10	2	1	1	1	15	30	5	35	150
B.Ed. Secondary (1.5 Year) Morning	70	15	15	100	10	2	1	1	1	15	30	5	35	150
One Year Post Graduate Diploma in Early Childhood Education (PGD-ECE) Morning	70	15	15	100	10	2	1	1	1	15	30	5	35	150
B.Ed. Secondary (2.5 Year) Weekend Programme														200
B.Ed. Secondary (1.5 Year) Weekend Programme														400
One Year Post Graduate Diploma in Early Childhood Education (PGD-ECE) Weekend Programme														100

**SEATS ALLOCATION FOR EVENING PROGRAMMES - 2023**

Bachelor Degree Programmes				
DISCIPLINE / SUBJECT		SEATS	DISCIPLINE / SUBJECT	SEATS
Banking And Finance	(BS)	100	English Language & Literature - Main Campus	(BS) 150
Business Administration (Main Campus)	BBA (HONS)	200	English Language & Literature - Old Campus	(BS) 100
Business Administration (Old Campus)	BBA (HONS)	120	Information Technology	(BS) 150
Chemistry	(BS)	100	Media And Communication Studies	(BS) 100
Commerce	(BS)	100	Medical Laboratory Technology	(BS) 100
Computer Science	(BS)	150	Physics	(BS) 100
Criminology	(BS)	150	Public Administration	(BS) 120
Doctor of Pharmacy	(PHARM-D)	110	Software Engineering	(BS) 100
English Applied Linguistics	(BS)	150	Zoology	(BS) 100
Master Degree Programmes				
DISCIPLINE / SUBJECT		SEATS	DISCIPLINE / SUBJECT	SEATS
Business Administration	(MBA)	300	English Language & Literature - Old Campus (MA)	50
Computer Science	(M.Sc)	50	Law (LLM)	100
Criminology	(M.Sc)	50	One Year Condensed Deficiency Course in Pharmacy	50
English Language & Literature - Main Campus	(MA)	100	Public Administration (MPA)	50
English Applied Linguistics (Main Campus)	(MA)	100	Post Graduate Diplomas (IT/CS/PA) (PGD)	50

### Distribution of Allocated Seats for Bachelor / Master Degree Programmes - Campus Wise - 2023

Dicipline		Quota / General Merit	Female Quota	Commerce Quota	Sindh University Empolyees Quota	Total Merit Seats	Self Finance Seats	Grand Total
Sindh University Laar Campus, Badin								
Business Administration	BBA (HONS)	50	10	0	2	62	15	77
Commerce	(BS)	50	10	0	2	62	15	77
Computer Science	(BS)	50	10	0	2	62	15	77
English Language and Literature	(BS)	50	10	0	2	62	15	77
Commerce	(M.Com)	50	10	0	2	62	15	77
Mohtarma Benazir Bhutto Shaheed, Sindh Unversity Campus, Dadu								
Business Administration	BBA (HONS)	50	10	0	0	60	15	75
English Language and Literature	(BS)	50	10	0	0	60	15	75
Information Technology	(BS)	50	10	0	0	60	15	75
Business Administration	MBA (Evening)	50						50
English Language and Literature	MA (Evening)	50						50
Sindh University Campus, Mirpurkhas								
Business Administration	BBA (HONS)	36	8	4	0	48	10	58
Commerce	(BS)	36	8	0	0	44	10	54
Computer Science	(BS)	36	8	0	0	44	10	54
English Language and Literature	(BS)	36	8	0	0	44	10	54
Information Technology	(BS)	36	8	0	0	44	10	54

**Distribution of Allocated Seats for Bachelor / Master Degree Programmes - Campus Wise - 2023**

Dicipline		Quota / General Merit	Female Quota	Commerce Quota	Sindh University Empolyees Quota	Total Merit Seats	Self Finance Seats	Grand Total
Sindh University Campus, Larkana								
Business Administration	BBA (HONS)	60	10	0	0	70	18	88
Computer Science	(BS)	60	10	0	0	70	18	88
English Language and Literature	(BS)	60	10	0	0	70	18	88
English Language and Literature	(MA)	50	10	0	0	60	15	75
Business Administration	MBA (Evening)	50						50
Sindh University Campus, Thatta								
Business Administration	BBA (HONS)	50	10	0	2	62	15	77
Computer Science	(BS)	50	10	0	2	62	15	77
English Language and Literature	(BS)	50	10	0	2	62	15	77
Commerce	(M.Com)	50	10	0	2	62	15	77
English Language and Literature	(MA)	50	10	0	2	62	15	77
Business Administration	MBA (Evening)	50						50
Coastal Zone Management	M.Sc (Evening)	50						50
Khan Bahadur Syed Allahando Shah Sindh University Campus, Naushehroferoze								
Business Administration	BBA (HONS)	50	10	0	0	60	15	75
English Language and Literature	(BS)	50	10	0	0	60	15	75
Information Technology	(BS)	50	10	0	0	60	15	75
English Language and Literature	(MA)	50	10	0	0	60	15	75
Business Administration	MBA (Evening)	50						50

Fee Structure For Bachelor Degree Programmes (Merit) - 2023 (Semester Wise)											
S #	CLASS	Admission Fee	Caution Money (Once)	Marks Certificate Verification Fee (Once)	Enrolment Card Fee (Once)	Student Identity Card Fee	Library Fee	Transport Fare	Tuition Fee	Examination Fee	Total Fees (Merit Category)
1	Bachelor (First Year) General Disciplines	2500	500	1500	1000	300	500	5000	6200	1000	18500
2	Bachelor (First Year) Quota Oriented Disciplines	2500	500	1500	1000	300	500	5000	6950	1000	19250
3	Doctor Of Pharmacy - First Professional (Pharm-D)	2500	500	1500	1000	300	500	5000	9200	1000	21500
4	Bachelor (Next Higher Classes) General Disciplines	2500	0	0	0	300	500	5000	6200	1000	15500
5	Bachelor (Next Higher Classes) Quota Oriented Disciplines	2500	0	0	0	300	500	5000	6950	1000	16250
6	Doctor Of Pharmacy (Next Higher Classes)	2500	0	0	0	300	500	5000	9200	1000	18500
7	BE (Electronic Engineering) and BE (Telecommunication Engineering)	Full Package (Per Semester)									25000
8	Law (LL.B)	Full Package (Per Semester)									40000

Note:- For First year, two semesters accumulated fees will be charged at once.

For proceeding years (Next higher classes), fees will be charged semester wise within 2 weeks of start of each semester.

Following fees will be charged separately.

- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed HSC-II examination from BISE Larkana / Sukkur / Karachi / any board of Sindh Province — Rs. 3000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed HSC-II examination from other Provinces / Fedral Boards – Rs. 4000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee for the Foreign Students – Rs. 6500/=
- ❖ Pakistan Pharmacy Council Registration Fee Rs. 1000/- shall be charged separately from Pharm-D Students (Once)
- ❖ Pakistan Bar Council Registration Fee Rs. 3000/- shall be charged separately from LL.B. Students (Once)
- ❖ Admission Form Fee (Next Higher Class) – Rs. 100/= (Per Year).

Fee Structure for Bachelor Degree Programmes - Merit (Morning) - 2023							
SUBJECT	1st Semester	3rd, 5th & 7th Semester	2nd, 4th, 6th & 8th Semester	SUBJECT	1st Semester	3rd, 5th & 7th Semester	2nd, 4th, 6th & 8th Semester
General Dicipines				General Dicipines			
Anthropology & Archaeology (BS)	18500	15500	15200	Mathematics (BS)	18500	15500	15200
Arabic (BS)	18500	15500	15200	Medical Laboratory Technology (BS)	18500	15500	15200
Art History (BAH)	18500	15500	15200	Microbiology (BS)	18500	15500	15200
Banking and Finance (BS)	18500	15500	15200	Muslim History (BS)	18500	15500	15200
B.Ed. Elementary	18500	15500	15200	Nutrition & Food Analysis (BS)	18500	15500	15200
Biochemistry (BS)	18500	15500	15200	Pakistan Studies (BS)	18500	15500	15200
Biotechnology (BS)	18500	15500	15200	Persian (BS)	18500	15500	15200
Botany (BS)	18500	15500	15200	Philosophy (B.A)	18500	15500	15200
Chemistry (BS)	18500	15500	15200	Physical Education (BS)	18500	15500	15200
Coastal and Marine Science (BS)	18500	15500	15200	Physics (BS)	18500	15500	15200
Commerce (BS)	18500	15500	15200	Physiology (BS)	18500	15500	15200
Communication Design (BCD)	18500	15500	15200	Political Science (BS)	18500	15500	15200
Comparative Religion (BS)	18500	15500	15200	Poultry Farming and Management (BS)	18500	15500	15200
Criminology (BS)	18500	15500	15200	Public Health (BS)	18500	15500	15200
Development Communication (BS)	18500	15500	15200	Psychology (BS)	18500	15500	15200
Disaster Management (BS)	18500	15500	15200	Public Administration (BS)	18500	15500	15200
Economics (BS)	18500	15500	15200	Rural Development Studies (BS)	18500	15500	15200
Economics and Finance (BS)	18500	15500	15200	Sindhi (BS)	18500	15500	15200
English Applied Linguistics (BS)	18500	15500	15200	Social Work (BS)	18500	15500	15200
English Language and Litratue (BS)	18500	15500	15200	Sociology (BS)	18500	15500	15200
English Language Teaching (BS)	18500	15500	15200	Statistics (BS)	18500	15500	15200
Environmental Sciences (BS)	18500	15500	15200	Textile Design (BTD)	18500	15500	15200
Fine Arts (BFA)	18500	15500	15200	Urdu (BS)	18500	15500	15200
Forensic Accounting & Fraud Examination (BS)	18500	15500	15200	Zoology (BS)	18500	15500	15200
Fresh Water Biology & Fisheries (BS)	18500	15500	15200	Quota Oriented Disciplines			
Gender Studies (BS)	18500	15500	15200	BBA (HONS)	19250	16250	15950
General History (BS)	18500	15500	15200	Computer Science (BS)	19250	16250	15950
Genetics (BS)	18500	15500	15200	Data Science (BS)	19250	16250	15950
Geography (BS)	18500	15500	15200	Information Technology (BS)	19250	16250	15950
Geology (BS)	18500	15500	15200	Software Engineering (BS)	19250	16250	15950
International Relations (BS)	18500	15500	15200	Pharmacy (PHARM-D) 5 Years Programme	22500	18500	18200
Islamic Studies (BS)	18500	15500	15200	LLB (Law) 5 Years Degree Programme	40000 (PER SEMESTER)		
Library & Information Science (BS)	18500	15500	15200	Electronic Engineering (BE)	25000 (PER SEMESTER)		
Media & Communication Studies (BS)	18500	15500	15200	Telecommunication Engineering (BE)	25000 (PER SEMESTER)		

Note:-

For First year, two semesters accumulated fees will be charged at once.

For proceeding years (Next higher classes), fees will be charged semester wise within 2 weeks of start of each semester.

**Following fees will be charged separately.**

- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed HSC-II examination from BISE Larkana / Sukkur / Karachi / any board of Sindh Province — Rs. 3000/= (Once)
- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed HSC-II examination from other Provinces / Fedral Boards — Rs. 4000/= (Once)
- ❖ Enrolment Card Fee & Eligibility Certificate Fee for the Foreign Students — Rs. 6500/= (Once)
- ❖ Admission Form Fee (Next Higher Class) — Rs. 100/= (Per Year).
- ❖ Pakistan Bar Council Registration Fee Rs 3000/- from LL.B. Students (Once)
- ❖ Pakistan Pharmacy Council Registration Fee Rs. 1000/- from Pharm-D Students (Once)



Fee Structure For Master Degree Programmes (Merit) - 2023 (Semester Wise)											
S#	CLASS	Admission Fee	Caution Money (Once)	Marks Certificate Verification Fee (Once)	Enrolment Card Fee (Once)	Student Identity Card Fee	Library Fee	Transport Fare	Tuition Fee	Examination Fee	Total Fee per Semester
1	Master (Previous) All General Disciplines	2500	500	1500	1000	300	500	5000	7700	1000	20000
2	MPA (Previous) Public Administration	2500	500	1500	1000	300	500	5000	9950	1000	22250
	M.Sc./M.C.S (Previous) Computer Science										
3	M.Sc (Previous) Home Economics	2500	500	1500	1000	300	500	5000	12700	1000	25000
	M.Sc (Previous) Development Studies										
5	Master (Final) All General Disciplines	2500	0	0	0	300	500	5000	7700	1000	17000
6	MPA (Final) Public Administration	2500	0	0	0	300	500	5000	9950	1000	19250
	M.Sc./M.C.S (Final) Computer Science										
7	M.Sc (Final) Home Economics	2500	0	0	0	300	500	5000	12700	1000	22000
	M.Sc (Final) Development Studies										
8	MBA (Hons.) Business Administration	Full Package (Per Semester)									25000

Note:- For First year, two semesters accumulated fees will be charged at once.

For proceeding years (Next higher classes), fees will be charged semester wise within 2 weeks of start of each semester.

**Following fees will be charged separately.**

- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed requisite degree from any university of Sindh Province other than University of Sindh — Rs. 3000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed requisite degree from any university of Pakistan other than Sindh Province — Rs. 4000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee for the Foreign Students — Rs. 6500/=
- ❖ Admission Form Fee (Next Higher Class) – Rs. 100/= (Per Year).

**Fee Structure for Bachelor Degree Programmes - Self Finance (Morning) - 2023**

SUBJECT	Sindh Province (Per Year)	Other Provinces (Per Year)	SUBJECT	Sindh Province (Per Year)	Other Provinces (Per Year)
Anthropology & Archaeology (BS)	80000	95000	Information Technology (BS)	110000	170000
Arabic (BS)	60000	85000	International Relations (BS)	70000	95000
Art History (BAH)	60000	85000	Islamic Studies (BS)	60000	85000
Banking and Finance (BS)	90000	105000	Library & Information Science (BS)	70000	95000
BBA (HONS)	110000	170000	LLB (Law) 5 Years Degree Programme	200000	250000
B.Ed. Elementary	60000	85000	Media & Communication Studies (BS)	70000	95000
Biochemistry (BS)	90000	105000	Mathematics (BS)	90000	105000
Biotechnology (BS)	90000	105000	Medical Laboratory Technology (BS)	90000	105000
Botany (BS)	90000	105000	Microbiology (BS)	90000	105000
Chemistry (BS)	90000	105000	Muslim History (BS)	60000	85000
Coastal and Marine Science (BS)	100000	160000	Nutrition & Food Science (BS)	90000	105000
Commerce (BS)	90000	105000	Pakistan Studies (BS)	70000	95000
Communication Design (BCD)	60000	85000	Persian (BS)	60000	85000
Comparative Religion (BS)	60000	85000	Pharmacy (PHARM-D) 5 Years Programme	140000	210000
Computer Science (BS)	110000	170000	Philosophy (BS)	60000	85000
Criminology (BS)	90000	105000	Physical Education (BS)	80000	95000
Data Science (BS)	110000	170000	Physics (BS)	90000	105000
Development Communication (BS)	60000	85000	Physiology (BS)	90000	105000
Disaster Management (BS)	60000	85000	Political Science (BS)	60000	85000
Economics (BS)	70000	95000	Poultry Farming and Management (BS)	90000	105000
Economics and Finance (BS)	70000	95000	Public Health (BS)	90000	105000
Electronic Engineering (BE)	225000	225000	Psychology (BS)	70000	95000
English Applied Linguistics (BS)	90000	130000	Public Administration (BS)	90000	105000
English Language and Literature (BS)	95000	135000	Rural Development Studies (BS)	60000	85000
English Language Teaching (BS)	90000	130000	Sindhi (BS)	60000	85000
Environmental Sciences (BS)	90000	105000	Social Work (BS)	60000	85000
Fine Arts (BFA)	60000	85000	Sociology (BS)	60000	85000
Forensic Accounting & Fraud Examination (BS)	90000	105000	Software Engineering (BS)	110000	170000
Fresh Water Biology & Fisheries (BS)	90000	105000	Statistics (BS)	90000	105000
Gender Studies (BS)	60000	85000	Telecommunication Engineering (BE)	225000	225000
General History (BS)	60000	85000	Textile Design (BTD)	60000	85000
Genetics (BS)	90000	105000	Urdu (BS)	60000	85000
Geography (BS)	80000	95000	Zoology (BS)	90000	105000
Geology (BS)	100000	160000			

**Note:-**

For First year, two semesters accumulated fees will be charged at once.

For proceeding years (Next higher classes), fees will be charged semester wise within 2 weeks of start of each semester.

Following fees will be charged separately.

- ❖ Enrolment Card Fee - students passed HSC-II examination from BISE Hyderabad / Mirpurkhas — Rs. 1000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed HSC-II examination from BISE Larkana / Sukkur / Karachi / any board of Sindh Province — Rs. 3000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed HSC-II examination from other Provinces / Federal Boards — Rs. 4000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee for the Foreign Students — Rs. 6500/=
- ❖ Admission Form Fee (Next Higher Class) — Rs. 100/= (Per Year).
- ❖ Pakistan Bar Council Registration Fee Rs 3000/- shall be charged separately from LL.B. Students (Once)

### Fee Structure for Master Degree Programmes - Self Finance (Morning) - 2023

SUBJECT	Sindh Province	Other Provinces	SUBJECT	Sindh Province	Other Provinces
	(Per Year)	(Per Year)		(Per Year)	(Per Year)
Actuarial Sciences (M.Sc.)	80000	100000	Islamic Studies (MA)	60000	85000
Arabic (MA)	60000	85000	Mathematics (M.Sc.)	90000	110000
Biochemistry (M.Sc.)	90000	110000	Media & Communication Studies (MA)	70000	95000
Biotechnology (M.Sc.)	90000	110000	Muslim History (MA)	60000	85000
Botany (M.Sc.)	90000	110000	Pakistan Studies (MA)	70000	95000
Business Administration MBA (Hons)	110000	150000	Persian (MA)	60000	85000
Chemistry (M.Sc.)	90000	110000	Philosophy (MA)	60000	85000
Commerce (M.COM)	90000	110000	Physics (M.Sc.)	90000	110000
Comparative Religion (MA)	60000	85000	Physiology (M.Sc.)	90000	110000
Computer Science (M.Sc.) / MCS	110000	150000	Political Science (MA)	60000	85000
Development Studies (M.Sc.)	100000	140000	Psychology (MA)	60000	85000
Economics (MA)	60000	85000	Psychology (M.Sc.)	70000	95000
English Applied Linguistics (MA)	90000	130000	Public Administration (MPA)	90000	110000
English Language and Literature (MA)	90000	130000	Sindhi (MA)	60000	85000
Environmental Sciences (M.Sc.)	90000	110000	Social Work (MA)	60000	85000
Fine Arts (MA)	60000	85000	Sociology (MA)	60000	85000
Fresh Water Biology & Fisheries (M.Sc.)	90000	110000	Statistics (M.Sc.)	90000	110000
General History (MA)	60000	85000	Urdu (MA)	60000	85000
Geography (M.Sc.)	80000	100000	Women Development Studies (MA)	60000	85000
Home Economics (M.Sc.)	100000	140000	Zoology (M.Sc.)	90000	110000
International Relations (MA)	70000	95000			

**Note:-**

For First year, two semesters accumulated fees will be charged at once.

For proceeding years (Next higher classes), fees will be charged semester wise within 2 weeks of start of each semester.

Following fees will be charged separately.

- ❖ Enrolment Card Fee - students passed last requisite degree from University of Sindh — Rs. 1000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed requisite degree from any university of Sindh Province other than University of Sindh — Rs. 3000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed requisite degree from any university of Pakistan other than Sindh Province — Rs. 4000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee for the Foreign Students — Rs. 6500/=
- ❖ Admission Form Fee (Next Higher Class) — Rs. 100/= (Per Year).

### FEE STRUCTURE FOR EVENING PROGRAMMES - 2023

CLASS	TOTAL FEE (PER YEAR)	PER SEMESTER	CLASS	TOTAL FEE (PER YEAR)	PER SEMESTER
<b>BACHELOR DEGREE PROGRAMMES</b>					
BANKING AND FINANCE (BS)	70000	35000	INFORMATION TECHNOLOGY (BS)	90000	45000
BOTANY (BS)	70000	35000	MATHEMATICS (BS)	70000	35000
BUSINESS ADMINISTRATION BBA (HONS)	90000	45000	MEDIA AND COMMUNICATION STUDIES (BS)	70000	35000
CHEMISTRY (BS)	70000	35000	MEDICAL LABORATORY TECHNOLOGY (BS)	70000	35000
COMMERCE (BS)	70000	35000	PHYSICS (BS)	70000	35000
COMPUTER SCIENCE (BS)	90000	45000	PUBLIC ADMINISTRATION (BS)	70000	35000
CRIMINOLOGY (BS)	70000	35000	SOFTWARE ENGINEERING (BS)	90000	45000
ENGLISH APPLIED LINGUISTICS (BS)	70000	35000	SOCIOLOGY (BS)	70000	35000
ENGLISH LANGUAGE AND LITERATURE (BS)	70000	35000	ZOOLOGY (BS)	70000	35000
FORESTRY (BS)	70000	35000	*DOCTOR OF PHARMACY - (PHARM-D)	120000	60000
<b>MASTER DEGREE PROGRAMMES</b>					
BUSINESS ADMINISTRATION (MBA)	105000	35000	LAW (LLM)	90000	45000
COMPUTER SCIENCE (M.Sc)	100000	50000	PHARMACY (CONDENSED COURSE)	100000	50000
CRIMINOLOGY (M.Sc)	80000	40000	PHYSICAL EDUCATION (BHPES / MHPES)	80000	40000
ENGLISH APPLIED LINGUISTICS (MA)	80000	40000	PUBLIC ADMINISTRATION (MPA)	80000	40000
ENGLISH LANGUAGE AND LITERATURE (MA)	80000	40000	ALL POST GRADUATE DIPLOMAS (EVENING)	60000	30000

**Note:-**

Examination fee Rs: 1000/= (per semester) is included in the above package.

**Following fees will be charged separately.**

- ❖ Pharmacy Council Registration fee from the Students of Pharm.D. Rs. 1000/- (Once).  
Enrolment card and Eligibility Certificate fees will be charged separately (Once)
- ❖ Enrolment Card Fee - students passed HSC-II examination from BISE Hyderabad / Mirpurkhas — Rs. 1000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed HSC-II examination from BISE Larkana / Sukkur / Karachi / any board of Sindh Province — Rs. 3000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee - students passed HSC-II examination from other Provinces / Federal Boards — Rs. 4000/=
- ❖ Enrolment Card Fee & Eligibility Certificate Fee for the Foreign Students — Rs. 6500/=
- ❖ Admission Form Fee (Next Higher Class) — Rs. 100/= (Per Year).
- ❖ Admission Form Fee LLM (Final Year) — Rs. 500/= (Per Year).



### Fee Structure for Faculty of Education, Elsa Kazi Campus, Hyderabad - 2023

S #	CLASS	Admission Fee	Caution Money	Marks Certificate Verification Fee	Student Identity Card Fee	Extra-Curricular Activities Fee	Library Fee	Laboratory Fee / Field Trip Fee	Research Dissertation Fee	Practice Teaching Lesson Fee & Lesson Plan Fee	Accreditation Fees	Tuition Fee	Examinations Fee	Total Fees
1	B.Ed. - SECONDARY (2.5 YEARS) - MORNING	FEES MAY BE PAID SEMESTER WISE (Rs: 15000/= Per Semester)												75000/=
2	B.Ed. - SECONDARY (2.5 YEARS) - (WEEKEND)	FEES MAY BE PAID SEMESTER WISE (Rs: 20000/= Per Semester)												100000/=
3	B.Ed. - SECONDARY (1.5 YEARS) - MORNING	FEES MAY BE PAID SEMESTER WISE (Rs: 15000/= Per Semester)												45000/=
4	B.Ed. - SECONDARY (1.5 YEARS) - (WEEKEND)	FEES MAY BE PAID SEMESTER WISE (Rs: 20000/= Per Semester)												60000/=
5	ONE YEAR POST GRADUATE DIPLOMA IN EARLY CHILDHOOD EDUCATION (PGDECE) - MORNING	FEES MAY BE PAID SEMESTER WISE (Rs: 25000/= Per Semester)												50000/=
6	ONE YEAR POST GRADUATE DIPLOMA IN EARLY CHILDHOOD EDUCATION (PGDECE) - (WEEKEND)	FEES MAY BE PAID SEMESTER WISE (Rs: 20000/= Per Semester)												40000/=

**Following fees will be charged separately.**

- Enrolment Card Fee - students passed last requisite degree from University of Sindh — Rs. 1000/=
- Enrolment Card Fee & Eligibility Certificate Fee - students passed requisite degree from any university of Sindh Province other than University of Sindh — Rs. 3000/=
- Enrolment Card Fee & Eligibility Certificate Fee - students passed requisite degree from any university of Pakistan other than Sindh Province — Rs. 4000/=
- Enrolment Card Fee & Eligibility Certificate Fee for the Foreign Students — Rs. 6500/=
- Admission Form Fee (Next Higher Class) – Rs. 100/= (Per Year).



### Fees Structure for Campuses of University of Sindh – 2023 (Per year)

S.NO	NAME OF CAMPUS	SINDH UNIVERSITY LAAR CAMPUS, BADIN (INCLUDING TRANSPORT FARE)	M.B.B.S, SINDH UNIVERSITY CAMPUS, DADU (EXCLUDING TRANSPORT FARE)	SINDH UNIVERSITY CAMPUS, MIRPURKHAS (EXCLUDING TRANSPORT FARE)	SINDH UNIVERSITY CAMPUS, LARKANA (EXCLUDING TRANSPORT FARE)	SINDH UNIVERSITY CAMPUS, THATTA (EXCLUDING TRANSPORT FARE)	KBSAS, SINDH UNIVERSITY CAMPUS, NAUSHEHROFEROZE (EXCLUDING TRANSPORT FARE)
<b>DISCIPLINES / DEGREE PROGRAMS</b>							
1	B.B.A (HONS) / BS (INFORMATION TECHNOLOGY / COMPUTER SCIENCE) FIRST YEAR	35200	25200	25200	25200	25200	25200
2	BS (ENGLISH LANGUAGE AND LITERATURE / COMMERCE) FIRST YEAR	33700	23700	23700	23700	23700	23700
3	M.A (PREVIOUS) ENGLISH LANGUAGE AND LITERATURE / M.COM (PREVIOUS) -	-	-	-	26700	26700	26700
4	B.B.A (HONS) / BS (INFORMATION TECHNOLOGY / COMPUTER SCIENCE) NEXT HIGHER CLASSES	32200	22200	22200	22200	22200	22200
5	BS (ENGLISH / COMMERCE / MATHEMATICS) NEXT HIGHER CLASSES	30700	20700	20700	20700	20700	20700
6	M.A (FINAL) ENGLISH LANGUAGE AND LITERATURE / M.COM (FINAL) -	-	-	-	23700	23700	23700

<b>M.B.A (EVENING) – SEMESTER WISE</b>	
PER SEMESTER FEE	35000/=

<b>M.A ENGLISH LANGUAGE AND LITERATURE (EVENING) – SEMESTER WISE</b>	
PER SEMESTER FEE	40000/=

**Note: - Following Fees will be charged separately.**

- Enrolment Card Fee for the Students of Sindh Province, Passing Last Examination from University of Sindh Rs. 1000/= (For Master Evening)
- Enrolment Card & Eligibility Certificate Fees for the Students of Sindh Province, Migrating/Passing Examination from other Boards/Universities out of Jurisdiction of the University of Sindh — Rs. 3000/=
- Enrolment Card & Eligibility Certificate Fees for the Students of other Provinces, Migrating/ Passing Examination from other Boards/Universities out of Jurisdiction of the University of Sindh — Rs. 4000/=
- Admission Form Fee (Next Higher Class) –Rs. 100/= (Per Year).

### Fee Structure for Foreign Nationals - 2023

ALL BACHELOR / MASTER DEGREE PROGRAMMES (Morning / Evening)	FULL PACKAGE (Per Year)
	US \$2000/=

*Note: On request of the students (Foreign Nationals), fees will be charged in two installments.*

### Fee Structure of Boys / Girls Hostels - 2023

S.No.	Contents	Total Fee (per year)
1.	For students of Sindh Province (Hostels without attach bath)	Rs. 5000/-
2.	For students of Sindh Province (Hostels with attach bath)	Rs. 6000/-
3.	For students of other Provinces	Rs. 15000/-
4.	For Foreign students	Rs. 25000/-

## NATIONAL FEE REFUND POLICY

Admission/other fees, once deposited for regular merit/ self-finance seat / evening program, shall not be fully refunded.

**In case of admission under regular merit category**, according to the National Level Fee-Refund Policy at Higher Education Institutions of Pakistan circulated by The Higher Education Commission (HEC) Islamabad vide letter No. 10-1 /HEC/A&C/2015/6542 Dated December 07, 2015.

### Percentage% of Fee

Full (100%) Fee Refund

Half (50%) Fee Refund

No Fee Refund (0%)

### Time Line for Semester System

Up to the 7<sup>th</sup> Day of Commencement of Classes

From 8<sup>th</sup> —15<sup>th</sup> Day of Commencement of Classes

From 16<sup>th</sup> day of Commencement of Classes

- % age of fee shall be applicable on all component of fee, except for security and admission charges.
- Timeline shall be calculated continuously, covering both weekdays and weekend.

However, whereas applicant who has applied both for the regular merit seats as well as on Self Finance basis, and if he/ she is selected as regular **candidate on merit** in any list then the Self Finance fee if deposited, shall be refunded in full by **crossed-cheque only** or if willing adjusted in future fees provided he/ she submits in **writing his/ her choice to this effect within seven days of the announcement of the list**. Similarly if the candidate exercising choice, opts for any **Evening Program** seat then the fees paid for merit seat will be **transferred**, provided the choice is exercised within **Seven days**.

**In case of admission under Self Finance**, 70% amount of Self Finance fees (dis-counting installment) be refunded to only those students who get their admission cancelled at their own written request within 30 days from the date of commencement of classes. No refund will be allowed after the expiry of one month.

**In case of admission in Evening Program**, 70% amount of fees (after deduction of registration fee) will be refunded to only those students who get their admission cancelled at their own written request within 30 days from the date of commencement of classes. No refund will be allowed after the expiry of one month.

# FACULTY OF ARTS

The Faculty of Arts was the first faculty of the University where teaching started in 1951. First it was comprised of disciplines including Commerce, Education, Islamic Studies, Law and Social Sciences which were later on raised to independent Faculty status. The Faculty of Arts offers Bachelor, Master, M.Phil & Ph.D programmes.

The Faculty of Arts comprises:-

1. Institute of Art & Design
2. Institute of English Language & Literature
3. Institute of Languages (Arabic & Persian)
4. Department of Philosophy
5. Department of Sindhi
6. Department of Urdu

## PROGRAMMES

Arabic	Fine Arts
Persian	Textile Design
English	Communication Design
Sindhi	Art History
Urdu	Philosophy



**Prof. Dr. Syed Javed Iqbal**  
Dean  
Ph.D. (S.U)



## INSTITUTE OF ART AND DESIGN

The Institute of Art & Design is an extension of the Department of Fine Arts, which was established as the first Arts department at a public university in Sindh. The Department of Fine Arts was set up in 1970 by the famous Artist Professor A.R. Nagori at the Allama I.I. Kazi Campus of University of Sindh, Jamshoro. Initially, a two-year bachelor degree BA (Pass) in Fine Arts was introduced in 1985, two-year MA (Pass) in Fine Arts degree was also launched. According to the job market and demand of the field of utilitarian design in Pakistan, in 2005, design degree was also introduced at the University of Sindh, the Institute Art & Design was launched with 04 departments such as Department of Fine Arts, Department of Communication Design, Department of Textile Design, Department of Art History. The updated four-year Bachelor's degree Programmes were introduced in art and design both disciplines i.e. BFA (Bachelor of Fine Arts), BA (Art History), and BA Design (Textile and Communication). The selection criteria in the discipline of art and design is based on the aptitude test of the University of Sindh. All selected students are enrolled in individual bachelor's degree programmes; however, the foundation year is same for all disciplines. A new addition to the Institute of Art & Design is the Department of Indus Valley Music and Theatre, the one-year diploma course will be offered in Music and Theatre studies later this year.

In 2019, the syllabus of Fine Arts and Communication Design were revised and approved according to professional market as well as according to HEC requirements.

In addition to revision of courses, the new syllabus for Four-Year Undergraduate Degree in Bachelor of Design (Ceramics Design and Glazed Pottery) (Under Semester System) 08 Semesters, 04 years Programme has also been approved for new admissions at the University of Sindh.

### The teaching faculty comprises the following:

**Mangi, Saeed Ahmed, Associate Professor and Director**  
MMA (Master Multimedia Arts) 2005 NCA, Lahore.  
MA (Fine Arts) (S.U) 1994, BA (Fine Arts) (S.U) 1992

**Baloch, Waheeda Bano, Associate Professor**  
MA (Fine Arts) (S.U) 2000, Master, Stockholm University Sweden 2013

**Khilji, Naimatullah, Assistant Professor**  
MA (Fine Arts) (S.U) 1994, BA Fine Arts 1992 (S.U)

**Khaskhali, Ghulam Qasim, Assistant Professor**  
MA (Fine Arts) (S.U) 1994, BA Fine Arts 1992 (S.U)

**Rashdi, Pir Najeebullah, Assistant Professor**  
MA Visual Art (NCA, Lahore), MA (Fine Arts) (S.U) 1998, BA (Fine Arts) (S.U)

**Jamali, Nadir Ali, Assistant Professor**  
Bachelor of Fine Art (NCA Lahore) – 1996

**Shiakh, Erum Fazal, Lecturer**  
B. Design (Communication Design), CEAD (MUET) 2004, MBA, Inst: of Southern Punjab, Multan 2021

**Khilji, Samreen, Lecturer**  
B. Design (Communication Design), IAD, S.U, Jamshoro – 2008, Master in Media Science (Film & TV) (MMSF & TV) Iqra University Karachi 2022

**Abro, Rabella, Lecturer**  
B. Design (Communication Design), CEAD, MUET, Jamshoro-2008

**Mirani, Hisamuddin, Lecturer**  
B. Design (Communication Design), CEAD (MUET) 2008, M.Phil.(SU) 2022

**Shaikh, Sabeen Naeem, Lecturer**  
B. Design (Communication Design), IAD, S.U, Jamshoro – 2008, Master in Media Science (Film & TV) (MMSF & TV) Iqra University Karachi 2022



**Foundation courses for Bachelor of Fine Arts, Bachelor of Communication Design,  
Bachelor of Textile Design, Bachelor of Art History**

**04 Years Degree Programme (08 Semesters) CH-146 each**

Pre-requisite: H.S.C., Pre-Entry Test and Aptitude Test are must for the admission.

**FOUNDATION (FIRST YEAR) (FIRST SEMESTER)**

Course No.	Course Title	Credit Hours	
		Studio	Theory
FD 370	Foundation Drawing-I	03	--
FD 371	Foundation Design-I	02	--
FD 372	Foundation Sculpture-I	02	--
FD 373	Foundation Drafting-I	02	--
FD 310	Introduction to Visual Arts		02
FD 314	Art Appreciation		02
ENGL 300	English		03
IS 302	Islamic Studies		02

**FOUNDATION (FIRST YEAR) (SECOND SEMESTER)**

Course No.	Course Title	Credit Hours	
		Studio	Theory
FD 380	Foundation Drawing-II	03	--
FD 381	Foundation Design-II	02	--
FD 382	Foundation Sculpture-II	02	--
FD 383	Computer Graphic Skills	02	--
FD 315	Visual Communication Theory		02
FD 313	History of Culture		02
ENGL 301	English		03
IS 303	Pakistan Studies		02

**BACHELOR OF FINE ARTS**

**2<sup>ND</sup> YEAR, 1<sup>ST</sup> SEMESTER**

Course No.	Course Title	Credit Hours	
		Studio	Theory
Sind 402	Sindhi/Urdu	--	02
FA 412	History of Art and Architecture (Western Art)	--	02
FA 413	History Islamic Art	--	02
FA 420	Painting – I	02	--
FA 421	Drawing- I	02	--
FA 422	Printmaking – I	02	--
FA 424	Sculpture Studio – I	02	--
FA 425	Philosophy of Art	02	02

**2<sup>ND</sup> YEAR, 2<sup>ND</sup> SEMESTER**

Course No.	Course Title	Credit Hours	
		Studio	Theory
402	Sindhi/Urdu	--	02
FA 430	Drawing- II	02	--
FA 431	Painting – II	02	--
FA 432	Printmaking – II	02	--
FA 433	Miniature Painting –II	02	--
FA 434	Ceramics	02	--
FA 435	History of Art and Architecture- II	--	02
FA 436	South Asian Art	--	02
FA 437	Computer Skills	02	

### **BACHELOR OF FINE ARTS**

#### **3<sup>RD</sup> YEAR, 1<sup>ST</sup> SEMESTER**

Course No.	Course Title	Credit Hours	
		Studio	Theory
FA 555	Painting – I (Advanced)	06	--
	Printmaking – I (Advanced)		--
	Sculpture – I (Advanced)		--
	Miniature Painting – I (Advanced)		--
FA 556	Ceramic-1 (Minor)	02	--
FA 557	Drawing-III	02	--
FA 558	History of Arts – III 20th century Art	--	02
FA 559	Art Seminar-1	--	02
FA 570	History of Indo-Pak Art	--	02
FA 571	Elective-1	02	

**Note: Students can opt one elective course for 1st semester 3rd year with 2 Credit Hours from the following Subjects.**

Elective subjects for First Semester 3<sup>RD</sup> year Fine Arts

- FA 571 Textile Design/weaving
- FA 571 Miniature Painting
- FA 571 Photography-I
- FA 571 Ceramics-II
- FA 571 Printmaking
- FA 571 Computer Graphics
- FA 571 Sculpture-III
- 2 Credit Hour, 4 to 6 weeks Internship (Compulsory), Student has to get letter from Institute for Getting Internship Program at any related organization and has to complete it during the summer vacation before the starting of Second Semester of 3rd year in which the marks will be counted through evaluation.

### **BACHELOR OF FINE ARTS**

#### **3<sup>RD</sup> YEAR, 2<sup>ND</sup> SEMESTER**

Course No.	Course Title	Credit Hours	
		Studio	Theory
FA 575	Painting – II (Advanced)	06	--
	Printmaking – II (Advanced)		--
	Sculpture – II (Advanced)		--
	Miniature Painting – II (Advanced)		--
FA 576	Photography (Minor-2)	02	--
FA 577	Drawing-IV	02	--
FA 578	History of Arts –IV	--	02
FA 579	Fine Art Seminar II	--	02
FA 580	Elective-II	02	--
FA 581	Internship	02	

**Note:**

- Students can opt one elective course for 2<sup>nd</sup> semester as 3<sup>rd</sup> year with 2 Credit Hours from the following Subjects.
- 2 Credit Hour, 4 to 6 weeks Internship (Compulsory), Student has to get letter from Institute for Getting Internship Program at any related organization and has to complete it during the summer vacation before the starting of Second Semester of 3rd year in which the marks will be counted through evaluation.

**Elective subjects for First Semester 3<sup>rd</sup> year Fine Arts**

- FA 580 Textile Design/weaving
- FA 580 Miniature Painting-III
- FA 580 Photography-II
- FA 580 Ceramics-III
- FA 580 Printmaking-III
- FA 580 Sculpture-III

## **BACHELOR OF FINE ARTS**

### **4<sup>TH</sup> YEAR, 1<sup>ST</sup> SEMESTER**

Course No.	Course Title	Credit Hours	
		Studio	Theory
FA 656	Painting (Mini Thesis)	09 each	--
	Printmaking (Mini Thesis)		--
	Sculpture (Mini Thesis)		--
	Miniature Painting (Mini Thesis)		--
			--
FA 657	Research Methodology	--	02
FA 658	Contemporary Art of Pakistan (Seminar)	--	02
FA 659	Elective-III	--	02

**Note:**

Mini Thesis may be transferred to Final Year Thesis project as per Advised/Approval by the Thesis committee in first Jury.

### **4<sup>TH</sup> YEAR, 2<sup>ND</sup> SEMESTER (THESIS)**

Course No.	Course Title	Credit Hours	
		Studio	Theory
FA 664	Painting Thesis	12 each	--
	Printmaking Thesis		--
	Sculpture Thesis		--
	Miniature Painting Thesis		--
			--
FA 665	Viva Voce	--	02

## **BACHELOR OF COMMUNICATION DESIGN**

### **2<sup>ND</sup> YEAR, 1<sup>ST</sup> SEMESTER**

Course No.	Course Title	Credit Hours	
		Studio	Theory
CD 440	Visual Communication Design – I	02	01
CD 432	Computer Graphics – I	03	--
CD 434	Drawing for Design –I	02	--
CD 443	Typography & Layout –I	02	--
CD 414	History of Art & Architecture – I	--	02
SIND 402	Sindhi / Urdu	--	02
	Elective	02	--

### **2<sup>ND</sup> YEAR, 2<sup>ND</sup> SEMESTER**

Course No.	Course Title	Credit Hours	
		Studio	Theory
CD 450	Visual Communication Design – II	02	01
CD 436	Computer Graphics – II	03	--
CD 438	Drawing for Design –II	02	--
CD 453	Typography & Layout –II	02	--
CD 415	History of Art & Architecture – II	--	02
SIND 403	Sindhi / Urdu	--	02
	Elective	02	--

#### **Elective subjects for (2nd Year 1st Term)**

1. Textile Design – I
2. Painting – I
3. Print Making – I
4. Miniature Painting – I
5. Sculpture Studio – I
6. Ceramic –I

#### **Elective Subjects for (2nd Year 2nd Term)**

1. Textile Design – II
2. Painting – II
3. Print Making –II
4. Miniature Painting –II
5. Sculpture Studio – II
6. Ceramic –II

### BACHELOR OF COMMUNICATION DESIGN

#### 3<sup>RD</sup> YEAR, 1<sup>ST</sup> SEMESTER

Course No.	Course Title	Credit Hours	
		Studio	Theory
CD 550	Visual Communication Design – III	03	01
CD 551	Illustration – I	03	--
CD 552	Print Design – I	03	--
CD 576	Photography – I	03	--
CD 510	History of Design –I	--	02
CD 512	Advertising and Marketing	--	02

#### 3<sup>RD</sup> YEAR, 2<sup>ND</sup> SEMESTER

Course No.	Course Title	Credit Hours	
		Studio	Theory
CD 560	Visual Communication Design – IV	03	01
CD 561	Illustration – II	03	--
CD 562	Print Design – II	02	--
CD 587	Photography – II	02	--
CD 516	History of Design –II	--	02
CD 517	Research Methodology	--	02
CD 588	Internship	03	

### BACHELOR OF COMMUNICATION DESIGN

#### 4<sup>TH</sup> YEAR, 1<sup>ST</sup> SEMESTER

Course No.	Course Title	Credit Hours	
		Studio	Theory
CD 640	Visual Communication Design – V	03	01
CD 673	Animation	03	--
CD 641	Interaction Design	02	01
CD 642	Design Portfolio	02	--
CD 610	Media Theory	--	02
CD 611	Visual Thinking	--	02

#### 4<sup>TH</sup> YEAR, 2<sup>ND</sup> SEMESTER

Course No.	Course Title	Credit Hours	
		Studio	Theory
CD 612	Communication Design (Seminar)	--	02
CD 681	Thesis Project	12	--
CD 683	Written Thesis /Dissertation	--	02

### BD (Textile)-II BACHELOR OF TEXTILE DESIGN - SECOND YEAR

Third Semester		C.H	Fourth Semester		C.H
ENGL 400	English	3	ENGL 401	English	3
SIND 402	Urdu/Sindhi	2	SIND 402	Urdu/Sindhi	2
TD 411	Introduction to History of Art (Classical to Contemporary)	2	TD 414	Introduction to Fibers	2
TD 449	Dye Techniques-I	2	TD 453	Textile Design-II	3
TD 450	Textile Designing-I	3	TD 454	Weaving-II	3
TD 451	Weaving-I	2	TD 455	Dye Techniques-II	2
TD 452	Print Design-I	2	TD 456	Print Design –II	2

### BD (Textile)-III BACHELOR OF TEXTILE DESIGN –THIRD YEAR

Fifth Semester		C.H	Sixth Semester		C.H
TD 503	History of Textile Design-I	2	TD 508	Textile Technology	2
TD 504	Psychology	2	TD 509	History of Textile Design-II	2
TD 579	Block Printing	3	TD 590	Fashion Illustration –I	3
TD 580	Textile Design-III CAD)	3	TD 591	Textile Design-IV (CAD)	3
TD 581	Weaving-III	3	TD 592	Screen Printing	3
TD 582	Embroidery	3	TD 593	Weaving –IV	3
			TD 594	Internship	2

**BD (TEXTILE)-IV BACHELOR OF TEXTILE DESIGN-FOURTH YEAR**

B.D (TEXTILE) IV BACHELOR OF TEXTILE DESIGN-FOURTH YEAR					
Seventh Semester			C.H		
TD 614	History of Textile Design-III	2	TD 618	Textile Design Seminar	2
TD 615	Marketing & Merchandising	2	TD 696	Thesis Project	12
TD 685	Field Work Project	4	TD 698	Written Thesis and	2
TD 686	Weaving –V	4		Viva Voce	
TD 687	Textile Design-V (CAD)	4			
TD 688	Fashion Illustration-II	4			

**BA (Art History) BACHELOR OF ART & HISTORY - FOURTH YEAR**

Seventh Semester			C.H			Eight Semester			C.H		
AH 625	History of Islamic Art and Design-II- 1200AD to 1600 AD	4	AH 629	Impressionism and Post Impressionism	4						
AH 626	Renaissance Art	4	AH 630	Early 20th Century Art	4						
AH 627	Baroque and Rococo Art	4	AH 631	Post Modernism and Contemporary Art	4						
AH 628	Early 19th Century Art Movements	4	AH 632	Thesis Project	6						

**BA (Art History) BACHELOR OF ART HISTORY - SECOND YEAR**

BA (Art History) BACHELOR OF ART HISTORY - SECOND YEAR							
Third Semester			C.H	Fourth Semester			C.H
ENG 400	English	3	ENG 401	English	2		
S/U 402	Sindhi/Urdu	2	S/U 402	Sindhi/Urdu	2		
FA 410	History of South Asian Arts and Design	2	FA 425	Drawing-IV	3		
			FA 426	Painting-IV	3		
FA 415	Drawing -III	3	AH 455	Introduction to History of	3		
FA 416	Painting -III	3		Western Art			
AH 451	Art and Crafts of Indus Valley Civilization-I	4	AH 455	History of Art and Craft in Pakistan	3		
			AH 456	Contemporary Art of Pakistan and India	3		

**MA (FINE ARTS): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66**

Pre-requisite, BA (Pass) Fine Arts Degree.

**MA (PREVIOUS)**

First Semester			C.H	Second Semester			C.H
FA 500	History of Muslim Painting/ Architecture – I	3		FA 506	History of Muslim Painting/ Architecture – II	3	
FA 501	History of Western Art	3		FA 507	Painting	4	
FA 502	Painting	4		FA 508	Drawing	3	
FA 503	Drawing	3		FA 509	History of Western Art	3	
FA 504	Sculpture - III	3					
FA 505	Graphic Design - Printmaking	3					

**BA (Art History) BACHELOR OF ART HISTORY-THIRD YEAR**

BA (Art History) / BACHELOR OF ART HISTORY - THIRD YEAR					
Fifth Semester		C.H	Sixth Semester		C.H
AH 525	History of Islamic Art and Design-I- (622 AD to 1200 AD)	4	AH 530	Traditional Materials and Techniques of Visual Arts	3
AH 526	Egyptian Art and Architecture	4	AH 531	Greek Art	4
AH 527	Art and Craft of Indus Valley Civilization-II	4	AH 532	Roman Art	4
			AH 533	Early Christian and Byzantine Art	4
AH 528	Mughal Miniature Painting	4	AH 534	Indian Art, various schools	3

**MA (FINAL)**

Third Semester			C.H	Fourth Semester			C.H
FA 600	Sculpture – IV	3		FA 604	History of Western Art	3	
FA 601	History of Western Art	3		FA 605	Graphic Design – II	3	
FA 602	Painting	4		FA 606	Painting Thesis	8	
FA 603	Drawing	3		FA 607	Drawing	3	
				FA 608	Final Exhibition	2	
				FA 609	Comprehensive Viva – Voce	2	



**MA (ART EDUCATION): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66  
(EVENING)**

Pre-requisite, BA (Pass) Fine Arts Degree.

**MA PREVIOUS**

<i>First Semester</i>	<i>C.H</i>	<i>Second Semester</i>	<i>C.H</i>
ARTED 501 History of Pakistani Art and Artists	3	ARTED 506 Introduction to Islamic Art and Design	3
ENGL. Remedial English	N/C	ENGL. Remedial English	N/C
ARTED 502 Drawing-I	3	ARTED 507 Drawing-II	3
ARTED 503 Painting-I	3	ARTED 508 Painting II (Illustration)	3
ARTED 504 Basic Design	3	ARTED 509 Introduction to Printmaking	3
ARTED 505 Introduction to Computer Graphics	3	ARTED 510 Computer Added Design	3

**MA FINAL**

<i>Third Semester</i>	<i>C.H</i>	<i>Fourth Semester</i>	<i>C.H</i>
ARTED 601 Introduction to Indian and Mughal Art	3	ARTED 607 Introduction to Western Art	3
ARTED 602 History of Arts and Crafts of Sindh	3	ARTED 608 Drawing-IV	3
ARTED 603 Drawing-III	3	ARTED 609 Painting-IV	3
ARTED 604 Painting-III	3	ARTED 610 Introduction to Photography	3
ARTED 605 Sculpture and Ceramics	3	ARTED 611 Written Thesis	3
ARTED 606 Traditional Arts and Crafts	3	ARTED 612 Final Exhibition and Viva Voce	3

**DIPLOMA IN MUSIC & PERFORMING ARTS (DM) (EVENING) ONE YEAR DIPLOMA PROGRAMME (02 SEMESTERS) CH-34**

Pre-requisite: S.S.C. or equivalent.

<i>First Semester</i>	<i>C.H</i>	<i>Second Semester</i>	<i>C.H</i>
DM 101 Introduction to Sindh Music	3	DM 106 History of Music	3
DM 102 Introduction to Sindh Music Instrument	3	DM 107 Sindhi Music Instruments	3
DM 103 Vocal Performance	3	DM 108 Vocal Performance	3
DM 104 Sindhi Tall System	3	DM 109 Sindhi Tall System	3
DM 105 Shah jo Raag	3	DM 110 Shah jo Raag	3
		DM 111 Thesis Performance	4

## INSTITUTE OF ENGLISH LANGUAGE AND LITERATURE

The Institute of English Language and Literature was established in 1953 as Department of English. It has produced a good number of scholars, intellectuals, teachers, journalists, officers and personnel of higher caliber, who served and are serving at the Federal and Provincial level in Pakistan and abroad also.

The Institute introduced four-year Bachelor English programmes in 2009, replacing three-year (Hons.) programmes. The syllabi revised as per HEC Curriculum Committee proposal, have been recommended for adoption by the Board of Faculty of Arts and approved by all the statutory bodies. In addition, the Institute started Masters in Linguistics from the year 2009.

The Department of English was upgraded as Institute of English Language and Literature (IELL), in 2007. Currently, it offers BS (4 years) and Masters (2 years) in English Language & Literature and English Applied Linguistics. In addition, the IELL offers M.Phil. and Ph. D degrees in both disciplines. The Number of Ph.D. faculty members are around 20. The majority of them have earned degrees from the UK.

### The teaching faculty comprises the following:

**Memon, Rafique Ahmed, Professor and Pro-Vice Chancellor S.U Campus, Thatta**  
MA (SU) 1990, M.Ed. 1995 TESOL, Ph.D. TESOL, 2006 (Leeds), UK

**Sangi, Muhammad Khan, Professor and Director**  
MA (S.U.) 1994, DipTEIL (AIU) 1997, Ph.D. (S.U.) 2009

**Soomro, Abdul Fatah, Professor**  
MA (S.U.) 2000, Ph.D. (Leicester, UK) 2013

**Umrani, Tariq Hassan, Professor**  
MA (S.U.) 1999, MA TESOL (Leicester, UK) 2009, Ph.D. (Swansea, UK) 2014

**Bughio, Faraz Ali, Professor (On lien)**  
MA (S.U.) 2000, MA ELT (Sussex, UK) 2008, Ph.D. (Sussex, UK) 2013

**Shaikh, Ambreen Shahriar, Associate Professor (On Lien)**  
MA (S.U.) 2002, MA Applied Linguistics and TESOL (Leicester, UK) 2007, Ph.D. (Goldsmiths, UK) 2013

**Ansari, Komal, Associate Professor**  
MA (S.U.) 2002, Ph.D. (Bedfordshire, UK) 2015

**Ansari, Sanaullah, Associate Professor**  
MA (S.U.) 2001, Ph.D. (Bedfordshire, UK) 2015

**Umrani, Sumera, Associate Professor**  
MA (S.U.) 2005, M.Sc. (Edinburgh, UK) 2011, Ph.D. (Edinburgh, UK) 2016

**Memon, Shumaila, Associate Professor (On Lien)**  
MA (S.U.) 2006, Ph.D. (Bedfordshire, UK) 2015

**Panhwar, Abdul Hameed, Associate Professor**  
MA (S.U.) 2002, Ph.D. (Anglia Ruskin University, UK) 2016

**Panhwar, Farida Yasmeen, Assistant Professor**  
MA (S.U.) 1988, Ph.D. (Sussex, UK)

**Buriro, Ghulam Ali, Assistant Professor**  
MA (S. U) 1995, Diploma in Civics Education (USA) 2005, M.Phil. (Hamdard University, Karachi) 2013, Ph.D. (Hamdard University, Karachi) 2017

**Khokhar, Samina Abbas, Assistant Professor**  
MA (S.U.) 2002, Ph.D. (S.U) 2020

**Qadri, Shafqat Ali, Assistant Professor**  
MA Literature (S.U.) 2004, MA Linguistics (KU) 2006, MS (New Zealand) 2010

**Ranjhani, Ishrat, Assistant Professor**  
MA (S.U) 2002, M.Phil. English Literature (S.U) 2018

**Shaikh, Ghazal, Assistant Professor**  
MA (SU) 2007, MA (University of York, UK) 2013, Ph.D. (University of York, UK) 2017

**Lashari, Mubarak Ali, Assistant Professor**  
MA (SALU) 2003, M.Phil. Linguistics (IIU, Islamabad) 2010, Ph.D. (IIU, Islamabad) 2017

**Malik, Waseem, Assistant Professor**  
MA Literature (SU) 2004, M.Phil. English Literature (BZU, Multan) 2009, Ph.D. (S.U) 2020

**Chandio, Saira Niaz, Assistant Professor**  
MA English Literature (SU) 2007, DIP English (NUML Islamabad) 2009, MA ELT (NUML Islamabad) 2010, M.Phil. (IQRA University Karachi)

**Gopang, Illahi Bux, Assistant Professor**  
MA (SU) 2006, M.Phil. (SU) 2016, Ph.D. (S.U) 2020

**Buriro, Ghulam Saqib, Assistant Professor**  
MA (NUML Islamabad) 2007, M.Phil. (UOA New Zealand) 2012

**Brohi, Faiz Muhammad, Assistant Professor (Adhoc)**  
MA (SU) 2006, Ph.D. English Literature (S.U) 2018

**Rind, Ume Kulsoom, Assistant Professor**  
MA (English Literature) 2010, Ph.D. (S.U) 2020

**Memon, Nazish, Lecturer**  
MA (SU) 2010, M.Phil. English Linguistics (S.U.) 2018

Shah, Uzma, Lecturer

MA (SU) 2010, M.Phil.

Jaffery, Saima, Lecturer (On study leave)

MA (SU) 2010, Ph.D.

Shah, Shoaib Ahmed, Lecturer

MA English Literature (SU), MA English Linguistics (KU), M.Phil (MUET) 2022

Baloch, Paras, Lecturer (On study leave)

MA (SU) 2005

Bhanbhro, Sumera, Lecturer

MA (SU) 2005, M.Phil. English Literature (S.U.) 2018

Abro, Bakhtawar, Lecturer

BS English (SU) 2012, MS Applied Linguistics (MUET) 2017

Abbasi, Ghulam Muhammad, Lecturer

MA English Linguistics (SU)

Shaikh, Marvi, Lecturer

BS (English) 2012, M.Phil. English Linguistics 2018

Khaskheli, Mehtab, Lecturer (On study leave)

MA (SU) 2008, M. Phil. English Literature (SU) 2018

Chandio, Fozia, Lecturer (On study leave)

MA (English) (S.U.) 2007, M.Phil. English Literature 2018

**BS (ENGLISH APPLIED LINGUISTICS): 04 YEARS (8 SEMESTERS) DEGREE PROGRAMME CH-133 (MORNING AND EVENING)**

Pre-requisite: H.S.C. or equivalent: Pre-Entry Test.

**FIRST YEAR (APPLIED LINGUISTICS)**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
ENGL 300 Functional English-I	3	ENGL 301 Functional English-II	3
ENGL 310 Academic Writing	3	ENGL 311 Language Skills	3
ENGL 312 Introduction to Linguistics –I	3	ENGL 313 Introduction to Linguistics –II	3
Islamic Studies	2	Pakistan Studies	2
Minor – I	3	Minor – I	3
Minor – II	3	Minor – II	3

**SECOND YEAR (APPLIED LINGUISTICS)**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
ENGL 400 English Compulsory-I	3	ENGL 401 English Compulsory-II	3
ENGL 410 History of English Language	3	ENGL 411 History of English Language-II	3
ENGL 412 Phonetics and Phonology	3	ENGL 413 English Syntax	3
Sindhi/ Urdu/Add.English	3	Sindhi/ Urdu/Add.English	3
Minor – I	3	Minor – I	3
Minor – II	3	Minor – II	3

**THIRD YEAR (APPLIED LINGUISTICS)**

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
ENGL 550 Language Learning Theories	3	ENGL 555 English Language	3
ENGL 551 Language Planning and Policy	3	ENGL 556 Semantic and Pragmatics	3
ENGL 552 History of Modern Linguistics	3	ENGL 557 English for Specific	3
ENGL 553 Corpus Linguistics	3	ENGL 558 Sociolinguistics	3
ENGL 554 Language Teaching through Literature	3	ENGL 559 Issues in Applied	3

**FOURTH YEAR (APPLIED LINGUISTICS)**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eight Semester</i>	<i>C.H.</i>
ENGL 650 Syllabus Design and Material Development	3	ENGL 655 Intercultural	3
ENGL 651 Testing & Evaluation	3	ENGL 656 Discourse Analysis	3
ENGL 652 Micro Teaching	3	ENGL 657 Linguistics Survey of Pakistan	3
ENGL 653 Varieties of English	3	ENGL 658 Pedagogical Grammar	3
ENGL 654 Research Methodology	3	ENGL 659 Dissertation/ELT in Pakistan	3
		ENGL 660 Viva-Voce	3

**BS (ENGLISH LANGUAGE AND LITERATURE): 04 YEARS (8 SEMESTERS) DEGREE PROGRAMME CH-133 (MORNING AND EVENING)**

Pre-requisite: H.S.C. or equivalent: Pre-Entry Test.

**FIRST YEAR (ENGLISH LANGUAGE & LITERATURE)**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
ENGL 300 Functional English-I	3	ENGL 301 Functional English-II	3
ENGL 310 Introduction to English Literature	3	ENGL 311 Language Skills	3
ENGL 312 Academic Writing	3	ENGL 313 Introduction to Linguistics	3
Islamic Studies (Compulsory)	2	Pakistan Studies (Compulsory)	2
Minor – I	3	Minor – I	3
Minor – II	3	Minor – II	3

### SECOND YEAR (ENGLISH LANGUAGE & LITERATURE)

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
ENGL 400 English Compulsory-I	3	ENGL 401 English Compulsory-II	3
ENGL 410 English Poetry-I	3	ENGL 411 History of English Language	3
ENGL 412 Prosody and Literary Terms	3	ENGL 413 English Poetry-II	3
Sindhi/ Urdu/Add.English	3	Sindhi/ Urdu/Add.English	3
(Compulsory)		Minor – I	3
Minor – I	3	Minor – II	3
Minor – II	3		

### THIRD YEAR (ENGLISH LANGUAGE & LITERATURE)

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
ENGL 500 History of English Literature-I	3	ENGL 505 History of English Literature-II	3
ENGL 501 English Drama-I	3	ENGL 506 English Drama-II	3
ENGL 502 Literary Criticism-I	3	ENGL 507 Literary Criticism-II	3
ENGL 503 English Prose-I	3	ENGL 508 English Prose-II	3
ENGL 504 Introduction to Pakistani Literature in English	3	ENGL 509 English Language Teaching	3

### FOURTH YEAR (ENGLISH LANGUAGE & LITERATURE)

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eight Semester</i>	<i>C.H.</i>
ENGL 600 Syllabus Design & Material Development	3	ENGL 605 Language Teaching Through Literature	3
ENGL 601 Fiction-I	3	ENGL 606 Fiction-II	3
ENGL 602 American Literature	3	ENGL 607 Literary Pedagogy	3
ENGL 603 World Literature	3	ENGL 608 Postcolonial Literature	3
ENGL 604 Research Methodology and Literary Theory	3	ENGL 609 Dissertation/Literary Stylistics	3
		ENGL 610 Viva-Voce	3

### BS (ENGLISH LANGUAGE TEACHING): 04 YEARS (8 SEMESTERS) DEGREE PROGRAMME CH-133 (MORNING)

Pre-requisite: H.S.C. with 45% or equivalent: Pre-Entry Test.

### FIRST YEAR (ENGLISH LANGUAGE TEACHING)

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
ELT 300 Functional English I	3	ELT 301 Functional English II	3
ELT 310 Listening and Speaking Skills	3	ELT 312 Introduction to Linguistics	3
ELT 311 Study Skills	3	ELT 313 Reading and Writing Skills	3
Islamic Studies (Compulsory)	2	Pakistan Studies	2
Minor I	3	Minor I	3
Minor II	3	Minor II	3

### SECOND YEAR (ENGLISH LANGUAGE TEACHING)

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
ELT 400 English Compulsory I	3	ELT 401 English Compulsory II	3
ELT 410 Academic Writing	3	ELT 412 Introduction to Stylistics	3
ELT 411 Grammar and Syntax	3	ELT 413 Phonetics & Phonology in ELT	3
Sindhi/Urdu/English	3	Sindhi/Urdu/English	3
Minor I	3	Minor I	3
Minor II	3	Minor II	3

### THIRD YEAR (ENGLISH LANGUAGE TEACHING)

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
ELT 550 Language Learning Theories	3	ELT 555 Syllabus Design and Material Development	3
ELT 551 ELT Methods and Approaches	3	ELT 556 E-learning in ELT	3
ELT 552 English for Specific Purposes	3	ELT 557 Sociolinguistics	3
ELT 553 English Language Teaching in Pakistan	3	ELT 558 Teaching Language through Literature	3
ELT 554 21 <sup>st</sup> Century Skills	3	ELT 559 Introduction to Research Methods	3

#### FOURTH YEAR (ENGLISH LANGUAGE TEACHING)

Seventh Semester			C.H.	Fourth Semester			C.H.
ELT 650	ELT in Multilingual Context	3		ELT 655	Teaching English to Young Learners	3	
ELT 651	Lesson Planning and Microteaching	3		ELT 656	Testing & Evaluation	3	
ELT 652	Applied Research in ELT	3		ELT 657	Leadership and Management in ELT	3	
ELT 653	Corpus Linguistics	3		ELT 658	Dissertation	3	
ELT 654	Teaching Practicum	3		ELT 659	Corpus Linguistics	3	
				ELT 660	Viva voce	3	

ENGL 654	Research Methodology	3	ENGL 659	ELT in Pakistan	3
			ENGL 661	OR Dissertation	3
			ENGL 660	Comprehensive Viva-Voce	3

#### MA (ENGLISH LANGUAGE & LITERATURE): 02 YEARS (4 SEMESTERS) DEGREE PROGRAMME CH-66 (MORNING AND EVENING)

Pre-requisite: Bachelor (Pass) degree

#### MA (ENGLISH APPLIED LINGUISTICS): 02 YEARS (4 SEMESTERS) DEGREE PROGRAMME CH 66 (MORNING AND EVENING)

Pre-requisite: Bachelor (Pass) degree.

##### MA PREVIOUS (APPLIED LINGUISTICS)

<i>First Semester</i>			<i>C.H.</i>			<i>Second Semester</i>			<i>C.H.</i>		
ENGL 550	Language Learning Theories	3	ENGL 555	English Language Teaching (ELT)	3	ENGL 556	Semantic and Pragmatics	3	ENGL 557	English for Specific Purpose (ESP)	3
ENGL 551	Lexical Studies	3	ENGL 558	Sociolinguistics	3	ENGL 559	Issues in Applied Linguistics	3			
ENGL 552	History of Modern Linguistics	3									
ENGL 553	Phonology and Phonetics	3									
ENGL 554	English Syntax	3									

##### MA (PASS) FINAL (APPLIED LINGUISTICS)

Third Semester			C.H.	Fourth Semester			C.H.
ENGL 650	Syllabus Design and Material	3		ENGL 655	Intercultural Communication	3	
ENGL 651	Testing & Evaluation	3		ENGL 656	Discourse Analysis	3	
ENGL 652	Micro Teaching	3		ENGL 657	Linguistics Survey of Pakistan	3	
ENGL 653	Varieties of English	3		ENGL 658	Pedagogical Grammar	3	

##### MA PREVIOUS (ENGLISH LANGUAGE & LITERATURE)

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
ENGL 500	History of English Literature-I	3		ENGL 505	History of English Literature-II	3	
ENGL 501	English Drama-I	3		ENGL 506	English Drama-II	3	
ENGL 502	English Poetry-I	3		ENGL 507	English Poetry-II	3	
ENGL 503	English Prose-I	3		ENGL 508	English Prose-II	3	
ENGL 504	Prosody and Literary Terms	3		ENGL 509	Major Literary Movements	3	

##### MA (PASS) FINAL (ENGLISH LANGUAGE & LITERATURE)

<b>Third Semester</b>		<b>C.H.</b>	<b>Fourth Semester</b>		<b>C.H.</b>
ENGL 600	Literary Criticism-I	3	ENGL 651	Literary Criticism-II	3
ENGL 601	Fiction-I	3	ENGL 652	Fiction-II	3
ENGL 602	American Literature	3	ENGL 653	Literary Pedagogy & Practicum	3
ENGL 603	World Literature –I	3	ENGL 654	World Literature- II	3
ENGL 604	Research Methodology	3	ENGL 655	Literary Stylistics	3
			ENGL 657	OR Dissertation	3
			ENGL 656	Comprehensive Viva-Voce	3



## INSTITUTE OF LANGUAGES (Arabic & Persian)

Institute of Languages was founded in 1970, merging the departments of Arabic and Persian established in 1952. In addition to regular Bachelor, Master, M. Phil and Ph.D. degree Programmes in Arabic and Persian languages, the Institute also offers Diploma Certificate courses in Arabic, Persian, Sindhi, Urdu, Japanese, Chinese, Russian, German, French and Turkish. It has produced 18 Ph.Ds. and presently 95 candidates are enrolled for M. Phil. Degree Program. Over the years, the faculty of the Institute has published a large number of research articles and books in various Annual/ Bi-Annual and Quarterly Research Journals/ Magazines, etc.

### The teaching faculty comprises the following:

Mufti Muhammad Sahibdad, Assistant Professor & Incharge Director

MA Arabic/ Islamic studies/ Fazil Dars-e- Nizami Eq. Certificate by S.U. 1996, M.Phil. (S.U.) 2011, Ph.D. (S.U.) 2021

Chandio, Nazar Hussain, Lecturer

MA (Arabic) 2007 (S.U.), M.Phil. (S.U) 2019

### BS (ARABIC): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. or Fazil-e-Arabi or Equivalent.

#### First Year

First Semester			C.H.	Second Semester			C.H.
AR 310	Basic Arabic Grammar	4		AR 311	Modern Arabic - I	4	
ENG 300	English	2		ENG 301	English	2	
IS 302	Islamic Studies/ Ethics	1		PS 303	Pakistan Studies	1	
AR 306	Classical Arabic & Computer (Compulsory)	3		AR 308	Inheritance and its Mathematical Division (Compulsory)	3	
	Minor "A"	2			Minor "A"	2	
	Minor "B"	2			Minor "B"	2	

#### Second Year

Third Semester			C.H.	Fourth Semester			C.H.
AR 410	Functional Arabic - II	4		AR 412	Functional Arabic - III	4	
AR 411	Applied Grammar	4		AR 413	Arabic Composition and Dictation	4	
ENG 400	English	2		ENG 401	English	2	
402	Sindhi/Urdu (Compulsory)	2		402	Sindhi/Urdu (Compulsory)	2	
AR 406	Quranic Ethics (Compulsory)	3		AR 408	The Prophets Mentioned in Quran & Historical Importance Of their Areas/places (Compulsory)	3	
	Minor "A"	2			Minor "A"	2	
	Minor "B"	2			Minor "B"	2	

### Third Year

<b>Fifth Semester</b>	<b>C.H.</b>	<b>Sixth Semester</b>	<b>C.H.</b>
AR 500 Translation - I	4	AR 505 Translation - II	4
AR 501 Arabic World	4	AR 506 Introduction to Arabic Language	4
AR 502 Quranic Literature	3	AR 507 History of Arabic Literature	3
AR 503 Hadith Literature	3	AR 508 Classical Arabic Prose	3
AR 504 History of Arabic Literature	3	AR 509 Classical Arabic Poetry	3

### Fourth Year

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eighth Semester</b>	<b>C.H.</b>
AR 600 Methodology of research in Arabic	4	AR 604 Arabic Media	4
AR 601 Introduction to Linguistic	4	AR 605 Arabic Literature in sub-continent	4
AR 602 Modern Arabic Poetry	4	AR 606 Arabic Literature in Spain	4
AR 603 Modern Arabic Prose	4	AR 607 Mysticism	4
		AR 630 Comprehensive Viva-Voce	4

### MA (ARABIC): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-70

Pre-requisite: BA (Pass) or B.Sc. or Shahadat ul Aaliya.

#### MA (First Year)

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
AR 500 Translation - I	4	AR 505 Translation - II	4
AR 501 Arabic World	4	AR 506 Introduction to Arabic Language	4
AR 502 Quranic Literature	3	AR 507 History of Arabic Literature	3
AR 503 Hadith Literature	3	AR 508 Classical Arabic Prose	3
AR 504 History of Arabic Literature	3	AR 509 Classical Arabic Poetry	3

### MA (Second Year)

<b>Third Semester</b>	<b>C.H.</b>	<b>Fourth Semester</b>	<b>C.H.</b>
AR 600 Methodology of research in Arabic	4	AR 604 Arabic Media	4
AR 601 Introduction to Linguistic	4	AR 605 Arabic Literature in sub-continent	4
AR 602 Modern Arabic Poetry	4	AR 606 Arabic Literature in Spain	4
AR 603 Modern Arabic Prose	4	AR 607 Mysticism	4
		AR 630 Comprehensive Viva-Voce	4

### BS (PERSIAN): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. or Fazil or Equivalent.

#### First Year

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
PER 310 Persian Grammar & Writing - I	4	PER 311 Persian Grammar & Writing - II	4
ENG 300 English	2	ENG 301 English	2
IS 302 Islamic Studies/ Ethics	1	PS 303 Pakistan Studies	1
PER 306 Classical Persian & Computer (Compulsory)	3	PER 308 Inheritance and its Mathematical Division (Compulsory)	3
Minor "A"	2	Minor "A"	2
Minor "B"	2	Minor "B"	2

#### Second Year

<b>Third Semester</b>	<b>C.H.</b>	<b>Fourth Semester</b>	<b>C.H.</b>
PER 410 Functional Persian - II	4	PER 412 Creative Writing	4
PER 411 Communication Skills - I	4	PER 413 Communication Skills - I	4
ENG 400 English	2	ENG 401 English	2
402 Sindhi/Urdu (Compulsory)	2	402 Sindhi/Urdu (Compulsory)	2

PER 406	Quranic Ethics (Compulsory)	3	PER 408	The Prophets Mentioned in	3
	Minor "A"	2		Quran & Historical Importance	
	Minor "B"	2		Of their Areas/places (Compul.)	
				Minor "A"	2
				Minor "B"	2

### Third Year

<i>Fifth Semester</i>			<i>C.H.</i>	<i>Sixth Semester</i>			<i>C.H.</i>
PER 500	Text Translation		4	PER 505	Classical Poetry in sub-continent		4
PER 501	Classical Persian Poetry		4	PER 506	Classical Prose in sub-continent		4
PER 502	Classical Persian Prose		3	PER 507	History of Persian Literature -II		3
PER 503	History of Persian Literature - I		3	PER 508	Translation and Interpretation		3
PER 504	Mysticism		3	PER 509	Persian Linguistics		3

### Fourth Year

<i>Seventh Semester</i>			<i>C.H.</i>	<i>Eighth Semester</i>			<i>C.H.</i>
PER 600	Iqbal Studies - I		4	PER 604	Iqbal Studies - II		4
PER 601	Research Methodology		4	PER 605	Literary Criticism		4
PER 602	Stylistic		4	PER 606	Modern Persian Poetry		4
PER 603	History of Persian in Sub-Continent		4	PER 607	Arabic Text Comprehensive		4
				PER 630	Comprehensive Viva-Voce		4

### MA (PERSIAN): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-70

Pre-requisite: BA (Pass) or B.Sc. or Shahadat ul Aaliya.

#### MA (First Year)

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
PER 500	Text Translation		4	PER 505	Classical Poetry in sub-continent		4
PER 501	Classical Persian Poetry		4	PER 506	Classical Prose in sub-continent		4
PER 502	Classical Persian Prose		3	PER 507	History of Persian Literature-II		3
PER 503	History of Persian Literature-I		3	PER 508	Translation and Interpretation		3
PER 504	Mysticism		3	PER 509	Persian Linguistics		3

#### MA (Second Year)

<i>Third Semester</i>		<i>C.H.</i>	<i>Fourth Semester</i>		<i>C.H.</i>
PER 600	Iqbal Studies - I	4	PER 604	Iqbal Studies - II	4
PER 601	Research Methodology	4	PER 605	Literary Criticism	4
PER 602	Stylistic	4	PER 606	Modern Persian Poetry	4
PER 603	History of Persian in Sub-Continent	4	PER 607	Arabic Text Comprehensive	4
			PER 630	Comprehensive Viva-Voce	4

## DEPARTMENT OF PHILOSOPHY

The Department of Philosophy was established in 1952-53 with Late Professor K.A. Hameed, Ph.D. (Berlin) as its first Chairman. Dr. Waheed Ali Farooqui, Dr. S.A. Rahim and Mr. Fareeduddin Shaikh followed later. The Department has been imparting instructions in almost all branches of Philosophy with specialization in such diverse subjects as Philosophy of Science, Sufism, Philosophy of Language, Existentialism and Logic, etc.

### The teaching faculty comprises the following:

Leghari, Salma Begum, Assistant Professor

MA Philosophy (S.U.) 1993

Mugheri, Ayaz Hyder, Assistant Professor and Incharge **Chairperson**

MA Philosophy (S.U.)

Abbasi, Bisharat Rasool, Lecturer

MA Philosophy (K. U), M. Phil Philosophy (Govt. College University, Lahore)

Sandeelo, Naveed Hussain, Lecturer

MA Philosophy (S.U.)

Daudpota, Rashid Ali, Lecturer

MA (Philosophy) (S.U.)

### BS (PHILOSOPHY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-138

Pre-requisite: H.S.C. or equivalent with 45% minimum marks.

#### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 300 English-I (Compulsory)	3	ENG 301 English-II (Compulsory)	3
302 Islamic Studies or Ethics-I (Compulsory)	2	303 Islamic Studies or Ethics-II (Compulsory)	2
PHIL 310 History of Philosophy-I	4	PHIL 312 History of Philosophy-II	4
350 Minor Group-A	3	351 Minor Group-A	3
350 Minor Group-B	3	351 Minor Group-B	3

#### SECOND YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 400 English-III (Compulsory)	3	ENG 401 English-IV (Compulsory)	3
402 Sindhi/Urdu (Compulsory)	2	403 Sindhi/Urdu (Compulsory)	2
PHIL 410 Political Philosophy-I (Seminar)	4	PHIL 412 Political Philosophy-II (Seminar)	4
PHIL 414 Metaphysics & Epistemology	4	PHIL 416 German Idealism	4
450 Minor Group-A	3	451 Minor Group-A	3
450 Minor Group-B	3	451 Minor Group-B	3

#### THIRD YEAR

First Semester	C.H.	Second Semester	C.H.
PHIL 500 Logic & Scientific Methods-I	4	PHIL 502 Logic & Scientific Methods-II	4
PHIL 504 Pragmatism3		PHIL 506 Feminism-II3	
PHIL 508 Critical Theory-I (Seminar)	3	PHIL 510 Critical Theory-II (Seminar)	3
PHIL 512 Ethics	3	PHIL 514 Post Structuralism	3
PHIL 516 Phenomenology	3	PHIL 518 Existentialism	3

#### FOURTH YEAR

First Semester	C.H.	Second Semester	C.H.
PHIL 604 Hermeneutics	4	PHIL 606 Philosophy of Science	4
PHIL 616 Contemporary French Philosophy-I	4	PHIL 618 Contemporary French Philosophy-II	4
PHIL 620 Indian Philosophy	4	PHIL 622 Muslim Philosophy	4
PHIL 624 Philosophy of Arts	3	PHIL 626 Philosophy of Religion	3
PHIL 628 Sufism	3	PHIL 630 Shah Abdul Latif Bhittai	3
		PHIL 634 Comprehensive Viva Voce	2

**MA (PHILOSOPHY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-72**

Pre-requisite: Bachelor degree preferably with Philosophy as one of the elective subjects.

**MA (Previous)**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
ENG 540 Remedial English-I	3	ENG 541 Remedial English-II	3
PHIL 500 History of Philosophy-I	4	PHIL 502 History of Philosophy-II	4
PHIL 504 Continental Rationalism & British Empiricism	4	PHIL 506 German Idealism	4
PHIL 508 Ethics	3	PHIL 510 Feminism	3
PHIL 516 Indian Philosophy	4	PHIL 518 Muslim Philosophy	3
PHIL 532 Philosophy of Art-I	3	PHIL 534 Philosophy of Art-II	4
Optional Sufism-I		Optional Sufism-II	
		Optional Shah Abdul Latif Bhittai	

**MA (Final)**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
PHIL 604 Critical Theory-I (Seminar)	4	PHIL 606 Critical Theory-II (Seminar)	3
PHIL 608 Political Philosophy-I (Seminar)	4	PHIL 610 Political Philosophy-II (Seminar)	4
PHIL 612 Phenomenology OR Philosophy of History (optional)	3	PHIL 614 Existentialism	3
PHIL 616 Logic & Scientific Methods-I	4	PHIL 618 Logic & Scientific Methods-II	4
PHIL 628 Sufism	3	PHIL 630 Shah Abdul Latif Bhittai	2
		PHIL 640 Comprehensive Viva Voce	2



## DEPARTMENT OF SINDHI

The Department of Sindhi was established in the tenure of Founder Vice Chancellor, University of Sindh, Allama I.I Kazi, in 1952, at the Elsa Kazi Campus Hyderabad. Dr. N.A Baloch became the first Head of the Department. This Department has a bright history in education and research; it offers BS (4 Years), M.Phil./MS & Ph.D. Programmes in Sindhi Language and Literature. Sindhi Department has awarded 100 Ph.D. & 100 M.Phil. Degrees. The Department has been publishing Research Journal since 1962 with different names such as Sindhi Shefo (1962), Sookhri (1964), Saughat (1966), Poorab (1970), Parkh (1977) and Keenjher, the last one is being regularly published since 1987. These journals carry significant importance in the field of Sindhi Language and Literary research for exploring universal values of human life from the poetry of Shah Abdul Latif Bhitai to benefit the society.

Extension lectures are also a part of the academic activities at the Department. Lectures of prominent literary scholars are arranged every semester in order to promote literary research and disseminate the classical message of life to the society.

### The teaching faculty comprises the following:

Muhammad Ishaque Samejo, Professor & Chairman  
MA (S.U.) 1998, Ph.D. (S.U.) 2014

Syed Noor Muhammad Shah, Associate Professor  
MA (S.U.) 1997, Ph.D. (S.U.) 2017

Shazia Safeer, Associate Professor  
MA (K.U.) 2004, Ph.D. (KU) 2014

Kaka, Nawab, Assistant Professor  
MA (S.U.) 2003, Ph.D. (S.U.) 2015

Syed, Rushdullah Shah, Assistant Professor  
MA (S.U.) 2001, Ph.D. (KU) 2008

Chandio, Bashir Ahmed, Assistant Professor  
MA (SALU), Ph.D. (SU) 2015

Mallah, Rehana, Assistant Professor  
MA (SU) 2001, Ph.D. (SU) 2005

### BS (SINDHI): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-146

Pre-requisite: H.S.C. or equivalent. Pre- Entry Test

#### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 300 Remedial English	3	ENG 301 English	3
IS/ET 300 Islamic Studies or Ethics for non-muslims	2	PS 303 Pakistan Studies	2
SC 306 Introduction to Information Technology	3	SC 306 Introduction to Programming Languages	3
SIND 310 Introduction to Sindhi Literature	4	SIND 312 Prose (Drama & Novel)	4
Minor-A	3	Minor-A	3
Minor-B	3	Minor-B	3

#### SECOND YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 400 English	3	SIND 412 Modern Poetry	2
SIND 402 Sindhi Compulsory	2	SIND 413 Prose (Autobiography, Biography, Portraits & Columns)	2
SIND 406 MS Windows XP and MS Office XP	3	SIND/SC 408 Webpage Designing in Sindhi	3
SIND 410 Forms of Poetry (Classical & Arozi)	2	ENG 401 English3	2
SIND 411 Prose (Travelogues Letters Diaries)	2	SIND 403 Sindhi Compulsory	2
Minor-A	3	Sindhi Minor-A	3
Minor-B	3	Sindhi Minor-B	3

### THIRD YEAR

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
SIND 501 Classical Poetry-I	3	SIND 506 Classical Poetry-II	3
SIND 502 Folk Literature-I	4	SIND 507 Folk Literature-II	4
SIND 503 Literary Criticism-I	3	SIND 508 Literary Criticism-II	4
SIND 504 Aruzi Poetry-I	4	SIND 509 Aruzi Poetry-II	4
SIND 505 Modern Poetry-I	4	SIND 510 Modern Poetry-II	3

### FOURTH YEAR

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
SIND 601 Shah Abdul Latif Studies	4	SIND 606 Vadantic Poetry	4
SIND 602 General Linguistics-I	4	SIND 607 Sindhi Linguistics-II	4
SIND 603 Evaluation of Sindhi Prose-I	4	SIND 608 Evaluation of Sindhi Prose-II	4
SIND 604 Sindhi Translations of world literature	3	SIND 609 Literary Trends of World Literature	4
SIND 605 Research Methodology	3	SIND 610 Monograph	2
		SIND 611 Comprehensive Viva-Voce	2

### MA (PASS) FINAL

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
SIND 601 Shah Abdul Latif Studies	4	SIND 606 Vadantic Poetry	4
SIND 602 General Linguistics	4	SIND 607 Sindhi Linguistics	4
SIND 603 Evolution of Sindhi Prose –I	4	SIND 608 Evaluation of Sindhi Prose-II	4
SIND 604 Sindhi Translations of world literature	3	SIND 609 Literary Trends of world literature	4
		SIND 610 Monograph	2
SIND 605 Research Methodology	2	SIND 611 Comprehensive Viva-Voce	2

### MA (SINDHI): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: Bachelor degree, preferably with Sindhi as one of the elective subjects.

### MA (PREVIOUS)

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
SIND 501 Classical Poetry-I	3	SIND 506 Classical Poetry-II	3
SIND 502 Folk Literature-I	4	SIND 507 Folk Literature-II	4
SIND 503 Literary Criticism-I	3	SIND 508 Literary Criticism-II	4
SIND 504 Aruzi Poetry –I	4	SIND 509 Aruzi Poetry-II	3
SIND 505 Modern Poetry-I	4	SIND 510 Modern Poetry-II	4

## DEPARTMENT OF URDU

The Department of Urdu started functioning in the academic year 1952-53, at the University of Sindh, Elsa Kazi Campus, Hyderabad. Its first chairman was Professor Qazi Ghulam Murtaza. Later Prof. Dr. Ghulam Mustafa Khan took over as chairman. M.Phil & Ph.D. Research was started in 1956. The First Annual Journal "Sareer-e-Khama" was first published in 1960. The other Research Journal "TAHQIQ", that has achieved reputation and outstanding fame as a literary journal was first published in 1987. The department is proud that 8 volumes of "Sareer-e-Khama" and 34 volumes of "TAHQIQ" have been published to-date. The Department has awarded one D. Litt, 73 Doctoral & 9 M.Phil. degrees to date; some of the recipients are noted scholars. Out of 73 Doctoral Degrees awarded in Urdu, 40 Ph.D Scholars were supervised by (Late) Dr. Ghulam Mustafa Khan. This is the second highest number in University of Sindh.

The Department organises different literary functions from time to time. In addition to this, seminar on "Dr. Ghulam Mustafa Khan" is also arranged regularly each year, while under "Dr. Najam-ul-Islam Lecture Series", eminent scholars from all over the country are invited to deliver lecture.

### The teaching faculty comprises the following:

**Shazra, Assistant Professor & Incharge Chairperson**  
MA 2005 (K.U), Ph.D. 2014 (K.U)

**Syed, Javed Iqbal, Professor and Dean**  
MA 1987, M. Phil 1995, Ph.D. 2002 (S.U.)

**Abida Huma, Assistant Professor**  
MA 2002 (S.U.)

### BS (URDU) 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. or equivalent. Pre- Entry Test

#### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 300 English	3	ENG 301 English	3
ISST 302 Islamic Studies/ Any other Subject	2	PKST 303 Pakistan Studies/Any other Subject	2
URD 310 Poetic Genres: Introduction and Analysis (Major)	4	URD 312 Prose Genres: Introduction and Analysis (Major)	4
MH 350 Muslim History/Any other subject	3	MH 351 Muslim History/Any other subject	3
URD 350 Urdu Poetry-I (Minor-I)	3	URD 351 Urdu Poetry-2 (Minor-I)	3

#### SECOND YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 400 English	3	ENG 401 English	3
URD 402 Urdu Compulsory	2	URD 403 Urdu Compulsory (Prose-I)	2
URD 410 Classical Literature (Poetry) Introduction & Analysis P-I	3	URD 412 Classical Literature (Prose) Introduction & Analysis	3
URD 411 Urdu Language: Rules and Principles P-II	3	URD 413 Writings Practice (Practical Aspect)	3
MH 450 Muslim History/Any other subject	3	MH 451 Muslim History/Any other subject	3
URD 450 Prose-I (Minor-2)	3	URD 451 Urdu Prose-II (Minor-2)	3

### THIRD YEAR

First Semester	C.H.	Second Semester	C.H.
URD 501 History of Urdu Language	3	URD 506 History of Urdu Literature: An Aesthetic Analysis	4
URD 502 Urdu Story and Novel: Conceptual and Technical Discussion	3	URD 507 Urdu Short story & Drama: Conceptual and Technical Study	4
URD 503 Study of Urdu Stylistics	4	URD 508 An Analysis Important Literary Trends of Urdu	3
URD 504 Urdu Poetry in Classical Age	4	URD 509 Urdu Poetry in Classical Age	3
URD 505 A Critical study of Classical Urdu Poetry in Pakistani Languages (in the Perspective of Urdu Poetry)	4	URD 510 Rudimentary Arabic and Persian	4

### FOUR YEAR

First Semester	C.H.	Second Semester	C.H.
URD 601 Criticism – I	4	URD 606 Criticism – II	4
URD 602 Principles of Research	4	URD 607 Linguistics	4
URD 603 Urdu Literature in Twentieth Century (Poetry)	3	URD 608 Urdu Poetry in Twentieth Century (Prose)	3
URD 604 Literature and Mass Media	3	URD 609 Lexicography: Techniques and Tradition	3
URD 605 Exclusive Studies (Optional) / Monograph Writing	4	URD 610 Exclusive Study/ Monograph Writing	4

### MA (URDU): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-70

Pre-requisite: Bachelor degree preferably with Urdu as one of the elective subjects.

#### MA (Previous)

First Semester	C.H.	Second Semester	C.H.
URD 501 History of Urdu Language	3	URD 506 A Short Study of History in Urdu Language	4
URD 502 Urdu Dastan and Novel: Conceptual and Technical Study	3	URD 507 Urdu Short story & Drama: Conceptual and Technical Study	4
URD 503 Study of Urdu Stylistics	3	URD 508 Important Literary Trends of Urdu	3
URD 504 Urdu Poetry in Classical Age-I	4	URD 509 Urdu Poetry in Classical Age-II	3
URD 505 A Critical study of Classical Urdu Poetry in Pakistani Languages (in the Perspective of Urdu Poetry)	4	URD 510 Rudimentary Arabic and Persian	4

#### MA (Final)

First Semester	C.H.	Second Semester	C.H.
URD 601 Criticism – I	4	URD 606 Criticism – II	4
URD 602 Principles of Research	4	URD 607 Linguistics	4
URD 603 Urdu Literature in Twentieth Century (Poetry)	3	URD 608 Urdu Poetry in Twentieth Century (Prose)	3
URD 604 Literature and Mass Media	3	URD 609 Lexicography: Techniques and Tradition	3
URD 605 Special Studies (Optional) / Monograph Writing	4	URD 610 Special Study/ Monograph Writing	4

# FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

The Faculty of Commerce and Business Administration was established in 1989, with Late Professor Muhammad Yaqoob Ansari as its first Dean.

The Faculty comprises Institute of Commerce that had been functioning as department under the then Faculty of Arts since 1963, (raised to the status of the Institute in 2004) and the Institute of Business Administration is functioning since 1979. Prof. Dr. Jawed Ahmed Chandio is presently the Dean of Faculty.

1. Institute of Commerce
2. Institute of Business Administration



**Prof. Dr. Jawed Ahmed Chandio**  
Dean  
Ph.D (K.U)

The Faculty of Commerce and Business Administration has produced thousands of Commerce and Business Administration Graduates those are now occupying key positions in the private and public sector organizations of the country and abroad. The role of Commerce & Business Graduates in development of economy is tremendous and the Commerce and Business Administration degree holders are highly paid employees and majority also prefer to go for Entrepreneurship.

These disciplines are at first & second in students choice of seeking admissions, due to high marketability and employability.

## PROGRAMMES

### INSTITUTE OF COMMERCE

- BS (Commerce) 04 year
- BS (Banking & Finance) 04 year
- BS (Forensic Accounting and Fraud Examination) 04 year
- BS (Commerce) Evening 4 year
- M.Com (Pass) 02 year

### INSTITUTE OF BUSINESS ADMINISTRATION

- B.B.A (Hons) 04 year
- B.B.A (Hons) Evening 04 year
- B.B.A (Hons) Evening 04 year @ Elsa Kazi Campus, Hyderabad
- M.B.A (Hons) 02 year
- M.B.A (Evening) 02 year (Six-Semester)





## INSTITUTE OF COMMERCE & MANAGEMENT

Department of Commerce was established in the year 1963 at Elsa Kazi Campus Hyderabad also known as Old Campus, Hyderabad. The Department was shifted to Allama I.I. Kazi Campus in 1970. The Commerce department has been functioning in its new premises near the Central Library of the University since 1999 and, simultaneously it was upgraded to Institute and was titled Institute of Commerce in the year 2004.

The Institute introduced 4 year BS (Commerce) in 2007. BS (Commerce) 4-year Programme is of 8- semesters, 142 CH, covering 48 courses. The Institute of Commerce has initiated to establish a new entity "Department of Forensic Accounting and Fraud Examination which offers BS (Forensic Accounting and Fraud Examination) 4-year Programme of 8-semester 142 CH covering 48 courses.

The candidates after successful completion of the course will be eligible for job in BPS 17 in Public/ Private Organizations.

### **Bachelor of Science in Forensic Accounting & Fraud Examination**

#### **Introduction:**

According to the industry trade publication Accounting Today, nearly 40 percent of the top 100 accounting firms in the Pakistan are now expanding their forensics-related services. More than 75 percent of Fortune 500 companies employ Certified Fraud Examiners. The Bachelor of Science in Forensic Accounting and Fraud Examination at **Institute of Commerce** rewards inquisitive problem solvers looking for a career in accounting with a specialization in forensics. Graduates of the degree programme will be prepared to identify and prevent fraud in public, private, and government sectors.

Institute of Commerce established in 1956 in University of Sindh, Jamshoro is one of the only institutes in the nation to offer this degree at the Bachelor level, on campus. Designed to meet the requirements of Pakistan Institute of Certified Public Accountants, this programme is created so that students can sit for the CPA exam and become certified after completing the additional 30 hours of education requirement. Institute is also in contact with the Association of Certified Fraud Examiners of Pakistan Chapter to collaborate in development of curricula, teaching, conducting case studies, internship and research of the graduates. The programme, which is an educational partner with Association of Certified Fraud Examiners, is also designed to meet the requirements of the federal government 24 semester hours in accounting and a CFE certification so that students can be immediately hired by the National Accountability Bureau, NIB, FBR, SECP, anti-corruption and anti-narcotics, honourable courts

of law, law enforcement agencies, Pakistan Police Services, Pakistan Armed Services or many other government agencies. This degree programme covers the following four major fields of the professional certification offered through the Association of Certified Fraud Examiners: Accounting, Financial Transactions and Fraud Schemes, Law, Investigation and Fraud Prevention and Deterrence. With the growing complexity of the overall business environment and the growing number of business related fraud investigations, Forensic Accounting and Fraud Examination professionals are increasingly asked to assist in the investigations of financial issues by numerous federal, state, and local governmental agencies. Our programme shall prepare our students to meet ever growing need of the time.

#### **Objectives of offering BS Degree in FAFE**

The Bachelor of Science in Forensic Accounting and Fraud Examination is where law enforcement meets the accounting world. After obtaining this degree, our students shall look for a career in accounting with a specialization in forensics. As a student of this course, they will be trained to identify and examine forensically employee theft, securities fraud, cybercrimes, identity theft, and other types of financial frauds in public, private, and non-government sectors. Emphasis is placed on accounting, auditing, business, computer, law and security courses rounding out the students' knowledge. The programme focuses on effective communications, quantitative skills, social responsibility, technology, critical thinking skills, teamwork, and commitment to lifelong learning and adding value to management and government and law enforcement agencies in fraud detecting. The coursework includes accounting, criminal justice, finance, and cyber security studies and also prepares students for the Certified Fraud Examiner (CFE) exam and certification. With four major sections of the professional certification offered through the Association of Certified Fraud Examiners such as Financial Transactions and Fraud Schemes; Law; Investigation; and Fraud Prevention and Deterrence, this degree shall enable our graduates to begin their professional career upon knowledge, skills and capability this degree offers to them.

#### **The teaching faculty comprises the following:**

**Chandio, Javed Ahmed, Professor and Dean**  
M.Com. (S. U) 1991, M.Phil. (S.U.) 2005, Ph.D. (University of Karachi)

**Mahesar, Hakim Ali, Associate Professor and Director**  
M.Com. (S.U.) 2001, Ph.D. (U.K) 2015

Halepoto, Jamshed Adil, Professor (On Lien)  
M.Com. (S.U.) 1998, Ph.D. (UK) 2012

Abro, Muhammad Hafeez, Assistant Professor  
M.Com. (S.U.) 1991

Kazi, Nusrat Fatima, Assistant Professor  
M.Com. (S.U.) 1991

Bhatia, Aneel Kumar, Assistant Professor  
M.Sc. Computer Sc. (S.U.) 1991, MS (MUET)

Kazi, Mumtaz Ahmed, Assistant Professor  
M.Com. (S.U.) 1998

Shaikh, Najia, Assistant Professor  
M.Com. (S.U.) 2001, MS (PAF-KIET University of Karachi)

Siddiqui, Mehtab Begum, Assistant Professor  
M.Com. (S.U.) 2001, MS (MUET)

Memon, Sadia Anwer, Assistant Professor  
M.Com. (S.U.) 2006, Ph.D. (S.U.)

Bhaban, Ashfaq Ahmed, Assistant Professor (Adhoc)  
M.Com. (S.U.) 2001, Ph.D. (China)

Sahito, Asghar Ali, Lecturer  
M.Com 2008

Kunbher, Mehtab, Lecturer  
BS (Commerce) 2011, MS (2015)

Mahesar, Abdul Jaleel, Lecturer  
BS (Commerce) 2013, MS (S.U.)

Khoso, Masood Abbas, Lecturer  
M.Com 2014, M.Phil. (Bahria University, Karachi)

### BS (COMMERCE): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-142 (MORNING & EVENING)

Pre-requisite: H.S.C. Arts/ Science/ Commerce/ Diploma in Commerce, with at least 45% marks. First preference to candidates with Commerce background and to Diploma holders with 55% score: Pre-Entry Test.

### FIRST YEAR

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
COM 302 Introduction to Business	3	COM 352 Business Statistics	3
COM 303 Micro Economics	3	COM 353 Macro Economics	3
COM 304 Business Mathematics	3	COM 355 Computer Application in Business	3
COM 305 Functional English	3	COM 356 Pakistan Studies	2
COM 306 Islamic Studies/Ethics	2	COM 361 Financial Accounting	3
COM 311 Principles of Accounting	3	COM 362 Business Communication	3

### SECOND YEAR

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
COM 401 Advanced Accounting-I	3	COM 452 Auditing	3
COM 402 Business Law	3	COM 453 Cost Accounting	3
COM 412 Economic issues of Pakistan	3	COM 461 Advanced Accounting-II	3
COM 413 Inferential Statistics	3	COM 462 Financial Institutions	3
COM 414 Introduction to Business Finance	3	COM 463 Business Taxation	3
COM 415 Introduction to Psychology	3	COM 464 Technical Writing and Presentation Skills	3

### THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
COM 501 Principles of Management	3	COM 556 Research Project Report and Viva Voce	3
COM 502 Principles of Marketing	3	COM 562 Logical and Critical Thinking	3
COM 503 Managerial Economics	3	COM 563 Principles of Risk Management And Insurance	3
COM 504 Financial Management	3	COM 564 Managerial Accounting	3
COM 522 Introduction to Sociology	3	COM 565 Human Resource Management	3
COM 523 Business Research Methods	3	COM 566 Entrepreneurship and SMEs	3

### FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
COM 601 Organizational Behaviour	3	COM 652 International Business	3
COM 603 Investment and Portfolio Management	3	COM 653 Strategic Management	3
		COM 654 Business Internship Report	3

COM 604	Electronic Commerce (E-Commerce)	3		and Viva Voce	
COM 612	Operations Management	3	COM 672	Corporate Governance	3
COM	Elective - I	3	COM	Elective - III	3
COM	Elective - II	3	COM	Elective - IV	3

**Note:** Specialization will be offered subject to the availability of faculty in relevant field and required number of students as per University Policies.

**Specializations Courses: (BS (Commerce) 04 Years Programme) New Revised syllabi 2017 onwards**

**Note:** The details course outlines of these optional courses will be prepared by the faculty and provided to the students accordingly.

1. Accounting (Any Four (2+2) Courses) C.H.			2. Finance (Any Four (2+2) Courses) C.H.		
COM 701	Advanced Accounting and Practice	3	COM 721	Islamic Finance	3
COM 702	Public Sector Accounting	3	COM 722	Corporate Finance	3
COM 703	Advanced Auditing	3	COM 723	Project Management	3
COM 704	Cost Accounting Application	3	COM 724	Specialized Financial Institutions	3
COM 705	Corporate Reporting	3	COM 725	International Finance	3
COM 706	Accounting for Associations Not-for-Profit	3	COM 726	Treasury and Fund Management	3
COM 707	Strategic Management Accounting	3	COM 727	Risk Management	3
COM 708	Accounting Information System	3	COM 728	Financial Markets and Institutions	3
COM 709	Cost Accounting for Selected Sectors	3	COM 729	International Financial Management	3
COM 710	Group Accounting	3	COM 730	Islamic Modes of Financing	3
COM 711	International Accounting and Accounting for MNCs	3	COM 731	Financial Derivatives Theory and Practice	3
COM 712	Forensic Accounting	3	COM 732	Analysis of Financial Statements	3
			COM 733	Financial Appraisal	3
			COM 734	International Trade Finance and Foreign Exchange Operations	3
			COM 735	Financial Regulatory Institutions Status, Functions and Role	3
			COM 736	Financing for SMEs	3

3. Marketing (Any Four (2+2) Courses) C.H.			4. Banking (Any Four (2+2) Courses) C.H.		
COM 741	International Marketing	3	COM 761	Banking Law & Practice	3
COM 742	Marketing Management	3	COM 762	International Banking	3
COM 743	Retail Management	3	COM 763	Treasury and Fund Management	3
COM 744	Marketing Communication	3	COM 764	Regulation of Financial Institutions	3
COM 745	Marketing Research	3	COM 765	Marketing of Financial Services	3
COM 746	Hotel and Restaurant Management	3	COM 766	Islamic Banking	3
			COM 767	Dynamics of Consumer Banking	3
			COM 768	Islamic Banking and Finance	3
			COM 769	Credit and Risk Management in Banking Sector	3
			COM 770	E-Banking	3
			COM 771	NBFCs and Micro-financing	3
			COM 772	Central Banking and International Global Banking	3
			COM 773	Management of Banking Operations	3

**M.COM (COMMERCE): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS)  
CH-72**

Pre-requisite: B. Com. (Pass) degree.

**M. COM PREVIOUS COURSES: -**

First Semester C.H.			Second Semester C.H.		
COM 501	Principles of Management	3	COM 551	Computer Applications to Business	3
COM 505	Research Methods in Business	3	COM 554	Entrepreneurship	3
COM 511	Fundamentals of Marketing	3	COM 562	Logical and Critical Thinking	3
COM 522	Introduction to Sociology	3	COM 563	Principles of Risk Management And Insurance	3
COM 531	Managerial Economics	3	COM 564	Managerial Accounting	3
COM 561	Financial Management	3	COM 591	Human Resource Management	3
ENG540	Remedial English-I	NC	ENG 540	Remedial English-II	NC

**M.COM (PASS) FINALYEAR COURSES: -**

<b>Third Semester</b>		<b>C.H.</b>		<b>Fourth Semester</b>		<b>C.H.</b>	
COM 604	E-Commerce	3		COM 652	International Business	3	
COM 611	Organizational Behaviour	3		COM 653	Strategic Management	3	
COM 612	Operations Management	3		COM 654	Business Internship Report & Viva voce	3	
COM 643	Investment Analysis & Portfolio Management	3		COM 672	Corporate Governance	3	
COM	Elective – I	3		COM	Elective – III	3	
COM	Elective – II	3		COM	Elective – IV	3	

**Specialization Courses (M. Com Pass Programme): New Syllabus 2017 onwards**

**Note:** The detailed course outlines of these optional courses will be prepared by the faculty and provided to the students accordingly. Specialization will be offered subject to availability of faculty in relevant field and required number of students as per BASR/DRGS Policies

<b>1. Accounting Courses</b>			<b>2. Finance Courses</b>			<b>C.H.</b>		
COM 631	Advanced Accounting Theory & Problem	3	COM 641	Islamic Principles of Finance	3			
COM 633	Accounting in Public Sector	3	COM 647	Islamic Modes of Financing	3			
COM 634	Advanced Auditing Theory & Practice	3	COM 648	Analysis of Financial Statements	3			
COM 635	Managerial Accounting for selected Industries	3	COM 649	International Financial Management	3			
COM 636	Analysis of Financial Statements	3	COM 650	Treasury and Fund Management	3			
COM 637	Accounting Information Systems	3	COM 662	Risk Management	3			
COM 638	Forensic Accounting	3	COM 663	Financial Markets & Institutions	3			
COM 639	Strategic Management Accounting	3	COM 664	Financial Regulatory Institutions Status, Functions and Role	3			
COM 640	International Accounting and Accounting for MNCs	3	COM 665	Financial Derivatives- Theory and Practice	3			
			COM 666	Financial Appraisal	3			
			COM 667	International Trade Finance & Foreign Exchange Operations	3			

<b>3. Marketing Courses</b>			<b>C.H.</b>			<b>4. Banking Courses</b>			<b>C.H.</b>		
COM 645	Marketing Management	3				COM 683	Banking Laws & Practice	3			
COM 646	Retailing Management	3				COM 684	International Banking	3			
COM 673	International Marketing	3				COM 685	Islamic Banking	3			
COM 674	Marketing Communication	3				COM 686	Dynamics of Consumer Banking	3			
COM 675	Advertising Management	3				COM 687	Islamic Banking and Finance	3			
COM 696	Marketing Research	3				COM 688	Credit and Risk Management in banking sector	3			
						COM 689	E-banking	3			
						COM 690	Financing for SMEs'	3			

## DEPARTMENT OF BANKING & FINANCE

Curriculum of BS (Banking & Finance) 04 Years Degree Programme Approved from Board of Study held on 04-05-2018

### BS (BANKING & FINANCE): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-142

Pre-requisite: H.S.C. Arts/Science/Commerce with at least 45% marks & Pre-entry test

#### FIRST YEAR

First Semester			Second Semester		
First Semester		C.H.	Second Semester		C.H.
BF 101	Introduction to Business	3	BF 201	Principles of Statistics	3
BF 102	Principles of Accounting	3	BF 202	Economics (Macro)	3
BF 103	Economics (Micro)	3	BF 203	Computer Application in Business	3
BF 104	Business Mathematics	3	BF 204	Pakistan Studies	2
BF 105	Functional English	3	BF 205	Financial Accounting	3
BF 106	Islamic Studies/Ethics	2	BF 206	Business Communication and Report Writing	3

#### SECOND YEAR

<i>Third Semester</i>			<i>C.H.</i>	<i>Fourth Semester</i>			<i>C.H.</i>
BF 301	Money and Banking	3		BF 401	Financial Markets & Institutions	3	
BF 302	Commercial/Business Law	3		BF 402	Public Finance	3	
BF 303	Advanced Accounting	3		BF 403	Cost Accounting	3	
BF 304	Introduction to Business Finance	3		BF 404	Auditing	3	
BF 305	Introduction to Islamic Economics	3		BF 405	Bank Marketing	3	
BF 306	Financial Mathematics	3		BF 406	Business Taxation	3	

#### THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
BF 501	Principles of Management	3		BF 601	Risk Management & Insurance	3	
BF 502	Financial Management	3		BF 602	Research Project Report and Viva Voce	3	
BF 503	Managerial Economics	3					
BF 504	Banking Laws and Practices	3		BF 603	Entrepreneurship & SMEs	3	
BF 522	Business Research Methods	3		BF 604	Islamic Modes of Financing	3	
BF 523	Introduction to Sociology	3		BF 605	Dynamic of Consumer Banking	3	
				BF 606	E-Banking	3	

#### FOURTH YEAR

Seventh Semester			C.H.	Eighth Semester			C.H.
BF 701	Investment and Portfolio Management	3		BF 801	Strategic Management	3	
				BF 802	Business Internship Report and Viva Voce	3	
BF 702	Corporate Finance	3					
BF 703	Management of Banking Operations	3		BF 803	Credit and Risk Management in Banking Sector	3	
BF 704	International Corporate Governance	3					
BF	Elective – I (Banking)	3		BF 804	Financial Derivatives- Theory & Practice	3	
BF	Elective – II (Banking)	3					
				BF	Elective – III (Finance)	3	
				BF	Elective – IV (Finance)	3	

**Note:** Specialization will be offered subject to the availability of faculty in relevant field and required number of students as per University Policies.

#### Specializations Courses: (BS (BANKING & FINANCE) 04 YEARS PROGRAMME

Note: The detailed course outlines of these optional courses will be prepared by the faculty and provided to the students accordingly.

First Semester			C.H.	Second Semester			C.H.
BF 821	Financial Markets & Institutions	3		BF 721	Islamic Banking	3	
BF 822	International Finance	3		BF 722	Central Banking & International	3	
BF 823	Analysis of Financial Statements	3			Global Banking		
BF 824	Financial Appraisal	3		BF 723	Management of Banking operation	3	
BF 825	International Trade Financial &	3		BF 724	Treasury & Fund Management	2	
	Foreign exchange operations			BF 725	NBFCs and Micro Finance	3	
BF 826	Financial Regulatory Institutions	3					
	Status, Functions and Role						



### DEPARTMENT OF FORENSIC ACCOUNTING & FRAUD EXAMINATION

Curriculum of BS (Forensic Accounting & Fraud Examination) 04 Years Degree Programme  
Approved from Board of Study held on 24-09-2021

### BS (FORENSIC ACCOUNTING & FRAUD EXAMINATION): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-142

Pre-requisite: H.S.C. in Science/Commerce with at least 45% marks & Pre-entry test.

#### FIRST YEAR

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
FAFE 101 Principles of Accounting	3	FAFE 201 Introduction to Legal System In Pakistan	3
FAFE 102 Introduction to Business	3	FAFE 202 Corporate Fraud-Case Studies	3
FAFE 103 Foundations of Economics	3	FAFE 203 Business Taxation	3
FAFE 104 Auditing: Principles & Procedures	3	FAFE 204 English Composition & Speech	3
FAFE 105 Introduction to Forensic Accounting, Auditing & Fraud Detection	3	FAFE 205 Software Based Bookkeeping/ Accounting with Lab	3
FAFE 106 Islamic Studies/Ethics	2	FAFE 206 Pakistan Study	2

#### SECOND YEAR

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
FAFE 301 Principles of Fraud Investigation	3	FAFE 401 Cost Accounting	3
FAFE 302 Introduction to Psychology	3	FAFE 402 Introduction to Cyber Security	3
FAFE 303 Business Ethics	3	FAFE 403 Criminal Financial Investigations: The Use of Forensic Accounting Techniques & Indirect Methods of Proof	3
FAFE 304 Computer Forensics & Digital Investigation	3	FAFE 404 Principles of Management	3
FAFE 305 Advanced Accounting	3	FAFE 405 Psychology of Deception And Detection	3
FAFE 306 Foundations of Genetics with Lab	3	FAFE 406 Fraud Auditing and Examination	3

#### THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
FAFE 501 Governmental & Non for Profit Accounting	3	FAFE 601 Human Resource Management	3
FAFE 502 Personal Financial Planning	3	FAFE 602 Principles of Marketing	3
FAFE 503 Criminology and Criminality	3	FAFE 603 Computer Forensics	3
FAFE 504 Personality and Profiling	3	FAFE 604 Forensic Evidence: Science and Criminal Law	3
FAFE 505 Business Research Methods	3	FAFE 605 Financial Management	3
FAFE 506 Advanced Forensic Accounting And Fraud Examination	3	FAFE 606 Financial Statements and Institutional Fraud Sub Total	3

#### FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
FAFE 701 Corporate Finance	3	FAFE 801 Litigation and Expert Witnessing	3
FAFE 702 Law of Evidence	3	FAFE 802 Forensic Criminology & Legal Studies	3
FAFE 703 White Collar Crime	3	FAFE 803 Forensic Accounting Capstone Internship	3
FAFE 704 Investigative Methodology and Forensic Science	3	FAFE 804 Forensic Accounting Thesis Project	3
FAFE 705 Corporate Fraud and Corporate Governance	3	FAFE 805 Interview Techniques & Tactics (Fraud Examination)	3
FAFE 706 Compliance, Ethics & Public Governance	3	FAFE 806 Security Investigations & Interview	3

## INSTITUTE OF BUSINESS ADMINISTRATION

IBA, is a prestigious institute of University of Sindh, established in 1979. IBA is committed to serving community by imparting research-oriented knowledge. We aim to sustain a meritorious culture of continuous improvement that encourages leadership, entrepreneurial capacity, global sensitivity and ethical consciousness in our graduates to flourish and contribute meaningfully to society. The total number of students enrolled in various degree Programmes in morning and evening batches are approximately 2200. We continuously update our curricula in order to meet ever-changing needs of the business market.

### IBA offers the following Programmes.

1. BBA (Hons) 4-year Programme (136 CHs)
2. MBA (Hons) 2-year Programme (36 CHs)
3. MBA (Evening) 2-year Programme (69 CHs)

### The teaching faculty comprises the following:

Shah, Syed Abdul Sattar, Professor and **Director**  
MBA (S.U.), Ph.D. (MUISTD) 2015

Khoso, Imamuddin, Professor & Focal Person Mirpurkhas Campus  
MBA (S.U.), Ph.D. (Japan) 2008, Post Doc. (Canada) 2011

Channa, Nizamuddin, Professor,  
M.Sc Computer Sc. (S.U.) 1993, Ph.D. (China) 2006, Post Doctorate (U.K) 2011

Shah, Aisha Bashir, Professor  
MBA (S. U), M.Phil. (S.U.) 2013, Ph.D. (S.U.) 2017, Post Doc. (S.U.) 2019

Jariko, Mushtaq Ali, Professor  
MBA (S.U.), Ph.D. (Denmark) 2017

Lashari, Intzar Ali, Professor and **Director Evening**  
M.Sc. Computer Science (S.U.), Ph.D. (Denmark) 2017

Pathan, Saima Kamran, Professor,  
MBA (S.U.), Ph.D. (UK) 2013

Shah, Sobia Shafaq, Associate Professor  
MBA (S.U.), Ph.D. (UK) 2016

Shaikh, Maria Aijaz, Associate Professor  
MBA (S.U.), M.Phil. (S.U.) 2013, Ph.D. (S.U.) 2017

Bhutto, Saima Tabassum, Associate Professor (On Lien)  
MBA (S.U.), M.S (Hamdard University), Ph.D. (Karachi University)

Memon, Muhammad, Associate Professor,  
MBA (S. U) 1993, M.Phil. (IQRA) 2013, Ph.D. (S.U.) 2019

Parmar, Vishnu, Assistant Professor  
MBA (S.U.) 1992, M.Phil. (SZABIST) 2007, Ph.D. (S.U.) 2018

Shaikh, Sanobar Rehman, Assistant Professor  
MBA (S.U.), Ph.D. (Thailand) 2017

Jalbani, Hina Arif, Assistant Professor  
MBA (S. U) 2002

Shah, Karim Bux, Assistant Professor  
MBA (S. U), M.Phil. (IQRA) 2012, Ph.D. (Malaysia) 2018

Katper, Naveed Akhter, Assistant Professor  
MBA (S.U.), M.Phil. (IQRA) 2012, Ph.D. (Malaysia) 2017

Shaikh, Ahsan-ul-Haque, Assistant Professor  
MBA (S.U.), M.Phil. (S.U.) 2013, (Ph.D. Scholar)

Qureshi, Fiza, Assistant Professor (Adhoc) (On Lien)  
MBA (S.U.), Ph.D. (Malaysia) 2017

Memon, Seema, Assistant Professor  
MBA (S.U.), MS (BIZTEK) 2015, (Ph.D. Scholar)

Memon, Tania, Assistant Professor  
MBA (S.U) 2001, Ph.D. (Denmark) 2017

Shaikh, Samiuddin, Assistant Professor  
MBA (S.U.) 2007, MA (S.U.) 2009, MS (MUISTD) 2012, Ph.D. (S.U.) 2018

Khaskhelly, Farhan Zeb, Assistant Professor (Adhoc)  
MBA (S. U), L.LB (S.U.), Ph.D. (S.U.) 2018

Shahani, Akram, Assistant Professor  
M.Sc. (UK) 2007, Ph.D. (S.U) 2020

Khuwaja, Parus, Assistant Professor  
MBA (SZABIST) 2014, Ph.D. (S.U.) 2022

Memon, Seema, Lecturer  
MBA (S.U.), MS HRM (MUISTD) 2018, (Ph.D. Scholar)

### BACHELOR OF BUSINESS ADMINISTRATION BBA (HONS): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136 (MORNING & EVENING)

Pre-requisite: - H.S.C. with at least 60% aggregate marks. Candidates with Intermediate Arts must have offered one of the Social Science subjects as elective at H.S.C. level.

#### A. Business Administration Core Courses Requirements: FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
BUS 301 Freshman English-I	3	BUS 311 Freshman English-II	3
BUS 302 Introduction to Computer Applications	3	BUS 312 Macro Economics	3
BUS 303 Pakistan Studies	2	BUS 313 Introduction to Management	3
BUS 304 Islamic Studies/Ethics	2	BUS 314 Business Statistics	3
BUS 305 Microeconomics	3	BUS 315 Financial Accounting-I	3
BUS 306 Business Mathematics	3	BUS 316 Human Behaviour	3

#### SECOND YEAR

Third Semester	C.H.	Fourth Semester	C.H.
BUS 401 Financial Accounting-II	3	BUS 411 Principles of Marketing	3
BUS 402 Laws of Business and Taxation	3	BUS 412 Statistical Inferences	3
BUS 403 Introduction to HRM	3	BUS 413 Money and Banking	3
BUS 404 Pakistan Economy	3	BUS 414 Principles of Business Finance	3
BUS 405 Oral Communication	3	BUS 415 Business Communication	3
BUS 406 Principles of Insurance	3	BUS 416 Business Internship (Evaluation & Viva Voce)-I	3

#### THIRD YEAR

Fifth Semester	C.H.	Sixth Semester	C.H.
BUS 501 Marketing Management	3	BUS 508 Financial Institutions and Markets	3
BUS 502 Business Ethics	3	BUS 509 Cost & Management Accounting	3
BUS 503 Financial Management	3	BUS 510 Organizational Behaviour	3
BUS 504 Decision Theory and Analysis	3	BUS 511 Auditing	3
BUS 505 Managerial Economics	3	BUS 512 Business Internship (Evaluation and Viva Voce)-II	3
BUS 5XX Elective-I	3	BUS 5XX Elective -II	3

#### FOURTH YEAR

Seventh Semester	C.H.	Eighth Semester	C.H.
BUS 601 Operations Management	3	BUS 611 Project Management	3
BUS 602 Business Research Methods	3	BUS 612 Management Information System	3
BUS 603 Business Policy	3	BUS 613 Comprehensive Examination	NC
BUS 604 Entrepreneurship	3	Viva Voce	
BUS 6XX Elective-III	3	BUS 6XX Elective-IV	3
		BUS 691 Thesis	6
		OR	
		BUS 692 Research Project	6

#### Elective Courses: BBA (H) P-III

Finance Specialization	C.H.	Human Resource Management Specialization	C.H.
BUS 559 Investment & Portfolio Management	3	BUS 552 Recruitment & Selection	3
BUS 560 Treasury & Funds Management	3	BUS 553 Personal Management	3
BUS 561 Capital Market Analysis	3	BUS 554 Managerial Skills	3
BUS 562 Insurance Management	3	BUS 555 Labour Laws in Pakistan	3
BUS 563 Risk Management	3	BUS 556 Training Intervention in Job Skills	3
Marketing Specialization	C.H.	Management Specialization	C.H.
BUS 542 Personal Selling	3	BUS 535 Organizational Development	3
BUS 543 Export Marketing	3	BUS 536 Crises Management	3
BUS 544 Services Marketing	3	BUS 537 Comparative Management	3
BUS 545 Internet Marketing	3	BUS 538 Education Management	3
BUS 546 Seminar in Marketing	3	BUS 539 Environmental Management	3
BUS 547 Integrated Marketing Communication	3	BUS 540 Logistic Management	3
BUS 548 Retail Management	3		
BUS 549 Product Management	3		

Management Information System Specialization (MIS)	C.H.	Banking Specialization	C.H.
BUS 530 Operating System	3	BUS 526 Banking Law & Practice	3
BUS 531 System Analysis & Design	3	BUS 527 Consumer Banking	3
BUS 532 Computer Networking	3	BUS 528 Commercial Banking	3

Hotel Management Specialization	C.H.	Health Services Management Specialization	C.H.
BUS 521 Hospitality Management	3	BUS 516 Introduction to Health Services in Pakistan	3
BUS 522 Hotel Services Marketing	3	BUS 517 Hospital Management	3
BUS 523 Management Information System for Hotel Management	3	BUS 518 Health Communication	3
		BUS 519 Hospital Financial Management	3

**Elective Courses: BBA(H)P-IV**

Finance Specialization	C.H.	Human Resource Management Specialization	C.H.
BUS 673 International Financial Management	3	BUS 665 Training & Development	3
BUS 674 Financial Statement Analysis	3	BUS 666 Leadership & Team Management	3
BUS 675 Corporate Finance	3	BUS 667 Compensation Management	3
BUS 676 Seminar in Finance	3	BUS 668 Micro Organizational Dynamics	3
BUS 677 Islamic Banking & Finance	3	BUS 669 Human Resource Development	3

Marketing Specialization	C.H.	Management Specialization	C.H.
BUS 656 Sales Management	3	BUS 648 Change Management	3
BUS 657 Marketing Research	3	BUS 649 Small & Medium Enterprises Management	3
BUS 658 Consumer Behaviour	3	BUS 650 Knowledge Management	3
BUS 659 Inventory Management	3	BUS 651 Supply Chain Management	3
BUS 660 Industrial Marketing	3	BUS 652 NGO's Management	3
BUS 661 Marketing of IT Products	3	BUS 653 Time Management	3
BUS 662 International Marketing	3		
BUS 663 Brand Management	3		

Management Information System Specialization (MIS)	C.H.	Banking Specialization	C.H.
BUS 640 Expert System & Artificial Intelligence	3	BUS 632 International Banking	3
BUS 641 Seminar in MIS	3	BUS 633 Credit Analysis & Investment Banking	3
BUS 642 Soft Quality Management (SQM)	3	BUS 634 Banks and Development Financial Institutes	3

Hotel Management Specialization	C.H.	Health Services Management Specialization	C.H.
BUS 624 Hotel Financing & Budgeting	3	BUS 616 Total Quality Management for Hospital Services	3
BUS 625 Food and Beverages Management	3	BUS 617 Health Care Facility Planning	3
BUS 626 Events Management	3	BUS 618 Management in Health System	3
		BUS 619 International Hospital Management	3

**MBA (HONS.) 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-36**

Pre-requisite: - 16-years of Business Education/ 04-year BBA (Hons) from Hec recognized institutes with minimum 60% aggregate marks in requisite bachelor degree.

**FIRST YEAR**

First Semester	C.H.	Second Semester	C.H.
BUS 751 Strategic Management	3	BUS 761 Strategic Marketing Management	3
BUS 752 Advanced Research Methodology	3	BUS 762 Applied Econometrics	3
BUS 753 Cost and Management Accounting	3	BUS 763 Strategic Finance	3

**SECOND YEAR**

Third Semester	C.H.	Fourth Semester	C.H.
BUS 8XX Elective – I	3	BUS 891 Research Project	6
BUS 8XX Elective – II	3	OR	
BUS 8XX Elective – III	3	BUS 892 Thesis	6
BUS 8XX Elective – IV	3		

**BUSINESS ELECTIVE COURSES FOR MBA 2 YEARS DEGREE PROGRAMME (CH-36)**

Management	C.H.	Finance	C.H.
BUS 831 Industrial Management	3	BUS 841 Financial theory & Corporate Policy Decision	3
BUS 832 Critical Management Strategies	3	BUS 842 Financial Economics	3
BUS 833 Economics of Global Corporate Strategies	3	BUS 843 Risk Management Techniques	3
BUS 834 Creativity and Innovation Management	3	BUS 844 Global Equity Investments	3
BUS 835 Supply chain Management	3	BUS 845 International Financial Management	3
BUS 836 Hotel and Tourism Management	3	BUS 846 Credit Analysis and Portfolio Management	3
BUS 837 Business Planning and Policy	3	BUS 847 Strategic Finance	3
BUS 838 Logistic Management	3	BUS 848 Seminar in Finance	3
BUS 839 Strategic Management	3		
BUS 840 Seminar in Management	3		

Management Information System (MIS)	C.H.	Marketing	C.H.
BUS 851 Applied Problem Solving and Programming	3	BUS 861 International E-Marketing	3
BUS 852 Data Resource Management	3	BUS 862 Strategic Sales Management	3
BUS 853 Business Intelligence	3	BUS 863 Integrated Marketing Communication	3
BUS 854 SQM (Soft Quality Management)	3	BUS 864 Advances in Marketing Research	3
BUS 855 M- Commerce	3	BUS 865 Brand Management Theories	3
BUS 856 Enterprise Resource Planning System	3	BUS 866 Global Marketing	3
BUS 857 Seminar in MIS	3	BUS 867 Strategic Marketing	3
		BUS 868 Seminar in Marketing	3

Human Resource Management (HRM)	C.H.	Accounting	C.H.
BUS 871 Strategic Human Resource Management	3	BUS 881 Industrial Accounting	3
BUS 872 Labour Laws in Pakistan	3	BUS 882 Accounting Information System	3
BUS 873 Compensation Management	3	BUS 883 Income Tax Accounting	3
BUS 874 Managerial Skills	3	BUS 884 Managerial Accounting	3
BUS 875 Social Capital in Managerial Effectiveness	3	BUS 885 NGO Accounting	3
BUS 876 Seminar in HRM	3	BUS 886 Seminar in Accounting	3

**Note:** Institute of Business Administration (IBA), University of Sindh will be at liberty to add/offer Business electives in each field of specializations according to the needs of job market.

## MBA EVENING 2 YEARS DEGREE PROGRAMME (6 SEMESTERS) CH-69

**Pre-requisite:** -16-Years of education like BE, MBBS, MA, M.Sc. and other equivalent qualification from HEC recognized institutes with minimum 50% aggregate marks in requisite last degree.

### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
BUS 511 Management	3	BUS 513 Maths & Statistics for Management	3
BUS 512 Financial Accounting	3	BUS 515 Economics	3
BUS 514 Managerial Communication	3	BUS 561 Organizational Behaviour	3
BUS 516 Computer Orientation & Packages	3	BUS 565 Entrepreneurship	3

Third Semester	C.H.
BUS 562 Total Quality Management	3
BUS 563 E-Commerce	3
BUS 564 Managerial Economics	3
BUS 566 Small, Medium Enterprises	3

### SECOND YEAR

Fourth Semester	C.H.	Fifth Semester	C.H.
BUS 611 Management Information System	3	BUS 612 Financial Management	3
BUS 662 Marketing Management	3	Elective-I	3
BUS 663 Cost & Management Accounting	3	Elective - II	3

Sixth Semester	C.H.
BUS 661 Human Resource Management	3
Elective-I	3
Elective - II	3

**Note:** BUS 669 Research Monograph and BUS 670 Business Internship Report as a partial requirement for award of MBA evening degree, each carries 100 marks respectively.



# FACULTY OF EDUCATION

The Faculty of Education started its journey as one of the first "Teaching Department in the subject of Education" in 1951-52 achieved its present Faculty status in 1989. It has produced thousands of professionals for the Education Sector not only Sindh but also for other parts of Pakistan. The current programs offered by Faculty of Education are: B.Ed. (Secondary) 1.5 and 2.5 Years 4/2 Years B.Ed. (Hons) Elementary & 1 Year Post Graduate Diploma in Early Childhood Education (PGD-ECE). Normally each academic year starts in January and ends in December.

## MISSION

To develop teachers and education managers having professional expertise in the areas of teaching, curriculum development, evaluation, research, educational leadership, and ethical values through formal and distance education programmes.

## VISION

To develop Faculty of Education as a leading teacher education and research institution in the region.  
The component departments of the Faculty are:

1. Department of Educational Management and Supervision
2. Department of Science and Technical Education
3. Department of Distance, Continuing & Computer Education
4. Department of Early Childhood & Elementary Education
5. Department of Curriculum Development and Instructions
6. Department of Psychological Testing, Guidance and Research



**Prof. Dr. Abdul Sattar Almani**  
Dean  
Ph.D. (H.U)



## INTRODUCTION

The departments comprising the Faculty, together provide a broad base of general teacher education at Bachelor level, and offer opportunity at Master Level of specialization in one or more disciplines to attain mastery in the art and science of teaching. The graduate and post graduate Programmes B.Ed. (Hons) Elementary, B.Ed. (Secondary) 1.5 and 2.5 years/ PGD-ECE/ M.Phil. & Ph.D. of the Faculty are conducted jointly by the component departments.

Specifically, the teacher education Programmes are designed to provide opportunities to in-service and would-be-teachers to accomplish mainly the following:

- ◆ To plan for instruction by formulating objectives in terms of student outcomes which are observable and measurable;
- ◆ To select and organise content appropriate to specified objectives in ways those are consistent with the logic of that content and the needs of the learners;
- ◆ To become competent in selecting and using those instructional materials, media and strategies that enable individual students to succeed in educational Programmes;
- ◆ To acquire skills in evaluating learning outcomes within an educational setting;

The teaching faculty comprises the following:

## DEPARTMENT OF EDUCATIONAL MANAGEMENT & SUPERVISION

Almani, Abdul Sattar, Professor, **Dean and Chairman**  
M.Ed. 1990, MA Econ. 1990 & MBA 1991(S.U.), Ph.D. (HU) 2004

Messo, Muhammad Shafi, Professor  
MA Eco. 1993, M.Ed. 1996 (S.U.), Ph. D 2013 (S.U.)

## DEPARTMENT OF EARLY CHILDHOOD AND ELEMENTARY EDUCATION

Siddiqui, Abida, Associate Professor and Chairperson  
M.Ed. 1996, MA (Urdu) 1998, Ph.D. (S. U) 2009

Mirza, Nida, Assistant Professor  
MA English 2006 (S. U), B.Ed. 2003 (S.U.), M.Ed. 2004 (S.U.), M.Phil. (Education) 2011 (IQ)

Shaheen Anjum, Assistant Professor  
MA (Urdu) 2002, M.Ed.2003; M.Phil. (Education) 2015 (S.U.)

## DEPARTMENT OF SCIENCE AND TECHNICAL EDUCATION

Jafri, Syed Iftikhar Hussain, Professor & Chairman  
M.Sc. Statistics (S.U.) 1987, MA Education (S.U.) 1994, LLB (S.U.) 1988, Ph. D 2008 (S.U.)

Khawaja, Zuhra Khatoon, Assistant Professor  
M.Sc. Physics (S.U.) 1996, M.Ed. 2001, (S. U), M.Phil. (Education) 2012 (Iqra University), Ph.D. (S.U) 2020

Chang, Muhammad Saleem, Assistant Professor  
M.Sc. (Zoology) 2003, M.Ed. 2006 (S.U.), Ph.D. (Ocean University, China) 2016

Shah, Gulzar Ali Syed, Assistant Professor  
MA (Economics) 1999 (SALU), M.Ed. (Education) 2010 (AIU), Ph.D. (Education specialization in Higher Education) 2015 (Xiamen University, China)

Noorani, Lubna, Lecturer  
MA (Economics) 1999, M.Ed. 2001(S.U.)

Rind, Mudasir Ali, Lecturer  
BS (Chemistry) (SALU) 2009, M.Ed. 2013, M.Phil. (Education) (MUSTAID, Mehran University) 2016

## DEPARTMENT OF DISTANCE, CONTINUING AND COMPUTER EDUCATION

Abbasi, Muhammad Kamran, Associate Professor & Chairman  
BCS (Hons) 2005 (QUEST), Ph.D. 2015 (UK)

Siddiqui, Samina Zafar, Assistant Professor  
M.Sc. (S.U.) 1993

Sumera Irum, Assistant Professor  
M.Sc. (Computer Sc.) 1997, B.Ed. 2007 (SU), M. Ed (S. U), M.Phil. (Education) 2015 (S.U.), Ph.D. (Education) 2020

Soomro, Saira, Assistant Professor  
BCS (Hons) (S. U) 2005, B.Ed. 2010 (S. U), M.Ed. 2012 (S. U), M.Phil.(Education) 2017

Chachar, Adeel Ahmed, Lecturer  
BE (MUET) 2012

### DEPARTMENT OF CURRICULUM DEVELOPMENT AND INSTRUCTIONS

Gopang, Abdul Sattar, Assistant Professor & Incharge Chairman  
MA (English) 1993, M.Ed. 2000 (S. U), M.Phil. 2015 (S.U.) & Ph.D. (Education) 2021(S.U)

Buriro, Imam Bux, Assistant Professor  
MA (Islamic Culture) 1994 (SALU), MA (Eng.) 2000, M.Ed. 2001(S.U.), PGD TEFL (AIU)

Shah, Shakeela, Assistant Professor  
MA English Lit. 2001, M.Ed. 2003 (S.U.), Ph.D. 2016 (Malaysia)

Chachar, Zubair Ahmed, Assistant Professor  
M.Sc. Physics 1996 (SU), M.Ed. 2001 (SU), M.Phil. 2016 (SU)

### DEPARTMENT OF PSYCHOLOGICAL TESTING, GUIDANCE & RESEARCH

Mughal, Farzana, Assistant Professor & Incharge Chairperson  
MA (Pol. Sc.) 1990, B.Ed. 1991, M. Ed (S.U.) 1993, M.Phil. (Education) 2019

Bhatti, Tarique, Assistant Professor  
M.Sc. 1987, M. Ed 2006 (S.U.), Ph.D. 2015 (S.U.)

Arain, Amjad Ali, Assistant Professor  
MA (M. History) (S. U), M. A (English) (S. U), M. Ed (S.U.), MS (Economics) (France), MS (Education) (France),  
Ph.D. (Edu) (France)

Shoaib Mohsin Ali, Lecturer  
M.Sc., 1987, M. Ed 2006 (SU)

### BACHELOR OF EDUCATION B.Ed. (SECONDARY): 1.5 YEARS (3 SEMESTERS) DEGREE PROGRAMME REGULAR (WEEKEND PROGRAMME) CH-54

**Pre-requisite:** -M.A./M. Com/M.Sc./BS Pass with Minimum 45% marks.

### First Year

First Semester	C.H.	Second Semester	C.H.
HSED 701 Philosophy of Education (Foundation)	3	HSED 713 Educational Assessment and Evaluation (Professional)	3
HSED 702 Human Development & Learning (Foundation)	3	HSED 703 Curriculum Development (Foundation)	3
HSED 711 General Methods of Teaching (Professional)	3	HSED 714 Professionalism in Teaching (Professional)	3
HSED 712 Critical thinking and reflective Practices (Professional)	3	HSED 715 Research Methods in Education (Professional)	3
Area of Specialization Course-I	3	HSED 716 Teaching Practice (Professional)	3
Area of Specialization Course-II	3	Area of Specialization Course-III	3

### Second Year

Third Semester	C.H.
HSED 717 Educational Statistics (Professional)	3
HSED 718 Teaching Practice ((Professional)	3
HSED 719 Research Project (Content Embedded) (Professional)	3
HSED 720 Educational Leadership and Management (Professional)	3
HSED 721 Citizenship Education and Community Engagement	3
Area of Specialization Course-IV	3

### BACHELOR OF EDUCATION B.Ed. (SECONDARY): 2.5 YEARS (5 SEMESTERS) DEGREE PROGRAMME REGULAR (MORNING & EVENING) CH-72

**Pre-requisite:** -B. A/B. Com/B.Sc./B.A. Education Pass with Minimum 45% marks.

Bridging Semester	C.H.
SED 513 English (Technical writing and presentation skills)	3
SED 514 Citizenship Education and Community Engagement	3
SED 500 Critical Thinking and Reflective Practices (Foundation)	3

SED 506	Educational Leadership and Management (Professional)	3
SED 515	Mathematics	3
SED 501	Information Communication Technology (ICT) in Education (Foundation)	3

<b>Semester V (Year 3)</b>	<b>C.H.</b>
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SED 507	General Methods of Teaching (Professional)	3
SED508	Educational Assessment and Evaluation (Professional)	3
	Academic Content-Course I (Discipline-I)	3
	Academic Content-Course I (Discipline-II)	3
	Academic Content-Course II (Discipline-I)	3
	Academic Content-Course II (Discipline-II)	3

<b>Semester VI (Year 3)</b>	<b>C.H.</b>
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SED 502	Philosophy of Education (Foundation)	3
SED 503	Human Development and Learning (Foundation)	3
	Academic Content-Course III (Discipline-I)	3
	Academic Content-Course III (Discipline-II)	3
	Academic Content-Course IV (Discipline-I)	3
	Academic Content-Course IV (Discipline-II)	3

<b>Semester VII (Year 4)</b>	<b>C.H.</b>
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SED600	Research Methods in Education (Professional)	3
SED601	Curriculum Developments (Professional)	3
SED 602	Pedagogy-I (Methods of teachings related to specialization (content embedded) (Professional)	3
SED 603	Pedagogy-II (Methods of teachings related to specialization (content embedded) (Professional)	3
	Academic Content-Course V (Discipline-I)	3
	Academic Content-Course V (Discipline-II)	3

<b>Semester VIII (Year 4)</b>	<b>C.H.</b>
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SED 604	Comparative Education/Contemporary trends and Issues in Education (Professional)	3
SED605	Professionalism in Teaching (Professional)	3
SED 606	Educational Statistics (Professional)	3
SED 607	Research Project	3
SED 608	Teaching Practice Discipline-I	3
SED 609	Teaching Practice Discipline-II	3

**POST GRADUATION DIPLOMA IN EARLY CHILDHOOD EDUCATION (ECE)  
REGULAR ONE YEAR (2 SEMESTERS) (WEEKEND PROGRAMME) CH-36**

**Pre-requisite:** -B. A/ B. Sc./B. Com/B.A. Education/BS with Minimum 45% marks.

<b>First Semester</b>	<b>C.H.</b>
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P.G.D (ECE) 501	Child Psychology	3
P.G.D (ECE) 502	Perspective of ECE	3
P.G.D (ECE) 503	Curriculum and Instructions	3
P.G.D (ECE) 504	Basic Communication skills	3
P.G.D (ECE) 505	Monitoring and Assessment	3
P.G.D (ECE) 506	LAB (ECE) I	3

<b>Second Semester</b>	<b>C.H.</b>
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P.G.D (ECE) 507	Life Skills	3
P.G.D (ECE) 508	Mental Health and Hygiene	3
P.G.D (ECE) 509	Media and Material	3
P.G.D (ECE) 510	ICT	3
P.G.D (ECE) 511	Internship	3
P.G.D (ECE) 512	Lab (ECE) II	3

**BACHELOR OF EDUCATION B.Ed. (HONS.) ELEMENTARY 4 YEARS DEGREE  
PROGRAMME (8 SEMESTERS) CH-136**

**Pre-requisite: -**

**1. Admission in First Semester:** H.S.C. with at least 45% aggregate marks, Pre Entry Test.

**2. Admission in 5<sup>th</sup> Semester:** ADE with CGPA 2.00/and above (Those Candidates who have completed their 02-year course of ADE Programme)

**Note:** After completing 2 years, the universities / institutions may award an **Associate Degree in Education (ADE)**. However, the students admitted for B.Ed. (Hons.) 4 Years Degree Programme will continue for Third and Fourth Year.

**FIRST YEAR**

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
EED 300 Functional English-I(Compulsory)	3	EED 302 English-II (Communication Skills) (Compulsory)	3
EED 301 Islamic Studies/Ethics (Compulsory)	2	EED 303 Computer Literacy(Compulsory)	3
EED 311 Child Development (Foundation)	3	EED 304 General Mathematics (Compulsory)	3
EED 312 General Methods of Teaching (Foundation)	3	EED 305 Pakistan studies (Compulsory)	2
EED 351 Sindhi Languages (Content)	3	EED 313 Classroom Management (Foundation)	3
EED 352 Urdu Languages (Content)	3	EED 321 Methods of Teaching Islamic Studies (Professional)	3
EED 353 General Science (Content)	3		

**SECOND YEAR**

<b>Third Semester</b>	<b>C.H.</b>	<b>Fourth Semester</b>	<b>C.H.</b>
EED 421 Teaching Literacy Skills (Professional)	3	EED 411 Classroom Assessment (Foundation)	3
EED 422 Teaching of Sindhi (Professional)	3	EED 412 School, Community and Teacher (Foundation)	2+1
EED 423 Teaching of Urdu	3	EED 427 Teaching of Social Studies	3

	(Professional)		(Professional)	
EED 424	G. Science-II (Professional)	3	EED 428 The Practicum (Professional)	3
EED 425	The Developmental Practicum	3	(Professional)	
EED 426	ICT in Education (Professional)	2	EED 429 Teaching of English (Professional)	3
EED 441	Arts, Crafts & Calligraphy (Content)	3	EED 430 Teaching of Mathematics (Professional)	3

**THIRD YEAR**

<b>Fifth Semester</b>	<b>C.H.</b>	<b>Sixth Semester</b>	<b>C.H.</b>
EED 500 English-III (Technical Writing & presentation skills) (Compulsory)	3	EED 521 Contemporary Issues and Trends in Education (Professional)	3
EED 511 Foundations of Education (Foundation)	3	EED 522 Comparative Education (Professional)	3
EED 512 Curriculum Development (Foundation)	3	EED 523 Introduction to Guidance & Counselling (Professional)	3
EED 513 Educational Psychology (Foundation)	3	<b>Discipline-I, Content – II</b>	
<b>Discipline-I, Content – I</b>		EED 546 Reading Difficulties (The Language Skills & their application in Literature)	3
EED 541 Foundation of Reading	3	<b>Discipline-II, Content – II</b>	
<b>Discipline-II, Content – I</b>		<b>Note: Choose any One of the following</b>	<b>3</b>
<b>Note: Choose any One of the following</b>	<b>3</b>	EED 551 General Science (Chemistry)	
EED 551 General Science (Chemistry)		EED 556 General Science (Physics)	
EED 561 Mathematics (Number & Operations)		EED 566 Mathematics (Algebra Financial Arithmetic)	
EED 571 Computer (Introduction to Computer Science)		EED 576 Computer (Presentation & Computational Thinking)	

#### FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
EED 621 Research Methods in Education (Professional)	3	EED 623 School Management (Professional)	3
EED 622 Reading Practicum (Professional)	3	EED 624 Test Development and Evaluation (Professional)	3
<b>Discipline-I, Content-III</b>		EED 625 Research Project (Professional)	3
EED 641 Reading Assessment	3	EED 646 Advance Practicum (Long Term)	6
<b>Discipline-II, Content-III</b>			
<b>Note: Choose any One of the following</b>	3		
EED 651 General Science (Biology)			
EED 661 Mathematics (Measurement, Geometry & Information Handling)			
EED 671 Computer (Programming in Database)			
<b>Pedagogy-I</b>			
EED 646 Pedagogy of Reading	3		
<b>Pedagogy-II</b>			
<b>Note: Choose any One</b>	3		
EED 656 General Science (Pedagogy of Physical & Biological Sciences)			
EED 666 Mathematics (Pedagogy of Mathematics)			
EED 676 Computer (Pedagogy of Computer Science)			



## FACULTY OF ENGINEERING & TECHNOLOGY (FET)

In 2020, University of Sindh established an independent *Faculty of Engineering and Technology (FET)* by upgrading the status of Institute of Information and Communication Technology (IICT). Initially, in 1998, Institute of Information Technology (IIT) was established bifurcating the former Institute of Physics and Technology (IPT), which was in existence since 1979. Later in 2008, the IIT was re-designated as IICT.

Department of Electronic Engineering and Department of Telecommunication Engineering offers a 4-year 8-semester undergraduate program, namely BE Electronic Engineering and BE Telecommunication Engineering and both these programs are accredited with Pakistan Engineering Council (PEC). Further, Department of Information Technology and Department of Software Engineering offer 4-year 8-semester undergraduate programs, BS Information Technology and BS Software Engineering respectively and both these programs are accredited with the National Computing Education Accreditation Council (NCEAC). Both BS Information Technology and BS Software Engineering programs are offered in morning as well as in evening. From the year 2023 a new program BS in Data Science is also introduced.

*Faculty of Engineering and Technology* has an excellent infrastructure in terms of highly qualified faculty members (there are around 27 PhD faculty members, well-equipped and state-of-the-art laboratories catering the needs of practical component of all undergraduate and graduate program courses, spacious class rooms, multimedia facilities, computerized internal library with abundant and latest editions of books, journals and magazines. Realizing the tremendous potential of technology entrepreneurship, FET has adopted a proactive role for supporting entrepreneurship through establishment of *Technology Incubation Center* and Industry Liaison Desk

### The Mission Statement of FET

To produce potential engineers and technologists in undergraduate and postgraduate programs who can solve complex engineering and technological problems with academic knowledge, modern tools, entrepreneurship skills and continuous quest to learn new engineering and technological methods to achieve innovative and sustainable solutions for the betterment of the environment and society.

### The Vision Statement of FET

To be Nationally renowned for providing a dynamic environment using quality education through rigorous teaching and research methodologies with ethical and managerial skills in Engineering and Technology disciplines for the betterment of society.

### Constituent Center / Department / Institutes

- ▮ Dr. A. H. S. Bukhari Postgraduate Center of Information and Communication Technology
- ▮ Department of Information Technology
- ▮ Department of Software Engineering
- ▮ Department of Electronic Engineering
- ▮ Department of Telecommunication Engineering
- ▮ Department of Telemedicine and e-Health



**Prof. Dr. Khalil-ur-Rehman Khoubati**  
Dean  
Ph.D (U.K)

### PROGRAMMES

#### Bachelor Degree Programmes

- |                             |                                    |
|-----------------------------|------------------------------------|
| BE (Electronic Engineering) | BE (Telecommunication Engineering) |
| BS (Information Technology) | BS (Software Engineering)          |
| BS (Data Science)           |                                    |

#### Master Degree Programmes

- M.Sc. Telemedicine and E-Health



## DEPARTMENT OF ELECTRONIC ENGINEERING

### About the Department

The extensive applications of electronic devices and systems play a vital role in the development of the socio-economic growth of the country. This led the University of Sindh to start B.Sc. and M.Sc. Electronics Program in 1979 under the umbrella of the Institute of physics and technology (IPT). The IPT was pioneer in Sindh province to provide training and educating the individuals to harness the full potential of the discipline. Later in 1998, the IPT was bifurcated to the Institute of information technology (IIT). The department of Electronics started to offer 4-year BS degree in Electronics in 2002. Later the nomenclature of the Institute was re-designated as Institute of Information and Communication Technology (IICT). In 2020, IICT was upgraded to the Faculty of Engineering and Technology (FET) to extend its scope in the field of Engineering and Technology. As a result of this the nomenclature of Department of Electronic was changed to Department of Electronic Engineering (DEE) and got accredited by the Pakistan Engineering Council (PEC). DEE offers a four-year (8-semester) BE Electronic Engineering program. The courses have been designed to build the strong foundation of Electronic Engineering to reflect the mission of the program. The infrastructure of the department meets all the criteria of conducive learnings. The classrooms are spacious, well-furnished and equipped with the multimedia facility. The state-of-the-art laboratories with latest hardware and software tools facilitate students in learning all theoretical concepts experimentally. Moreover, the library suffices the complete information resource such as; textbooks with latest editions, technology magazines and online platforms to access research articles worldwide. Based on the competence and achievements of its discipline, DEE owns a very high reputation in the Electronic research community across the country.

### Mission of the Program

To produce competent professionals with substantial knowledge of electronic engineering that can solve complex electronic engineering problems and provide sustainable solutions with modern tools and techniques to compete in a diversified and resilient environment through a continuous learning process and have a strong sense of ethical and entrepreneurship responsibilities for the betterment of environment and society.

### Programmes Educational Objectives (PEOs)

The program educational objectives for BE Electronic Engineering program are:

#### PEO1

Graduates will have the ability to solve complex electronic engineering problems and propose innovative as well as sustainable solutions for the benefit of society and environment with academic knowledge, modern tools, and entrepreneurship skills to cater the market needs.

#### PEO2

Graduates will demonstrate managerial and negotiating skills and can work individually or in a team with ethical responsibilities to achieve the desired targets.

#### PEO3

Graduates will engage in a lifelong quest for knowledge and interdisciplinary learning appropriate for their academic and industrial careers.

### The teaching faculty comprises the following:

Memon, Mudasir Ahmed (Engr.), Assistant Professor and Incharge Chairman  
BE Electronic (MUET) 2008, ME Electronic Systems Engineering (MUET) 2015, Ph. D (University of Malaya, Malaysia) 2019

Shah, Azhar Ali, Professor and Focal Person Larkana Campus  
M.Sc. Electronics (S. U) 1998, M.Phil. (S.U.) 2004, Ph.D. (Nottingham University, UK) 2011

Memon, Shahzad Ahmed, Professor  
M.Sc. Electronics (S.U.) 1999, Ph.D. (Brunel University, UK) 2013

Shah, Raza Hussain, Assistant Professor  
M.Sc. Electronics (S.U.) 1991, Ph.D. (S.U) 2020

Shoro, Ghulam Mustafa, Assistant Professor  
M.Sc. Electronics (S.U.) 1997

Soomro, Waseem Javaid, Assistant Professor  
M.Sc. Electronics (S. U) 2001, M.Phil. Information Technology (S.U.) 2015

Pirzado, Azhar Ali Ayaz, Assistant Professor  
BS Electronics (S.U.) 2005, MS (Strasbourg, France) 2011, Ph. D. (Strasbourg, France) 2015, Postdoc (Soochow University, China) 2022

Hakro, Ayaz Ali, Assistant Professor  
BS Electronics (S.U.) 2009, MS Electronics (ZJU, China) 2014, Ph. D (ZJU, China) 2018, Postdoc (SINTEF, Norway) 2021

Memon, Aamir Hussain (Engr.), Assistant Professor  
BE Electronic (MUET) 2008, ME Telecommunication and Control Engineering (MUET) 2011, Ph. D (University Teknologi Petronas, Malaysia) 2019

Ansari, Beenish Ishtiaq (Engr.), Assistant Professor (on Study Leave)  
BE Electronics (MUET) 2007, ME Electronics (MUET) 2017

Pirzado, Muhammad Hussain (Engr.), Assistant Professor (on Study Leave)  
BE Software Engineering (MUET) 2012, ME Computer Information Engineering (MUET) 2016

Patoli, Noorulain (Engr.), Assistant Professor  
BE Software Engineering (MUET) 2011, ME Software Engineering (MUET) 2017

Soomro, Altaf Mazhar (Engr.), Lecturer (On Lien)  
BE Electronic (MUET) 2008, MES Computer Control Engineering (UTS, Australia) 2015

Shah, Aunsa (Engr.), Lecturer (On Contract)  
BE Electronic (MUET) 2016, ME Electronics (MUET) 2018

Abro, Umair (Engr.), Lecturer (On Contract)  
BE Electronic (MUET) 2014, ME Electronics (MUET) 2017

Memon, Abdul Manan (Engr.), Lecturer (On Contract)  
BE Electronic (MUET) 2013, ME Electronics (MUET) 2015

### BE (ELECTRONIC ENGINEERING): 4 YEARS (8 SEMESTERS) DEGREE PROGRAMME CH-136

Pre-requisite: H.S.C Pre- Engineering or equivalent with Physics, Chemistry and Mathematics with at least 60% aggregate marks, Pre-entry Test: PEC policy frame work with at least 33% Marks and Interview

### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
BH 100	Functional English	3		BH 101	Communication Skills	3	
EE 110-111	Linear Circuit Analysis	3+1		PS 103	Pakistan Studies	2	
CS 112-113	Computer Fundamentals And Programming	2+1		EE 120-121	Solid State Electronics	3	
BH 114-115	Applied Physics	3+1		EE 122-123	Electronic Devices and Circuits	3+1	
BH 116	Calculus and Analytical Geometry	3		CS 124-125	Object Oriented Programming	3+1	
EE 119	Electronics Workbench	1		BH 126	Linear Algebra	3	

### SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
EE 210-211	Electronic Circuit Design	3+1		IS 202	Islamic Studies	2	
ELE 212-213	Instrumentation and Measurements	3+1		EE 220-221	Microprocessors and Microcontrollers	3+1	
EE 214-215	Digital Logic Design	3+1		EE 222-223	Integrated Electronics	3+1	
BH 216	Differential Equations	3		EE 224-225	Electrical Network Analysis	3+1	
CS 219	Computer-Aided Engineering Design	1		BH 226	Complex Variables and Transforms	3	

### THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
EE 310-311	Electrical Machines	3+1		BH 302	Technical Report Writing and Presentation Skills	3	
EE 312-313	Signals and Systems	3+1		BH 320	Professional Practice	3	
EE 314	Electromagnetic Field Theory	3		EE 322-323	Digital Signal Processing	3+1	
EE 316	Probability and Random Variables	3		EE 324-325	Analog and Digital Communications	3+1	
BH 318	Organizational Behaviour	3		EE 326-327	Control Systems	3+1	

### FOURTH YEAR

Seventh Semester			C.H.	Eighth Semester			C.H.
EE 410-411	Power Electronics	3+1		EE 420-421	Industrial Electronics	3+1	
EE 412-413	Introduction to Robotics	3+1		EE 422-423	FPGA-Based System Design	3+1	
EE 414	Image Processing and Computer Vision	3		MS 424	Entrepreneurship	3	
MS 416	Engineering Economics	3		EE 418	Final Year Project	6	
EE 418	Final Year Project (To be continued)						

## List of Elective Courses

### ID Electives

- ELE/CS-4XX Image Processing & Computer Vision (3+0)
- ELE/CS-4XX Pattern Recognition and Matching (3+0)
- ELE/CS-4XX Introduction to Neural Networks (3+0)
- ELE/CS-4XX Fuzzy Logic and Simulation (3+0)
- ELE/CS-4XX Computer Communication Networks (3+1)
- ELE/CS-4XX Artificial Intelligence (3+1)

### Management Sciences Electives

- MS-XXX Entrepreneurship (3+0)

### Depth Electives

- ELE-4XX Microelectronic Technology (3+1)
- ELE-4XX Power Electronics (3+1)
- ELE-4XX Opto Electronics (3+1)
- ELE-4XX Digital Instrumentation Systems (3+1)
- ELE-4XX Industrial Electronics (3+1)
- ELE-4XX Advanced Object-Oriented Programming (3+1)
- ELE-4XX VLSI Design (3+1)
- ELE-4XX FPGA-Based System Design (3+1)
- ELE-4XX Laser and Fiber Optics (3+0)
- ELE-4XX Mobile Communications (3+0)
- ELE-4XX Satellite Communications (3+0)
- ELE-4XX Microwave Engineering (3+1)

- ELE-4XX Advanced Communication Systems (3+0)
- ELE-4XX Optical Communication Systems (3+0)
- ELE-4XX Wave Propagation and Antennas (3+1)
- ELE-4XX Navigational Aids (3+1)
- ELE-4XX Filter Design (3+1)
- ELE-4XX Introduction to Robotics (3+1)
- ELE-4XX Digital Control Systems (3+1)
- ELE-4XX Digital System Design (3+1)
- ELE-4XX Operating System Concepts (3+0)
- ELE-4XX Embedded System Design (3+0)
- ELE-4XX Biomedical Instrumentation (3+1)
- ELE-4XX Mechatronics Applications (3+0)  
– (3 Credit-hour theory + 0 credit-hour lab)

\*Lab work are considered mandatory. The concerned tutor(s) are responsible to design the lab work according to the course contents delivered during the semester

## DEPARTMENT OF TELECOMMUNICATION ENGINEERING

### About the Department

Initially in 1980, University of Sindh started to offer one year M.Sc. in Telecommunication Program under the umbrella of the Institute of physics and technology (IPT). The BS Telecommunication Program was introduced in 1998 at the Institute of Information and Communication Technology. With the rising demand for Engineering technologies and the Telecommunication sector, the Department of Telecommunication was revamped as the Department of Telecommunication Engineering under the Faculty of Engineering and Technology in 2019. The Department of Telecommunication Engineering offers a 4-year (8-semester) BE (Telecommunication Engineering) program and is accredited with Pakistan Engineering Council (PEC). The main objective of this department is to produce graduates in the field of Telecommunication to keep pace with the current technological trends through collaborative environment and envisage future prospects in terms of professional, entrepreneurial, and research practices. With the convergence of Information and Telecommunication Technology, an interdisciplinary aspect has also been integrated in the curriculum, to cater the market needs with sustainable environment and societal benefits. In this regard, the Telecommunication Engineering department offers courses in Program languages, emerging topics such as computer vision, image processing, and so forth to keep pace with the technological changes. The graduates of this department have left a positive footprint in leading Telecom and IT industries of Pakistan. With the emergence of 5G technology, Software Defined Networking, Industrial Internet of Things, E-health, and Telemedicine, the professional, educational, and research opportunities are extended more than ever in Pakistan as well as abroad.

### Mission of the Program

To produce graduates in the field of Telecommunication to keep pace with the current technological trends through collaborative environment and envisage future prospects in terms of professional, entrepreneurial, and research practices.

### Programmes Educational Objectives (PEOs)

#### PEO1:

Telecommunication engineers would be equipped with knowledge pertaining to solve field related problems through investigation, modern tools and research based methods to cater the market needs with sustainable environment and societal benefits.

#### PEO2:

To foresee successful careers of telecommunication graduates as qualified network analysts, entrepreneurs, project managers, system designers, and academic professionals with managerial, communication and negotiating skills.

#### PEO3:

To engage them in a lifelong quest for knowledge and encourage discipline to embrace moral, social, and ethical principles in individual and team working environment.

### **The Teaching faculty comprise of the following:**

**Memon, Zain Anwar (Engr.), Assistant Professor and Incharge Chairman**  
BE Electronic (MUET) 2010, ME Electronics (MUET) 2017, Ph.D. (Polito, Italy) 2020

**Khowaja, Sunder Ali (Engr.), Assistant Professor**  
BE Telecommunications (MUET) 2008, ME Communication Systems and Networks (MUET) 2014, Ph.D. Industrial and Information Systems Engineering (Hankuk University of Foreign Studies, South Korea) 2019.

**Abbasi, Shazia, Assistant Professor**  
M.Sc. Telecommunication (SU) 1997, Ph.D. (SU) 2017.

**Ujan, Muzaffar Hussain Alias Imran Anwar (Engr.), Assistant Professor**  
BE Computer Systems (MUET) 1994, MS (IIUM, Malaysia) 2017, Ph.D. (IIUM, Malaysia) 2021

**Kumbhar, Muhammad Aslam, Assistant Professor**  
M.Sc. Telecommunication (SU) 1997

**Memon, Nisar Ahmed, Assistant Professor**  
M.Sc. Telecommunication (SU) 1999, M.Phil. Telecommunication (SU) 2015.

**Shah, Shahnawaz, Assistant Professor**  
BS Telecommunication (SU) 2008, M.Phil. Telecommunication (SU) 2016, Ph.D. (ZJU, China) 2021

**Langah, Rahat Ali Khan, Assistant Professor**  
BS Electronics (SU) 2005, M.Phil. Telecommunication (SU) 2016.

**Khokhar, Abdul Wahab (Engr.), Lecturer**  
BE Telecommunication (MUET) 2010

**Baig, Altamash (Engr.), Lecturer**  
BE Telecommunication (MUET) 2008, ME Telecommunication (NED) 2010.

**Hamirani, Nayab (Engr.), Lecturer (on Study Leave)**  
BE Electronic (MUET) 2008



**BE (TELECOMMUNICATION ENGINEERING): 4 YEARS (8 SEMESTERS) DEGREE PROGRAMME (MORNING) CH-136**

Pre-requisite: H.S.C Pre- Engineering or equivalent with Physics, Chemistry, and Mathematics with at least 60% aggregate marks, Pre-entry Test: PEC policy frame work with at least 33% Marks and Interview.

**FIRST YEAR**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
EN 10100	Functional English (English-I) 2	EN 10101	Communication and Presentation Skills (English-II) 2
EE 10110-11	Electronic Devices and Circuits (Foundation Engineering) 3+1	PS 10102	Pakistan Studies and Global Perspectives (Humanities-Culture) 2
IT 10112-13	Information & Communication Technologies (Computer and Information Science) 2+1	IS 10103/ IS 10104	Islamic Studies / Ethics (Humanities-Culture) 2
EE 10114-115	Applied Physics (Natural Sciences-Physics) 3+1	EE 10120-21	Circuits Analysis (Foundation Engineering) 3+1
TE 10116	Calculus and Analytical Geometry (Natural Sciences- Math) 3	TE 10122	Differential Equations & Linear Algebra (Natural Science-Math) 3
EE 10119	Electrical Workshop (Foundation Engineering) 1	IT 10124-25	Object Oriented Programming 3+1 (Computer and Information Science)
		TE 10127	Computer Aided Engineering 1 Drawing (Computer and Information Science)

**SECOND YEAR**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
EN-10200	Technical Writing (English-III) 2	EE-10220-21	Microprocessors and Microcontrollers (Major Based Core-Breadth) 3+1
EE-10210-11	Digital Logic Design (Foundation Engineering) 3+1	EE-10222-23	Amplifiers & Oscillators (MBC Breadth) 3+1
EE-10212-03	Electrical Network Analysis (Foundation Engineering) 3+1	TE-10224	Probability and Statistics (Natural Sciences-Math) 3
TE-10214	Complex Variables and Transforms (Natural Sciences-Math) 3	TE-10226-27	Signals and Systems (Foundation Engineering) 3
TE-10216	Engineering Economics (Humanities-Social Science) 2	TE-10228	Multivariate Calculus (Natural Sciences-Math) 3
TE-10218-19	MDE Elective-I 2+1		

**THIRD YEAR**

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
TE-10310	Electromagnetic Theory 3 (Foundation Engineering)	TE-10320-21	Digital Communications 3+1 (Major Based Core-Breadth)
TE-10312-13	Control Systems 2+1 (Major Based Core-Breadth)	TE-10322-23	Antennas and Wave Propagation 3+1 (Major Based Core-Breadth)
TE-10314-15	Communication Systems 3+1 (Foundation Engineering)	TE-10324-25	Digital Signal Processing 3+1 (Major Based Core-Breadth)
IT-10316-17	Computer Communication and Networks 3+1 (Major Based Core-Depth)	TE-10326	Entrepreneurship 3 (Management Sciences)
TE-10318-19	MDE Elective II 2+1	TE-10328	Wireless Communication and RF Planning 3 (Major Based Core-Depth)

**FOURTH YEAR**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
TE-10410-11	Microwave Engineering 3+1 (Major Based Core-Depth)	TE-10420	MBC Depth Elective-I 3
TE-10412-13	Optical Fiber Communication 3+1 (Major Based Core-Depth)	TE-10422	Emerging Communication Technologies ((Major Based Core-Depth) 2
TE-10414	MDE Elective-III 3	TE-10424	MDE Elective IV 3
TE-10416-17	Transmission and Switching System (Major Based Core-Depth) 3+1	TE-10426	MBC Depth Elective - II 2
TE-10418	Final Year Design Project I 3	TE-10418	Final Year Design Project II 3



## List of Electives

### Computer and Information System Courses

- Information and Communication Technologies
- Object Oriented Programming
- Computer Aided Engineering Design
- Object Oriented Programming
- Artificial Intelligence
- Computer Programming
- Introduction to Modelling & Simulation

### Major Based Core (MBC) Depth Electives (Proposed)

- Multimedia Systems
- Satellite Communications
- Telecom Policies Regulations and Standards
- Telecom Traffic Engineering
- Next Generation Networks
- Network Security
- Radar Systems Engineering
- Telecommunication Network Management
- Machine learning for Communication Systems

### Multi-Disciplinary Electives (Proposed)

- GIS/RS applications in Telecom
- Operating Systems
- Data structures and algorithms

- VLSI Systems
- Artificial Intelligence
- Big Data Analytics
- Database Management Systems
- Embedded Systems
- Cyber Security
- Information Security
- Data Analytics
- Reliability in Telecommunication Systems
- Cloud Computing
- Internet of Things
- Operations Management
- Machine Learning
- Navigation Systems

\*Lab work are considered mandatory. The concerned tutor(s) are responsible to design the lab work according to the course contents delivered during the semester.

## DEPARTMENT OF INFORMATION TECHNOLOGY

### About the Department

In 1998, the former Institute of Physics and Technology (IPT) which existed since 1979 bifurcated giving birth to the Institute of Information Technology (IIT). The IIT was among a very few first institutes of the Pakistan which offered a 4-year 8-semesters undergraduate program in Computer and Information Technology called BCIT. Over the time it has undergone a number of revamps and currently Department of Information Technology is one of the constituent departments of the recently established Faculty of Engineering and Technology which offers a 4-year 8-semester undergraduate program BS Information Technology.

Department of Information Technology has a highly qualified faculty most of whom have earned their PhD degree from international universities of high stature. The Department is also equipped with state-of-the-art hardware and software laboratories catering the needs of practical component of the courses. The curriculum of BS Information Technology program includes, in addition to fundamental core Information technology courses, a number of advanced courses focusing on new emerging computing paradigms such as Mobile and Pervasive Computing, Cloud Computing, Information security, smart technologies, human computer interface design (HCI), management of large scale IT infrastructure projects etc. in line with HEC guidelines. BS Information Technology program has recently been accredited with the National Computing Education Accreditation Council (NCEAC) and the program is offered in morning as well as in evening.

The main objective of the Department of Information Technology is to provide quality education and research opportunities to the students and to instill in them critical, rational, analytical thinking and a civic sense so that they become socially responsible citizens and truly educated graduates after completion of their BS Information Technology program.

### The present faculty comprises the following:

**Mahesar, Abdul Waheed, Associate Professor and Chairman**

BCS (Hons) (S.U.) 2004, Ph.D (IIUM, Malaysia) 2016, Post Doctorate (UNAM, Mexico) 2019

**Khoumbati, Khalil -Ur- Rehman, Professor and Dean (FET)**

MSc Computer Technology (S.U.) 1990, Ph.D. (Brunel University, UK) 2005, Post Doctorate (Brunel University, UK) 2006

**Dhomeja, Lachman Das, Professor and Director Dr. A.H.S. Bukhari (PGCICT)**

MSc Computer Technology (S.U.) 1991, Ph.D. (University of Sussex, UK) 2011

**Bhatti, Zeeshan, Associate professor**

BCS (Hons) (S.U.) 2004, M.Phil. (IT) (S.U.) 2011, Ph.D. (IIUM, Malaysia) 2015

**Memon, Muhammad Ali, Associate professor**

BCIT (Hons) (NED) 2005, MS (Rennes, France) 2011, Ph.D. (University of Toulouse, France) 2014

**Larik, Shahid Hussain, Assistant Professor**

MSc Computer Technology (S.U.) 1991

**Laghari, Sheeraz, Assistant Professor**

BS Information Technology (S.U.) 2005, M.Phil. IT (S.U.) 2013, Ph.D. (Aalborg University, Denmark) 2018

**Nizamani, Mohammad Ali, Assistant Professor**

BE Civil Engineering (MUET), 2001, MS (Computer Systems, France) 2008, Ph.D. (France) 2012

**Basir Nazish, Assistant Professor**

BS (Hons) Information Technology (S.U.) 2005, MS (PAFKEIT) 2016

**Shaikh, Muhammad Bilal, Assistant Professor (on Study Leave)**

BS Computer Science FAST (NUCES) 2011, MS Computer Science (IBA, Sukkur) 2016

**Abbasi, Faheem Ahmed, Assistant Professor**

BS Software Engineering (S.U.) 2005, MS (MAJU) 2008, Ph.D. (France) 2022

**Pirzado, Muhammad Hussain (Engr.), Assistant Professor**

BE Software Engineering (MUET) 2012, ME Computer Information Engineering (MUET) 2016

**Bhutto, Zulfiqar Ali, Lecturer**

BCIT (Hons) (S.U.) 2002, MS (IT) (Sindh Agriculture University, Tandojam) 2017

**BS (INFORMATION TECHNOLOGY): 4 YEARS DEGREE PROGRAMME  
(8 SEMESTERS) (MORNING AND EVENING) CH-136**

**Pre-requisite:** H.S.C Pre- Engineering or General Science group with Physics and Computer background, with at least 50% aggregate marks, Pre-Entry Test.

**OR**

H.S.C Pre-Medical or equivalent qualification, with at least 50% aggregate marks and Pre-Entry Test.

*Deficiency: "Students with pre-medical must have to pass deficiency courses of Mathematics of 6 credit hours in first two semesters."*

**FIRST YEAR**

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
INFT-310 Discrete Structures (Computing-Core)	2	IS-304 Islamic Studies / Ethics (General Education)	2
INFT-312-313 Programming Fundamentals (Computing-Core)	3+1	ENG-303 Communication & Presentation Skills (General Education)	3
INFT-314-315 Information & Communication Technologies (General Education)	2+1	INFT-320-321 Object Oriented Programming (Computing Core)	3+1
ENG-300 English Composition & Comprehension (General Education)	3	INFT-322 Calculus & Analytical Geometry (Science and Mathematics Foundation)	3
INFT -316-317 Electronic devices and Circuits (Science & Mathematics Foundation) (SM)	2+1	INFT-324 <b>General Elective-I /</b> University Elective (Elective-I)	3
PS-302 Pakistan Studies (General Education)	2	INFT-326-327 <b>IT Elective /</b> Digital Logic Design (IT Elective courses)	2+1

**SECOND YEAR**

<b>Third Semester</b>	<b>C.H.</b>	<b>Fourth Semester</b>	<b>C.H.</b>
INFT-410 Software Engineering (Computing-Core Courses)	3	INFT-422-423 Database Systems (Computing-Core Courses)	3+1
INFT-412-413 Data Structures & Algorithms (Computing-Core Courses.)	4	INFT-424-425 Computer Networks (Computing-Core Courses)	3+1
INFT-414 Linear Algebra Science & Mathematics Foundation (SM)	3	INFT-426 Software Requirements Engineering (IT Supporting Course)	3
INFT-416 Probability & Statistics	3	INFT-428 <b>General Elective-III/</b>	3

INFT-418-419	Science & Mathematics Foundation (SM) <b>IT Elective /</b> Computer Organization & Assembly Language Programming (IT Elective courses)	2+1	INFT-430-431 <b>IT Elective /</b> Computer Graphics & Game Development (IT Elective courses)	2+1
INFT-420	<b>General Elective-II</b> University Elective (Elective-II)	3		

**THIRD YEAR**

<b>Fifth Semester</b>	<b>C.H.</b>	<b>Sixth Semester</b>	<b>C.H.</b>
INFT-510 Advanced Database System (IT Core Courses)	3	INFT-520 Information Technology Infrastructure (IT Core Courses)	3
INFT-512-513 Operating Systems (Computing-Core Courses)	3	INFT-522 Distributed Computing (IT Core Courses)	3
INFT-514-515 <b>IT Elective /</b> Multimedia Systems and Design (IT Elective Course)	2+1	INFT-524-525 <b>IT Elective /</b> Mobile Application Development (IT Elective Course)	2+1
INFT-516-517 Web Technologies (IT Core Courses)	2+1	INFT-526-527 <b>IT Elective /</b> Data Science (IT Elective Course)	2+1
INFT-518 <b>IT Elective /</b> Artificial Intelligence (IT Elective courses)	2+1	INFT-528 <b>General Elective-IV/</b> Uni. (Elective-IV)	2
		INFT-530-531 IT Project Management (IT Core Courses)	2+1

**FOURTH YEAR**

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eighth Semester</b>	<b>C.H.</b>
ENG-610 Technical & Business Writing (General Education)	3	INFT-620-621 Systems and Network Administration (IT Core Courses)	2+1
INFT-612 Enterprise Systems (IT Supporting Course)	3	INFT-622 <b>IT Elective /</b> Mobile and Pervasive Computing (IT Elective courses)	3
INFT-614-615 Cloud Computing (IT Core Courses)	3	INFT-624 Cyber Security (IT Core Courses)	3
INFT-616 <b>IT Elective /</b> Human Computer Interaction (IT Elective courses)	3	INFT-626 Professional Practices General Education (GE)	3
INFT-619 Final Year Project Part I (Computing-Core Courses)	2	INFT-629 Final Year Project Part II (Computing-Core Courses)	6

**Note:** The following list of university electives is not limited. The courses are offered subject to the availability of faculty.

UNIVERSITY ELECTIVE COURSES			
S#	Code	Course Name	Credit Hours
1		General Elective-I	3
2		General Elective-II	3
3		General Elective-III	3
4		University Elective-IV	3
			(12/136)

UNIVERSITY ELECTIVE COURSES			
S#	Code	Course Name	Credit Hours
1		Media Studies	3
2		Introduction To Philosophy	3
3		Introduction to Social Media	3
4		Introduction to Management	3
5		Introduction to Sociology	3
6		Introduction to psychology	3
7		International Relations	3
8		Engineering Management	3
9		Introduction to Political Science	3
10		Intrenship	1
11		Technopreneurship	3
12		Industrial Seminar	1

13		Social Work	1
14		Foreign Language	3

\*Lab work are considered mandatory. The concerned tutor(s) are responsible to design the lab work according to the course contents delivered during the semester.

**MASTER OF INFORMATION TECHNOLOGY (MIT) (EVENING)  
2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-60**

**Pre-requisite:** BSIT (Pass) candidates from affiliated colleges with minimum 50% aggregate marks or 2.0 CGPA.

**PREVIOUS**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
MIT 610 Theory of Operating Systems	3	MIT 620 Human Resource Management	2
MIT 612 Design and Analysis of Algorithms	3	MIT 622 Mobile Cellular Communication & WAP	2+1
MIT 614-615 Client Server Technology	2+1	MIT 624 Organizational Behaviour	2
MIT 616-617 Software Engg. Project Management	2+1	MIT 626-527 Multimedia Technology	2+1
MIT 618 IP Telephony	3	MIT 628 Real Time Systems	3
		MIT 630 Micro-Computing Systems	2

**FINAL**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
MIT 710 Compiler Construction	3	MIT 720 E-Commerce	3
MIT 712 Human Computer Interaction	3	MIT 722 Data warehouse and Mining	3
MIT 714 Design of Real Time Software	3	MIT 724 Programming Languages	3
MIT 716 Advanced Data Base Systems	3	MIT 726 Project	6
MIT 718-719 Internetworking Protocols	2+1		

**POSTGRADUATE DIPLOMA IN INFORMATION TECHNOLOGY (EVENING)  
01-YEAR DIPLOMA PROGRAMME (2 SEMESTERS) CH-40**

**Pre-requisite:** B.Com., BBA, B.Sc. (Pass) Physics. Mathematics, Statistics, Chemistry, Functional Mathematics, BE all disciplines with minimum 45% aggregate marks.

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
PGD 510-511 Introduction to Information Technology	3+1	PGD 522-523 Object Oriented Programming	3+1
PGD 512-513 Fundamentals of Algorithm and C	3+1	PGD 524-525 Data Communication and Networking	3+1
PGD 514-515 Digital Electronics	3+1	PGD 526-527 Introduction to Database	2+1
PGD 516-517 Introduction to Operating systems	2+1	PGD 528-529 Visual Programming	3+1
PGD 518 Fundamental of Mathematics	3	PGD 530 Calculus	3
PGD 520 Financial Accounting	2	PGD 532 Fundamentals of Management	2

**Note:** In case the number of students seeking admission in any discipline is less than 20, then the classes will not be started.

## BS (DATA SCIENCE): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-133

### Program Structure of BS (Data Science)

Program Structure BS (Data Science) has a dual emphasis on basic principles of statistics and computer science, with foundational training in statistical and mathematical aspects of data analysis. This program develops foundation on broad computer science principles, including algorithms, data structures, data management and machine learning. This program will prepare graduates for a career in data analysis, combining foundational statistical concepts with computational principles from computer science.

#### Pre-requisite:

H.S.C Pre-Engineering or General Science group with mathematics, Physics and Computer background, with atleast 50% aggregate marks and Pre-Entry Test.

#### OR

H.S.C Pre-Medical or equivalent qualification, with atleast 50% aggregate marks and Pre-Entry Test.

*Deficiency: "Students with pre-medical must have to pass deficiency courses of Mathematics of 6 credit hours in first two semesters."*

### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
DASC-310 Discrete Structures	3	IS-304 Islamic Studies / Ethics	2
DASC-312-313 Programming Fundamentals	4	ENG-303 Communication & Presentation Skills	3
DASC-314-315 Information & Communication Technologies	2+1	DASC-320-321 Object Oriented Programming	3+1
ENG-300 English Composition & Comprehension	3	DASC-322 Calculus & Analytical Geometry	3
PS-302 Pakistan Studies	2	DASC-324 University Elective-I/	3
DASC-316-317 Electronic Devices and Circuits	2+1	DASC-326-327 Computer Science core/ Digital Logic and Design	2+1

### SECOND YEAR

Third Semester	C.H.	Fourth Semester	C.H.
DASC-410 Software Engineering	3	DASC-422-423 Database Systems	3+1
DASC-412-413 Data Structures and Algorithms	3+1	DASC-424-425 Computer Networks	3+1
DASC-414 Linear Algebra	3	DASC-426 Differential Equations	3
DASC-416 Probability & Statistics	3	DASC-428 University Elective-II/ Intro to Social Media Marketing	3
DASC-418-419 Computer Science core/ Computer Organization and Assembly Language Programming	3+1	DASC-430-431 Artificial Intelligence	3+1

### THIRD YEAR

Fifth Semester	C.H.	Sixth Semester	C.H.
DASC-510 Data Science Elective – I	3	DASC-520-521 Data Warehousing & Business Intel.	2+1
DASC-512-513 Operating Systems	3+1	DASC-522 Parallel and Distributed Computing	2+1
DASC-514 Advanced Statistics	3	DASC-526 Data Science Elective -II	2+1
DASC-516 Analysis of Algorithms	3	DASC-524-525 Data Science Elective-III/	2+1
DASC-518-519 Introduction to Data Science	2+1	DASC-528 University Elective-III/	3

### FOURTH YEAR

Seventh Semester	C.H.	Eighth Semester	C.H.
ENG-610 Technical & Business Writing	3	DASC-622-623 Data Visualization	3
DASC-612 Information Security	3	DASC-624 University Elective-IV	3
DASC-614-615 Big Data Analytics	2+1	DASC-626 Professional Practices	3
DASC-616-617 Data Mining	2+1	DASC-629 Final Year Project Part II	4
DASC-618 Data Science Elective – IV	3		
DASC-621 Final Year Project Part I	2		

\*Lab work are considered mandatory. The concerned tutor(s) are responsible to design the lab work according to the course contents delivered during the semester.



Note: The following list of university electives is not limited. The courses are offered subject to the availability of faculty.

UNIVERSITY ELECTIVE COURSES			
S#	Code	Course Name	Credit Hours
1		General Elective-I /	3
2		General Elective-II/	3
3		General Elective-III/	3
4		University Elective-IV	3
			(12/133)

UNIVERSITY ELECTIVE COURSES			
S#	Code	Course Name	Credit Hours
1		Introduction to Philosophy	3
2		Introduction to Social Media Marketing	3
3		Introduction to Management	3
4		Introduction to Sociology	3
5		Introduction to psychology	3
6		International Relations	3
7		Engineering Management	3
8		Introduction to Political Science	3
9		Internship	1
10		Technopreneurship	3
11		Social Work	1
12		Foreign Language	3

## DEPARTMENT OF SOFTWARE ENGINEERING

### About the Department

In 2002 Institute of Information and Technology (IIT), was among the first few institutes of Pakistan of its kind offering a 4-year 8-semester undergraduate Programme in Software Engineering. Over time, it has undergone a number of revamps and currently Department of Software Engineering is one of the constituent departments of the recently established Faculty of Engineering and Technology which offers a 4-year 8-semester undergraduate Programme in BS Software Engineering.

BS Software Engineering Programme is offered in Morning as well as in Evening shift and has been accredited with National Computing Education Accreditation Council (NCEAC) since 2015, an authority setup by Higher Education Commission (HEC) Pakistan to ensure quality in degree Programs to meet certain defined standards or criteria that are accepted worldwide.

Department of Software Engineering has a highly qualified faculty, most of whom have earned their Ph.D. degrees from national and international universities of high stature and are up to date with the latest research trends. The Department is well equipped with state-of-the-art software, hardware, electronic and communication laboratories along with the seminar library having access to HEC digital library to cater the needs of theoretical and practical components of the courses.

The curriculum of BS Software Engineering Programme includes the courses that contribute towards the art of engineering complex systems, the students seek skills relevant to research, design, development, and testing to build the robust systems to enable computers perform tasks optimally with the creative applications, and that too are in line with HEC guidelines.

The main objectives of Department of Software Engineering is to impart quality education to the students following a strong and coherent Programme that equips them with latest skills for industry and research activities, trains them to contribute effectively towards the society through problem solving skills, application of engineering knowledge and leadership, and lifelong learning attitude after completion of their degree.

### **The present faculty comprises the following:**

**Pathan Kamran Taj, Professor and Chairman**

MSc Computer Technology (S.U) 1999, PhD (University of Leicester, UK) 2013

**Arjo Niaz Hussain, Associate Professor**

BCIT (Hons) (S.U) 2002, PhD (University of Leicester, UK) 2012

**Hakro Dil Nawaz, Associate Professor**

BCIT (Hons) (S.U) 2002, MPhil (IT) (S.U) 2012, PhD (USM, Malaysia) 2015

**Bhutto Arifa, Assistant Professor**

MSc Computer Technology (S.U) 1997, PhD (Aalborg University, Denmark) 2018

**Dahri Kamran, Assistant Professor**

BS (Hons) Software Engineering (S.U) 2005, MS (PAFKIET) 2013

**Memon Bisharat Rasool, Assistant Professor**

BS (Hons) Software Engineering (S.U) 2005, MS (SDU, Denmark) 2013, PhD (SDU, Denmark) 2016

**Qabulio Mumtaz, Assistant Professor**

BS Software Engineering (S.U) 2010, PhD (Computer Science) (S.U) 2019

**Soomro Arjumand Bano, Lecturer**

BCIT (Hons) (S.U) 2002, PhD (IIUM, Malaysia) 2018

**Chandio, Mirhazar Khan, Teaching Assistant**

BS (Hons) Information Technology 2017, MS (Hons) Information Technology 2021

### **BS (SOFTWARE ENGINEERING): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) (MORNING & EVENING) CH-136**

Pre-requisite: H.S.C Pre- Engineering or General Science group with Mathematics, Physics and/or Computer background, with at least 50% aggregate marks, Pre- Entry Test.

### FIRST YEAR

<b>First Semester</b>		<b>C.H.</b>	<b>Second Semester</b>		<b>C.H.</b>
EN 23-300	English Composition & Comprehension (General Education)	3	EN 23-312	Communication & Presentation Skills (General Education)	3
PS 23-302	Pakistan Studies (General Education)	2	IS 23-314-315	Islamic Studies / Ethics (General Education)	2
SE 23-304-305	Electronic Devices & Circuits (Mathematics & Science Foundation)	2+1	SE 23-316	Discrete Structures (Computing-Core)	3
MT 23-306	Calculus & Analytical Geometry (Mathematics & Science Foundation)	3	SE 23-318-19	Object Oriented Programming (Computing Core)	3+1
SE 23-308	Fundamentals (Comp. Core) Information and Communication Technologies (General Education)	2	SE 23-320	Software Engineering (Computing-Core)	3
SE 23-310-311	Programming Fundamentals (Computing-Core)	3+1	SE 23-322	SE Elective-I (SE Elective)	2+1
			SE 23-323		

### SECOND YEAR

<b>Third Semester</b>		<b>C.H.</b>	<b>Fourth Semester</b>		<b>C.H.</b>
MT 23-400	Probability & Statistics (Mathematics & Science Foundation)	3	MT 23-410	Linear Algebra (Mathematics & Science Foundation)	3
SE 23-402	Data Structures and Algorithms (Computing-Core Courses)	3+1	SE 23-412	Database Systems	3+1
SE 23-403			SE 23-413		
SE 23-404	Software Requirements Engineering (SE Core Courses)	3	SE 23-414	Computer Networks	3+1
SE 23-406	University Elective-I (University Elective)	3	SE 23-415		
SE 23-408	SE Elective II (SE Elective)	3+1	SE 23-416	Software Design & Architecture (SE Core Courses)	2+1
SE 23-409			SE 23-417		
			SE 23-418	E-Business (General Education)	2

### THIRD YEAR

<b>Fifth Semester</b>		<b>C.H.</b>	<b>Sixth Semester</b>		<b>C.H.</b>
SE 23-500	Operating Systems (Computing-Core Courses)	3+1	SE 23-510	Human Computer Interaction (SE Core Courses)	3
SE 23-501			SE 23-512	Business Process Engineering (SE Supporting)	3
SE 23-502	Web Engineering	3+1			

SE 23-503	(SE Core Courses)		SE 23-514	Software Construction & Development (SE Core Courses)	2+1
SE 23-504	Formal Methods in Software Engineering	3	SE 23-515		
SE 23-506	University Elective-II (University Elective)	3	SE 23-516	Simulations and Modelling (SE Supporting)	3
SE 23-508	SE Elective III (SE Elective)	3+1	SE 23-518	University Elective III (University Elective)	3
SE 23-509			SE 23-520	SE Elective-IV (SE Elective)	3

### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>	<b>Eighth Semester</b>		<b>C.H.</b>
EN 23-600	Technical & Business Writing (General Education)	3	SE 23-610	Professional Practices (General Education)	2
SE 23-602	Entrepreneurship (General Education)	2	SE 23-612	Information Security (Computing-Core Courses)	2+1
SE 23-604	Software Quality Engineering (SE Core Courses)	2+1	SE 23-614	Software Re-Engineering (SE Core Courses)	3
SE 23-605			SE 23-615		
SE 23-606	Software Project Management (SE Core Courses)	3	SE 23-616	SE Elective-V (SE Elective)	
SE 23-608	University Elective IV (University Elective)	3	SE 23-617		
SE 23-618	Final Year Project (Part-I) (Computing-Core)	3	SE 23-618	Final Year Project (Part-II) (Computing Core)	6

\*Lab work is considered mandatory. The concerned teacher(s) is/are responsible to design the lab work according to the course contents delivered during the semester.

\*APS=as per selection

<b>UNIVERSITY ELECTIVE COURSES</b>		
Semester	Course Title	Credit Hours
3 <sup>rd</sup>	Management Related*	3
	Foreign Language	3
5 <sup>th</sup>	Artificial Intelligence*	3
	Social Service	3
6 <sup>th</sup>	Data Science*	2+1
	Social Science Related	3
7 <sup>th</sup>	Economy Related	3
	Mobile and Pervasive Computing*	3
	<b>Total</b>	<b>12</b>

## DEPARTMENT OF TELEMEDICINE AND e-HEALTH

In 2005, the Institute of Information Technology, University of Sindh started a 2-year master of science in Telemedicine and e-health degree program and 1-year Post Graduate Diploma in Digital Health. Master's degree in Telemedicine and e-health provides a thorough introduction to medical technology and use of telemedicine to provide better services to the healthcare sector. The Post Graduate Diploma in Digital Health is designed for the people working or planning to work in health sector management and leadership roles to deliver effective, sustainable, safe and efficient patient-centered health.

TELEMEDICINE AND e-HEALTH combine the fields of medicine, information science and information technology to formulate various systems for generating, validating, securing and integrating health-related data. The purpose is to deliver effective, integrated, and high quality health care to patients. It involves bringing together various resources, techniques and systems to maximize the use of the wealth of medical knowledge, technological advances and drug breakthroughs that are available.

**The present faculty comprises the following:**

Memon Shahzad Ahmed, Professor and **Chairman**  
M.Sc. Electronics (S.U.) 1999, Ph.D. (Brunel University, UK) 2013

Need based shared faculty members from other departments.

### TELEMEDICINE AND e-HEALTH (EVENING)

#### M.Sc. 2 YEARS DEGREE PROGRAMME CH-40

**Pre-requisite:** MBBS, BDS, B-Pharmacy, BS/BSC Medical Technology/ Bio-Technology/ Biochemistry/ Microbiology/Telecommunication/ Computer Science/ Software Engineering/Information Technology, Physiology and BE Computer Systems, Electronics, Zoology and Botany.

First Semester	C.H.	Second Semester	C.H.
TMED 510-511 Healthcare Informatics	2+1	TEMED 522-523 Communication and Networks	2+1
TMED-512 Knowledge, Information and Data	2	TEMED 524-525 Knowledge Discovery and Data mining	2+1
TEMED 514-515 Telemedicine Devices	2+1		

TEMED 516-517 Clinical Systems	2+1	TEMED-526 Information Processing in Healthcare	3
TEMED-518 Telemedicine and e-Health	3	TEMED-527 Healthcare Information Resources Management	3
TEMED-520 Remote Healthcare	3	TEMED-528 Patient Informatics	3

#### Third & Fourth Semester C.H.

**Students will carry out research project work**

TEMED-618 Research Project	8
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**Note:** The students who complete courses of two semesters only, will be awarded **Diploma in Telemedicine and e- Health** and the students who opt for one-year research project, after two-semester taught courses, will be awarded **M.Sc. in Telemedicine and e-Health** on successful completion.

### POST GRADUATE DIPLOMA (PGD) IN DIGITAL HEALTH

#### 01-YEAR (02 SEMESTERS) DEGREE PROGRAMME CH-24

**Pre-requisite:** 4-Year BS in Information Technology, Software Engineering, Telecommunications, Electronics, Computer Science, Physiology, Biochemistry, Biomedical, MBBS, PharmD other relevant biological and health science disciplines.

First Semester	C.H.	Second Semester	C.H.
DIHE-702 Information & Communication Technologies	3	DIHE-802 Medical Internet of Things	3
DIHE-704 Health Management Information System	2+1	DIHE-804 Virtual Engagements in Healthcare	3
DIHE-706 Medical Data Acquisition Systems	3	DIHE-806 Assessment and Diagnostic Technologies	2+1
DIHE-708 Statistics for Healthcare	2+1	DIHE-808 Security and Privacy in Digital Health Systems	3

# FACULTY OF ISLAMIC STUDIES

The Faculty of Islamic Studies was established in June, 1992. It comprises of the following two departments, that were earlier functioning under the umbrella of Faculty of Arts:

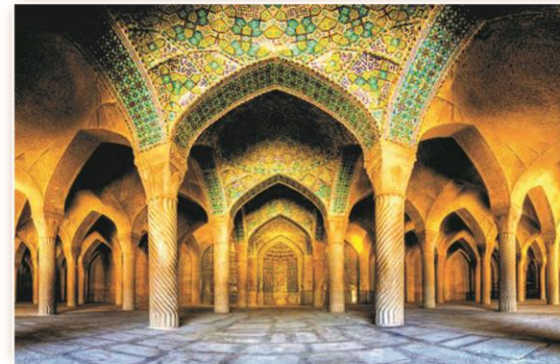
1. Department of Comparative Religion and Islamic Culture  
(Established 1952)
2. Department of Muslim History  
(Established 1953)



**Prof. Dr. Hafiz Munir Ahmed Khan**  
Dean  
Ph.D. (SU)

## PROGRAMMES

BS Comparative Religion  
BS Islamic Studies  
BS Muslim History



## DEPARTMENT OF COMPARATIVE RELIGION AND ISLAMIC CULTURE

This department is the second oldest teaching department of the University, established in 1952. It offers BS (4-Years) in Comparative Religion and Islamic Culture as well as MA Previous & Final. It also offers Postgraduate degree Programmes in the disciplines of (i) Comparative Religion and (ii) Islamic Culture. It has produced more than 256 Ph.D. and more than 40 M.Phil. degrees in the subject of Islamic Culture since its inception. This is the highest number of Ph.Ds. produced in any discipline at the University of Sindh.

### The teaching faculty comprises the following: -

**Khan, Hafiz Munir Ahmed, Professor & Dean**

MA (Is. Cul) 1992, MA (Arabic) 1995, Ph.D. 1997 (S.U.)

**Arain, Naheed, Associate Professor & Chairperson**

MA (Is. Cul) 2002, MA (Religion) 2007, Ph.D. (S.U.) 2011

**Rind, Bashir Ahmed, Associate Professor**

MA (S.U.) 1997, Ph.D. (S.U.) 2007

**Kandhro, Mukhtiar Ahmed, Associate Professor**

MA Arab. Lit (SALU) 2000, MA Is. studies (IIUI) 2004, Ph. D, Is. Studies (UK)

**Nizamani, Nizamuddin, Assistant Professor**

MA (S.U.) 1996

**Bhutto, Hafiz Sibghatullah, Assistant Professor**

MA (Is. Cul) (S.U.) 2003, Ph.D. (S.U.) 2021

**Bhutto, Jabeen, Assistant Professor**

MA (Is. Cul) (S.U.) 1994, Ph.D. (S.U.) 2015

**Kaloi, Abdul Rehman, Assistant Professor**

MA (S.U.) 2001, Ph.D. (Mahidol University, Thailand) 2017

### BS (ISLAMIC STUDIES): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C., Pre-Entry Test.

#### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
IS 300 Islamic Studies (Compulsory)	2	ENG 306 English – II (Compulsory)	3
ENG 301 English I (Compulsory)	3	PS 307 Pakistan Studies (Compulsory)	2
CS 302 Introduction to Computer Skills (Compulsory)	3	ST 308 Statistics – I	3
IS 303 Minor – I	3	IS 309 Minor – 3	3
IS 304 Minor – 2	3	IS 310 Minor – 4	3
IS 305 Introduction of Topics of Holy Quran (F-1)	3	IS 311 Arabic Languages – I (F-2)	3

#### SECOND YEAR

Third Semester	C.H.	Fourth Semester	C.H.
ENG 400 English III (Compulsory)	3	ENG 406 English – IV (Compulsory)	3
SINDI/URD 401 Sindhi/Urdu – I (Compulsory)	3	SINDI/URD 407 Sindhi/Urdu – II (Compulsory)	3
IS 402 Minor – 5	3	IS 408 Minor – 7	3
IS 403 Minor – 6	3	IS 409 Minor – 8	3
IS 404 Uloom-Al-Quran (F-3)	3	CIVIL 410 Civilization (Compulsory)	3
GEOG 405 Geography (Compulsory)	3	IS 411 Arabic Language – II (F-4)	3

#### THIRD YEAR

Fifth Semester	C.H.	Sixth Semester	C.H.
IS 500 History of Tafseer & its Principles (F-5)	3	IS 505 Textual Study of Al-Quran-II (M-2)	3
IS 501 Textual Study of Al-Quran-I (M-1)	3	IS 506 Textual Study of Al-Hadith-I (M-3)	3
IS 502 Study of Seerah of Holy Prophet (PBUH) (F-6)	3	IS 507 History of Fiqh (F-9)	3
		IS 508 Fiqh – Al – Sunnah (M-4)	3



IS 503	Uloom-Al- Hadith (F-7)	3	IS 509	Comparative Study of World Religions (M-5)	3
IS 504	Uloom-Al-Fiqh (F-8)	3	IS 510	Al-Dawah-wal-Irshad (M-6)	3

#### FOURTH YEAR

Seventh Semester			C.H.	Eighth Semester			C.H.
IS 600	Fiqh-Al-Quran (M-7)	3		IS 606	Muslim Economies Thought(M-10)	3	
IS 601	Textual Study of Muslim Family Laws (M-8)	3		IS 607	Philosophy and Objectives of Shariah (E-4)	3	
IS 602	Methodology of Research in Islamic Studies (E-I)	3		IS 608	Modern Muslim World: Resources and Problems (E-5)	3	
IS 603	History of Islamic Culture and Civilization (M-09)	3		IS 609	Research Project & Viva-Voce (M-11)	6	
IS 604	Akhlaq and Tasawwuf (E-2)	3					
IS605	Philosophy and Ilm-Al-Kalam(E-3)	3					

#### MA (ISLAMIC STUDIES): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-72

Pre-requisite: Bachelor degree preferably with Islamic Culture as one of the elective subjects

#### FIRST YEAR

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
IS 500	History of Tafseer & its Principles (F-5)	3		IS 506	Textual Study of Al-Quran-II (M-2)	3	
IS 501	Textual Study of Al-Quran-I (M-1)	3		IS 507	Textual Study of Al-Hadith-I (M-3)	3	
IS 502	Study of Seerah of Holy Prophet (PBUH) (F-6)	3		IS 508	History of Fiqh (F-9)	3	
				IS 509	Fiqh – Al – Sunnah (M-4)	3	
IS 503	Uloom-Al- Hadith (F-7)	3		IS 510	Comparative Study of World Religions (M-5)	3	
IS 504	Uloom-Al-Fiqh (F-8)	3					
RE 505	Remedial English-I (Compulsory)	3		IS 511	Al-Dawah-wal-Irshad (M-6)	3	
				RE 512	Remedial English-II (Compulsory)	3	

#### SECOND YEAR

Third Semester		C.H.	Fourth Semester		C.H.
IS 600	Fiqh-Al-Quran (M-7)	3	IS 606	Muslim Economics Thought (M-10)	3
IS 601	Textual Study of Muslim Family Laws (M-8)	3	IS 607	Philosophy and Objectives of Shariah (E-4)	3
IS 602	Methodology of Research in Islamic Studies (E-I)	3	IS 608	Modern Muslim World: Resources And Problems (E-5)	3
IS 603	History of Islamic Culture and Civilization (M-09)	3	IS 609	Research Project & Viva-Voce (M-11)	6
IS 604	Akhlaq and Tasawwuf (E-2)	3			
IS 605	Philosophy and Ilm-Al-Kalam(E-3)	3			

#### BS (COMPARATIVE RELIGION): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite H.S.C., Pre-Entry Test.

#### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
IS 300	Islamic Studies (Compulsory)	2		ENG 306	English – II (Compulsory)	3	
ENG 301	English I (Compulsory)	3		PS 307	Pakistan Studies (Compulsory)	2	
CS 302	Introduction to Computer Skills (Compulsory)	3		ST 308	Statistics (Compulsory)	3	
CR 303	Minor – I (E)	3		CR 309	Minor -III (E)	3	
CR 304	Minor – II (E)	3		CR 310	Minor – IV (E)	3	
CR 305	Pre-Islamic Religions of Holy Quran (F)	3		CR 311	History of Revealed Religions (F)	3	

## SECOND YEAR

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
ENG 400 English III (Compulsory)	3	ENG 406 English – IV (Compulsory)	3
SIN/URD 401 Sindhi/Urdu - I (Compulsory)	3	SIN/URD 407 Sindhi/Urdu - II (Compulsory)	3
CR 402 Minor – V (E)	3	CR 408 Minor - VII (E)	3
CR 403 Minor – VI (E)	3	CR 409 Minor – VIII (E)	3
GEOG 404 Geography (Compulsory)	3	CIVIL 410 Civilization (Compulsory)	3
CR 405 History of Non Revealed Religions (F)	3	CR 411 Western Criticism of Judaism And Christianity (F)	3

## THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
CR 500 Thematic Tafsir of Belief Verses (F)	3	CR 505 Comparative Religion - II (Issues/Debates) (M)	3
CR 501 Study if Seerah (F)	3	CR 506 Psychology of Religion - II (M)	3
CR 502 Comparative Religion - I (Foundation and Development) (M)	3	CR 507 Sociology of Religion - II (M)	3
CR 503 Psychology of Religion - I (M)	3	CR 508 Orientalism (F)	3
CR 504 Sociology of Religion - I (M)	3	CR 509 Al-Dawah wa Al-Irshad (F)	3
		CR 510 Islam and Modern Western Thoughts (F)	3

## FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
CR 600 Comparative Religion - III (Issues/Debates) (M)	3	CR 606 Comparative Religion - IV (Textual Study) (M)	3
CR 601 Philosophy of Religion-I (M)	3	CR 607 Philosophy of Religion – II (M)	3
CR 602 Religion and Science – I (M)	3	CR 608 Religion and Sciences-II (M)	3
CR 603 Akhlaq and Tasawwuf (F)	3	CR 609 Research Project & Viva-Voce (M)	6
CR604 Methodology of Research in Comparative Religion (F)	3		
CR 605 Interfaith Dialogue and Islam(M)	3		

## MA (COMPARATIVE RELIGION): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-72

Pre-requisite: Bachelor degree preferably with Religion as one of the elective subjects.

## FIRST YEAR

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
CR 500 Thematic Tafsir of Belief Verses (F)	3	CR 505 Comparative Religion - II (Issues/Debates) (M)	3
CR 501 Study if Seerah (F)	3	CR 506 Psychology of Religion - II (M)	3
CR 502 Comparative Religion - I (Foundation and Development) (M)	3	CR 507 Sociology of Religion - II (M)	3
CR 503 Psychology of Religion - I (M)	3	CR 508 Orientalism (F)	3
CR 504 Sociology of Religion - I (M)	3	CR 509 Al-Dawah wa Al-Irshad (F)	3
RE 505 Remedial English (Compulsory)	3	CR 510 Islam and Modern Western Thoughts (F)	3
		RE 511 Remedial English (Compulsory)	3

## SECOND YEAR

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
CR 600 Comparative Religion - III (Issues/Debates) (M)	3	CR 606 Comparative Religion - IV (Textual Study) (M)	3
CR 601 Philosophy of Religion-I (M)	3	CR 607 Philosophy of Religion – II (M)	3
CR 602 Religion and Science – I (M)	3	CR 608 Religion and Sciences-II (M)	3
CR 603 Akhlaq and Tasawwuf (F)	3	CR 609 Research Project & Viva-Voce (M)	6
CR 604 Methodology of Research in Comparative Religion (F)	3		
CR 605 Interfaith Dialogue and Islam(M)	3		

## DEPARTMENT OF MUSLIM HISTORY

The Department of Muslim History was established in 1952-53 at Elsa Kazi Campus, Hyderabad. In September 1971 the Department of General History and Muslim History were merged under the name of Department of History. Again in 1978, they were bifurcated into Muslim History and General History. The Department of Muslim History offers 4-year Degree Programme and MA (Pass) in the discipline of Muslim History.

The BS 4-year Programme in Muslim History was introduced from the Academic year 2015. This department is imparting quality education and teaching Programmes are revised and updated as per requirement of the society. This department has also started M.Phil. Programme. This department with the help of qualified faculty members is providing up to date knowledge of various subjects of History of the Muslims from the advent of Islam up to the History of Freedom Movement of Pakistan.

### The teaching faculty comprises the following:

Laghari, Muhammad Ali, Assistant Professor and (Incharge Chairman)  
Ph.D. (S.U.)

Kabooro, Nasrullah, Assistant Professor  
Ph.D. (S.U.)

Mughal, Muhammad Mudassir Nawaz, Assistant Professor (On Adhoc)  
MA (S.U.)

Solangi, Farzana, Lecturer  
M.Phil (S.U.)

Syed, Wali Muhammad Shah, Lecturer  
MA (S.U.)

### BS (MUSLIM HISTORY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-135

Pre-requisite: H.S.C or Equivalent; Pre-Entry Test.

#### First Year

First Semester		C.H.
ENG 300	English	3
IS/ET302	Islamic Studies/ Ethics for Non-Muslim	2
CS/STAT 306	Computer Skills/ Statistics	3
MH 310	History of life of Prophet Muhammad (S.A.W)	4
	Minor-I	3
350	Minor-II	3

Second Semester		C.H.
ENG 301	English	3
PS 303	Pakistan Studies	2
CS/ STAT 308	Computer Skills/ Statistics	3
MH 312	History of Pious Caliphs (Khulafai Rashdin)	4
	Minor - I	3
351	Minor - II	3

#### Second Year

First Semester		C.H.
ENG 400	English	3
SIND/URD 402	Sindhi / Urdu	2
GS/GEOG/ CIV406	General Mathematics/ Geography/ Civilization	3
MH 410	History of Banu Umayyad of Damascus	4
	Minor - I	3
450	Minor - II	3

Second Semester		C.H.
ENG 401	English	3
SIND/URD 403	Sindhi / Urdu	2
RD/ ENVI 408	Rural Development/ Environmental Science/ General Science	3
MH 412	History of Banu Abbasids of Baghdad (Abbasids Movements up to Mutawakill)	4
	Minor - I	3
451	Minor - II	3

### Third Year

First Semester		C.H.
MH 501	History of Muslim Rule in Western Europe-I (Muslims in Spain)	3
MH 502	History of Muslim Rule in South Asia (711 - 1526)	3
MH 503	History of Sindh (Ancient times to Soomra's)	3
MH 504	History of Freedom Movement of Pakistan (1857 – 1929)	3
MH 505	History of Muslim Historiography	3
Second Semester		C.H.
MH 551	History of Muslim Rule in Western Europe-II (Muslims in Spain)	3
MH 552	History of Muslim Rule in South Asia (1526 - 1857)	3
MH 553	History of Sindh (Samas to Talpures)	3
MH 554	History of Freedom Movement of Pakistan (1930 – 1947)	3
MH 555	History of Muslim Historiography-II	3

### Fourth Year

First Semester		C.H.
MH 601	History of Muslim Rule in Eastern Europe (Ottoman Empire)-I	3
MH 602	History of Muslim Political Thought - I	3
MH 603	History of Modern Muslim World (Iran, Turkey)	3
MH 604	History of Muslim Institutions - I	3
MH 605	History of Modern Sindh (1843 - 1924)	3
Second Semester		C.H.
MH 651	History of Muslim Rule in Eastern Europe (Ottoman Empire)-II	3
MH 652	History of Muslim Political Thought - II	3
MH 653	History of Modern Muslim World (Egypt, Saudi Arabia)	3
MH 654	History of Muslim Institutions - II	3
MH 655	History of Modern Sindh (1924 - 1947)	3
MH 660	Comprehensive Viva-Voce	3

### MA (MUSLIM HISTORY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: Bachelor degree, preferably with Muslim History as one of the elective subjects.

### MA (PREVIOUS) COURSES

First Semester		C.H.
MH 506	History of the life and Teachings of Holy Prophet	3
MH 507	History of Ummayyads of Damascus	4
MH 508	History of Sindh: (Ancient times to Soomra's)	3
MH 509	History of Freedom Movement (1857 - 1906)	3
MH 510	History of Muslim Historiography-I	3
Second Semester		C.H.
MH 556	History of Pious Caliphs (Khulfa Rashdin)	3
MH 557	History of Abbasids of Baghdad	4
MH 558	History of the Sindh (Samas to Talpures)	3
MH 559	History of Freedom Movement (1906 - 1947)	3
MH 560	History of Muslim Historiography - II	3

### MA FINAL (PASS) COURSES

First Semester		C.H.
MH 601	History of Muslim Rule in Eastern Europe (Ottoman Empire)-I	4
MH 602	History of Muslim Rule in Western Europe: (Muslim in Spain-I)	4
MH 604	History of Modern Muslim Counters-I (Iran, Turkey)	4
Optional courses Requirements:		C.H.
MH 603	History of Muslim Political Thought and Administration-I	4
MH 605	Muslim of Muslim Institutions-I	4
Second Semester		C.H.
MH 651	History of Muslim Rule in Eastern Europe (Ottoman Empire-II)	4
MH 652	History of Muslim Rule in Western Europe: (Muslim in Spain-II)	4
MH 654	History of Modern Muslim Counters-II (Egypt, Saudi Arabia)	4
MH 660	Comprehensive Viva-Voce	2
Optional courses Requirements:		C.H.
MH 653	History of Muslim Political Thought and Administration - II	4
MH 655	History of Muslim Institutions - II	4

## FACULTY OF **LAW**

The faculty of law of the University of Sindh was established in 1950 under the University of Sindh Act-1947 with such outstanding personalities as Honorable Justice Tayabji as the first Dean. However, it remained practically dormant as the LL.B teaching was conducted through Government law Colleges affiliated to the University. It was revived in 1989 through the statutes framed under 1972 Act of the University of Sindh. Professor P.M Amar, Jehangir Hussain Shah and Ahmed Ali Shaikh remained Dean Faculty of Law. Since 02-07-2011 MrJhamatJethanand is Dean Faculty of Law. With increasing demand for legal education new Law Colleges have been established in the public and private sector. Presently, 19 law colleges (4 in public and 15 in private sector) are affiliated with the University of Sindh offering LL.B degree as per regulations of the Pakistan Bar Council.

With growing demand for experts and highly qualified professionals, under the changing socio-political scenario, it was felt that legal education at Master level be imparted. The University of Sindh therefore, established the Department of Law in July 2005 to offer two year LL.M program. The Department was officially inaugurated by the then Chief Justice Sindh High Court; late Justice Sabihuddin Ahmed and LL.M classes were started under evening program.

The University has also pioneered the introduction of Bachelor of Law (Hons) five years (Ten semesters) Degree program. That would fulfill the long felt demand to produce full time educated professionals, to meet the challenges in the global context. The 1st batch was inducted in October 2008 and teaching commenced in February 2009. The said batch passed out in 2013.



**Jhamat Jethanand**  
Dean

### **Mission**

To produce high qualified law professional who by joining Judiciary, Prosecution, Police and other departments can perform their role to eliminate corruption and injustice and to make the society civilized by assisting in access to justice.

### **Vision**

To develop law faculty as leading law Institution in the region imparting high quality legal education and contributing in legislation by way of research.

### **PROGRAMMES**

#### ***Bachelor Degree Programme***

**LLB (5 Years 10 Semesters)**

#### ***Master Degree Programme (Evening)***

**LLM (2 Years 4 Semesters)**



## INSTITUTE OF LAW

The Department of Law was promoted to Institute of Law in 2008-09. Mr Muhammad Yousuf Laghari was the first Chairman of the Department and became Director of the Institute of Law. Vide notification dated 01-11-2010 two member's committee consisting of Mr Jhamat Jethanand and Professor Aftab Ahmed Shaikh was appointed to look after the management of the Institute of Law.

### **Faculty**

The Institute of Law is privileged to have services of highly qualified permanent and visiting faculty to teach Master and Bachelor Programmes.

#### **The Permanent Faculty:**

Laghari, Ali Raza (Assistant Professor and Incharge)  
LL.M. (K.U.), LL.B. (S.U.), Fellowships USA, Singapore

Syed, Sardar Ali Shah (Assistant Professor)  
LL.M. (S.U.), LL.B. (S.U.)

Barkat Arun (Assistant Professor)  
LL.M. (London), LL.B. (K.U)

Anjum Rehana (Assistant Professor)  
LL.M. (S.U.), LL.B. (S.U.)

Jatoi, Shabana Kausar (Lecturer)  
LL.M. (S.U.), LL.B. (S.U.)

Mangi, Danish Bashir (Lecturer)  
LL.M. (S.U.), LL.B. (S.U.)

#### **The visiting faculty:**

Prof. Bhutto, Sanaullah  
Post Doctorate Islamic Studies (Australia) Ph. D Islamic Studies (S. U) M.Phil. Sharia Law (Madina)

Soomro, Arshad Hussain  
LL.B. (S.U.)

Siddiqui, Hakim Ali  
LL.B. (S.U.)

Baloch, Ghulam Sarwar  
LL.M. (S.U.), LL.B. (S.U.)

Memon, Hyder Ali  
LL.M. (S.U.), LL.B. (S.U.), M.Sc. Criminology (S.U.)

Syed, Wasi Hyder  
LL.M. (S.U.), LL.B. (S.U.)

Qureshi, Karim Bux  
LL.B. (S.U.), MA English (S.U.)

Sipio, Mohammad Aslam  
LL.M. (K.U.), LL.B. (S.U.)

Soomro, Parveen  
LL.B. (S.U.)

Siddiqui, Abdul Waheed  
LL.B. (S.U.)

Syed, Ahmed Rasheed  
LL.M. (S.U.), LL.B. (S.U.)

Nasira  
LL.M. (S.U.), LL.B. (S.U.)

Khoso, Fouzia  
LL.B. (S.U.)

Qureshi, Riazuddin  
LL.M. (S.U.), LL.B. (S.U.)

Iqra Majeed  
MS English (MUET), BS (English) (S.U.)

Kolachi, Mohammad Ali  
LL.M. (S.U.), LL.B. (S.U.)

Buriro, Javed Ali  
LL.M. (S.U.), LL.B. (S.U.)

Naveed Sharif  
LL.M. (S.U.), LL.B. (S.U.)



Naresh Kumar  
LL.M. (S.U.), LL.B. (S.U.)  
Jatoi, Mohammad Nouman  
LL.B. (S.U.)  
Bughio, Salma  
LL.M. (S.U.), LL.B. (S.U.)  
Sahito, Azad Ali  
LL.M. (S.U.), LL.B. (S.U.)  
Khilji, Muhammad Mubasher  
LL.M. (S.U.), LL.B. (S.U.)  
Sohail Hussain  
LL.M. (S.U.), LL.B. (S.U.)  
Pireh Anwar  
LL.B. (S.U.)  
Riyasat Ali  
LL.B. (S.U.)  
Din Muhammad  
LL.B. (S.U.)  
Dhiraumal  
LL.B. (S.U.)

### LL.B. (HONS) 5 YEARS DEGREE PROGRAMME (10 SEMESTERS) CH-180

Pre-requisite: H.S.C with at least 45% marks and Law Admission Test (LAT) by HEC with 50% passing marks.

#### FIRST YEAR

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
ENG 301 English Language-I	3	ENG 307 English Language-II	3
PS 302 Pakistan Studies	3	IS/ET 308 Islamic Studies/ Ethics for Non-Muslims	3
LAW 303 Introduction to Jurisprudence-I	3	LAW 309 Introduction to Jurisprudence-II	3
SOC 304 Introduction to Sociology	3	SD 310 Skills Development	3
LAW 305 Legal System of Pakistan	3	LAW 311 Constitutional Development in Pak	3
LAW 306 Law of Contract-I	3	LAW 312 Law of Contract - II	3

#### SECOND YEAR

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
LAW 401 Public International Law-I	3	LAW 407 Public International Law-II	3
LAW 402 Constitutional Law-I (UK and USA)	3	LAW 408 Constitutional Law-II (Pakistan)	3
MATH 403 Basic Mathematics	3	LAW 409 Islamic Personal Law	3
ECO 404 Fundamentals of Economics	3	LAW 410 Human Rights Law	3
PSc 405 Principles of Political Science	3	LAW 411 Law of Torts	3
LAW 406 Islamic Jurisprudence	3	LAW 412 Legal English	3

#### THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
LAW 501 Administrative Law	3	LAW 507 Labour and Employment Laws	3
LAW 502 Corporate Law-I	3	LAW 508 Law of Property	3
LAW 503 Criminal Law-I	3	LAW 509 Criminal Law-II	3
LAW 504 Legal Argument and Reasoning	3	LAW 510 Corporate Law-II	3
LAW 505 Revenue Law	3	LAW 511 Cyber Law	3
LAW 506 Intellectual Property Law	3	LAW 512 Energy Law	3

#### FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eights Semester</i>	<i>C.H.</i>
LAW 601 Banking Law	3	LAW 607 Interpretation of Statutes and Legislative drafting	3
LAW 602 Law of Civil Procedure-I	3	LAW 608 Law of Civil Procedure-II	3
LAW 603 Conflict of Laws	3	LAW 609 Pleading and Conveyancing	3
LAW 604 Environmental Law	3	LAW 610 Law of Equity, Trust and Specific Relief	3
LAW 605 Arbitration, Limitation & Rent Laws	3	LAW 611 Taxation Law	3
LAW 606 International Humanitarian Law	3	LAW 612 Municipal Law	3

### FIFTH YEAR

Ninth Semester			C.H.	Tenth Semester			C.H.
LAW 701	Law of Criminal Procedure-I	3		LAW 707	Law of Criminal Procedure-II	3	
LAW 702	Law of Evidence-I	3		LAW 708	Law of Evidence-II	3	
LAW 703	Research Methodology	3		LAW 709	Moot Cases and Role Playing	3	
LAW 704	Illegal Dispossession Act	3		LAW 710	Election Laws	3	
LAW 705	Medical & Forensic Law	3		LAW 711	Legal Ethics	3	
LAW 706	International Economic Law	3		LAW 712	Research Projects and Viva	3	

### LLM 2 YEARS (4 SEMESTERS) EVENING DEGREE PROGRAMME

**Pre-Requisite:** LL. B Degree (Second Class) and **Pre Entry Test**

### LL.M PREVIOUS

First Semester			C.H.	Second Semester			C.H.
LAW-803	Shariat Law – I	4		LAW-804	Shariat Law – II	4	
LAW-805	Human Rights – I	4		LAW-806	Human Rights – II	4	
LAW-807	Comparative Study of World Constitution – I	4		LAW-808	Comparative Study of World Constitution – II	4	
LAW-809	Comparative study of Islamic and Western Jurisprudence – I	4		LAW-810	Comparative study of Islamic and Western Jurisprudence-II	4	

**Students of LLM (Previous) are required to secure 2.00 CGPA for promotion to LLM (Final).**

### LLM FINAL

During the final year the students will have choice to select two subjects mentioned below. Law course No. Law-929-930 Research Methodology I and II having 04 credit hours for each Semester is compulsory. The students will have to compulsorily write Dissertation/Research Project/Thesis with the guidance of Supervisor/Director. The topic of the research project/thesis will be decided in consultation with the course supervisor and to be approved by the Thesis Committee.

Third Semester and Fourth Semester		C.H.
LAW-915-16	Labour, Services, Employment and Industrial Relation Law (I & II)	4+4
LAW-917-18	Banking Law (I & II)	4+4
LAW-919-20	Taxation Law (I & II)	4+4
LAW-921-22	Company Law (I & II)	4+4
LAW-923-24	Public International Law (I & II)	4+4
LAW-925-26	Qanoon-e-Shahadat (I & II)	4+4
LAW-927-28	Criminology (I & II)	4+4

**Comprehensive Viva Voce:** Students will have to appear in comprehensive viva voce examination.

**Students are required to secure 2.00 CGPA to get degree.**

# FACULTY OF NATURAL SCIENCES

The Faculty of Natural Sciences is one of the oldest Faculties, established in 1953, starting with Chemistry, Mathematics and Physics departments with addition of Botany (1954), Zoology and Geography (1955) and followed by Geology in 1956. The Faculty has expanded further over the years and now comprises of three Centres, Eight Institutes and Six teaching departments. It is the largest Faculty of the University, with 60% of the total students enrolment. Most of the departments/institutes and their faculty have been actively involved in research. "Sindh University Science Research Journal "Y category" is a regular publication of the Faculty since 1965 with contributions from the faculty members as well as renowned national scholars.

The Faculty also enjoys the distinction of being the first among Public Sector Universities of the country to introduce 4 years Bachelor degree (B.S) program for all the disciplines; The 4 years study provides thorough grounding in the major disciplines alongwith broad-based knowledge in relevant fields, e.g., General Maths courses for Biology students or vice versa, besides, courses under social science, e.g economics, civilization, etc.

## Constituent Centres/Institutes/ Departments

01. Centre for Physical Education, Health and Sports Science
02. Centre for Environmental Science
03. Centre for Pure & Applied Geology
04. Institute of Bio-Chemistry
05. Institute of Biotechnology & Genetic Engineering
06. Dr. M.A. Kazi Institute of Chemistry
07. Institute of Mathematics & Computer Science
08. Institute of Microbiology
09. Institute of Physics
10. Institute of Plant Sciences
11. Department of Anthropology & Archeology
12. Department of Freshwater Biology & Fisheries
13. Department of Geography
14. Department of Physiology
15. Department of Statistics
16. Department of Zoology

## PROGRAMMES

**BS Anthropology and Archeology**

**BS Bio-Chemistry**

**BS Bio-technology**

**BS Botany**

**BS Chemistry**

**BS \*Computer Science**

**BS Coastal and Marine Science**

**BS Environmental Science**

**BS Forestry**

**BS Fresh Water Biology and Fisheries**

**BS Genetics**

**BS Geography**

**BS Geology**



**Prof. Dr. Wazir Ali Baloch**

Dean  
Ph.D (Japan)

**BS Mathematics**

**BS Medical Laboratory Technology**

**BS Microbiology**

**BS Nutrition and Food Technology**

**BS Physics**

**BS Physiology**

**BS Physical Education, Health and Sports Science**

**BS Poultry Farming and Management**

**BS Public Health**

**BS Statistics**

**BS Zoology**

\*Admission on district wise quota basis

## CENTRE FOR PHYSICAL EDUCATION, HEALTH & SPORTS SCIENCE

The Centre was established as "Centre for Health & Physical Education" in 1990 as no Master degree awarding institute was present in Sindh and as a first step, a Master's degree Programme "Master of Health and Physical Education" (M.H.P.Ed.) was introduced. The first batch of this degree Programme was admitted in August, 1991. Later, a two semesters (B.H.P.Ed.) Bachelor in Health & Physical Education degree Programme was also introduced to provide skilled manpower in the field of Physical Education to cater the growing demand in secondary schools, colleges, universities and other national organizations. The Centre is well equipped with required infrastructure of excellent learning in the field of physical education including international standard gymnastic podium, standard badminton halls, table tennis, basketball, volleyball and lawn tennis arena and PCB Cricket Ground. In addition, the Centre is also offering evening Programme since 2005. Keeping in view the growing need for research in the field, in 1999-2000 the centre started M.Phil. and Ph.D. Programme which is successfully going on. As per HEC directives in 2004 regarding the initiation of BS-4 year Programme, the Centre introduced BS-4-year degree Programme in Health & Physical Education in 2005 and became the pioneer of the Programme in Pakistan.

As one step forward in research, the Centre started publishing of its International Journal, "The Shield"-International Journal of Physical Education and Sports Science in 2006 annually. Sixteen volumes and more than 130 research articles have been published so far, and 17<sup>th</sup> Edition is in process and will be published soon. Research journal has been promoted to HEC's "Y" category in 2012.

This Centre is flourishing day by day and has got recognition all over Pakistan as its students have remained in top ranking in many competitive examinations and in the job market of all provinces and Federal Government. 95% students graduated from here are on jobs. The Centre has qualified and experienced faculty who are disseminating knowledge, skills and experience to their students.

### The teaching faculty comprises the following of:

**Ansari, Muhammad Akram, Professor and Director**  
MHPE (S.U.) 1992, Ph.D. (S.U.) 2013

**Ghori, Soniha Aslam, (MD), Professor**  
MBBS & Ph.D. (S.U.) 2014

**Qambrani, Muhammad Rafique, Associate Professor**  
MHPE & Ph.D. (China) 2014

**Syed, Asim Hussain, Assistant Professor**  
MHPE (SU) & M.Phil. (UOL) 2019 & Ph.D. (in Progress)

**Soomro, Javed Ali, Assistant Professor**  
MHPE & Ph. D (China) 2018

**Bhatti, Ghayoor Abbass, Lecturer**  
MHPE

**Keerio, Maryam, Gymnastics Demonstrator (Girls)**  
MHPE

### Ph.D. and M.Phil. Supervisors:

**Dr. Muhammad Akram Ansari, (Ph.D.)**  
Professor  
Centre for Physical Education, Health & Sports Science  
01 Ph.D. Supervised  
01 Ph.D. in Progress  
05 M.Phil. Supervised  
06 M.Phil. in Progress

**Dr. Soniha Aslam (Ph.D.)**  
Professor  
Centre for Physical Education, Health & Sports Science  
01 Ph.D. Supervised  
06 Ph.D. in Progress  
07 M.Phil. Supervised  
08 M.Phil. in Progress

**Dr. Muhammad Rafique Qambrani (Ph.D.)**

Associate Professor  
Centre for Physical Education, Health & Sports Science  
01 Ph.D. in Progress  
05 M.Phil. Supervised

**Dr. Javed Ali Soomro (Ph.D.)**

Assistant Professor  
Centre for Physical Education, Health & Sports Science  
01 Ph.D. in Progress  
03 M.Phil. in Progress

**BS (PHYSICAL EDUCATION, HEALTH & SPORTS SCIENCE): 4 YEARS DEGREE  
PROGRAMME (8 SEMESTERS) CH-141**

Pre-requisite: HSC with 45% marks. The individual who possesses Sports Skills will be given preference. Pre-Entry Test from SUTC, Physical Fitness and Aptitude Test by the Centre is mandatory on next day of the test.

**FIRST YEAR**

<b>First Semester</b>		<b>C.H.</b>
ENG 300	English	3
IS 302	Islamic Studies or Ethics for Non-Muslims	2
CS 306	Computer Skills	3
PEHSS 310	Foundation of Physical Education	3
PEHSS 312	Human Biology	3
PEHSS 315	Skills in Table Tennis, Squash & Tennis Games	1
PEHSS 317	Skills in Athletics Track events (Sprints)	1
PEHSS 319	Skills in Gymnastic (Floor work)	1
<b>Second Semester</b>		<b>C.H.</b>
ENG 302	English	3
PS 304	Pakistan Studies	2
STAT 308	Statistics	3
PEHSS 320	Health Education (Community Health, Hygiene, Nutrition) (Th.)	2
PEHSS 321	Health Education (Community Health, Hygiene, Nutrition) (Lab.)	1
PEHSS 322	Sports First Aid (Th.)	3
PEHSS 323	Sports First Aid (Lab.)	1
PEHSS 325	Skill in Badminton, Net Ball and Hand Ball Games	1
PEHSS 327	Skills in Athletics (Throws events)	1
PEHSS 329	Skills in Gymnastics (Floor Work)	1

**SECOND YEAR**

<b>First Semester</b>		<b>C.H.</b>
ENG 400	English	3
GEO 406	Geography	3
PEHSS 410	Media and Sport (Th.)	2
PEHSS 411	Media and Sport (Lab.)	1
PEHSS 412	Basic Human Anatomy (Th.)	3
PEHSS 413	Basic Human Anatomy (Lab.)	1
PEHSS 414	Introduction to Psychology	3
PEHSS 415	Skills in Basket ball, Foot ball, Shooting ball games	1
PEHSS 417	Skills in Athletics Track events (Long Races)	1
PEHSS 419	Skills in Gymnastics (Apparatus Work)	1
<b>Second Semester</b>		<b>C.H.</b>
ENG 402	English	3
BIOC 404	Fundamentals of Bio-Chemistry (Th.)	2
BIOC 405	Fundamentals of Bio-Chemistry (Lab.)	1
PEHSS 420	Introduction to Physiology (Th.)	2
PEHSS 421	Introduction to Physiology (Lab.)	1
PEHSS 422	Sports Sociology	3
PEHSS 423	Skill in Hockey, Cricket & Volley Ball Games	1
PEHSS 424	Curriculum Development in Physical Education	3
PEHSS 425	Skills in Athletics (Jumps events)	1
PEHSS 427	Skills in Gymnastics (ApparatusWork)	1
<b>THIRD YEAR</b>		
<b>First Semester</b>		<b>C.H.</b>
PEHSS 500	Introduction to Sports Injuries	3
PEHSS 502	Psychology & Sports Science	3
PEHSS 504	Sports Management	3
PEHSS 506	Science of Track and Field	3
PEHSS 508	Health Education (Th.) (Epidemiology of Communicable & Non-communicable Diseases)	2
PEHSS 509	Health Education (Lab.) (Epidemiology of Communicable & Non-communicable Diseases)	1
PEHSS 510	Quantitative Research Methods in Physical Education	2
PEHSS 511	Skills of Gymnastics Floor (Advanced)	1
PEHSS 513	Specialization in Selected (Optional) Games and Athletics	1

**Second Semester C.H.**

PEHSS 512	Traumatology & Rehabilitation (Th.)	2
PEHSS 515	Traumatology & Rehabilitation (Lab.)	1
PEHSS 514	Physical Education for Special Population	3
PEHSS 516	Bio Mechanics of Sports	3
PEHSS 518	Rules & Techniques of Games & Sports (Th.)	2
PEHSS 519	Rules & Techniques of Games & Sports (Lab.)	1
PEHSS 520	Qualitative Research Methods in Physical Education	2
PEHSS 521	Teaching Methods and Demonstration	2
PEHSS 523	Skills of Gymnastics Floor (Advanced)	1
PEHSS 525	Specialization in Selected ( <b>Optional</b> ) Games and Athletics	1

**FOURTH YEAR**

**First Semester C.H.**

PEHSS 600	Sports Medicine	3
PEHSS 602	Test, Measurement & Evaluation in Physical Education	3
PEHSS 606	Nutrition for Sports	3
PEHSS 627	Skills of Gymnastics Apparatus (Advanced)	1
PEHSS 629	Specialization in Selected ( <b>Optional</b> ) Games and Athletics	1
PEHSS 631	Internship/ Projects Work	2
PEHSS 633	Research Project & Viva-Voce (Quantitative)	2

**Second Semester C.H.**

PEHSS 610	Application of Medicine in Sports	3
PEHSS 612	Financial Administration & Planning	3
PEHSS 614	Physiology of Sports (Th.)	3
PEHSS 615	Physiology of Sports (Lab.)	1
PEHSS 635	Skills of Gymnastics Apparatus (Advanced)	1
PEHSS 637	Specialization in Selected ( <b>Optional</b> ) Games and Athletics	1
PEHSS 639	Research Project and Viva-Voce (Quantitative)	3
PEHSS 641	Comprehensive Viva-Voce	2

**BPEHSS: BACHELOR OF PHYSICAL EDUCATION, HEALTH & SPORTS SCIENCES, (EVENING) 1 YEAR DEGREE PROGRAMME (2 SEMESTERS) CH-62**

Pre-requisite: - B.A. / B.Sc. / B.Com. from any HEC recognized University; Preference will be given to Candidates with evidence of participation in National Provincial/intervarsity/ Intercollegiate/ District level sports competitions. Physical fitness and Aptitude test is mandatory. PET, PTI, and Sports Officers, working at Public or Private sector institutions having Third Division may also apply.

**First Semester C.H.**

PEHSS 550	Foundation of Physical Education	3
PEHSS 552	Research Project	3
PEHSS 554	Science of Track and Field	3
PEHSS 556	Basic Anatomy & Physiology	3
PEHSS 558	Curriculum Development in Physical Education	3
PEHSS 560	Environmental Science	3

**Practicals C.H.**

PEHSS 551	Skill in Games & Sports (outdoor & Indoor)	3
PEHSS 553	Skill in Athletics (Track and Field)	3
PEHSS 555	Skill in Gymnastic (Apparatus and Floor work)	3
PEHSS 557	Teaching Methods and Lesson Planning	3

**Second Semester C.H.**

PEHSS 562	Physical Education for Handicapped	3
PEHSS 564	Studies in Health Education	3
PEHSS 566	Biomechanics of Sports	3
PEHSS 568	Rules of Games & Sports	3
PEHSS 570	Research Method in Physical Education	3
PEHSS 572	Research Project (Evaluation +Viva Voce)	3
PEHSS 574	Comprehensive Viva Voce	2

**Practicals C.H.**

PEHSS 561	Skills in Games & Sports (Outdoor & Indoor)	3
PEHSS 563	Skills in Athletics (Track and Field)	3
PEHSS 565	Skills in Gymnastic (Apparatus & Floor)	3
PEHSS 567	Teaching Methods & Lesson Planning	3



**(MPEHSS): MASTER OF PHYSICAL EDUCATION, HEALTH & SPORTS SCIENCES  
(EVENING) 1 YEAR DEGREE PROGRAMME (2 SEMESTERS) CH-54**

Pre-requisite: - BPEHSS degree or equivalent, Aptitude Tests

<b>First Semester</b>		<b>C.H.</b>
PEHSS 650	Philosophy of Physical Education	3
PEHSS 652	Nutrition for Sports	3
PEHSS 654	Test, Measurement and Evaluation in Physical Education	3
PEHSS 656	Sports Injuries & Management	3
PEHSS 658	Research Methods in Physical Education	3
PEHSS 660	Research Project	2
<b>Practicals</b>		<b>C.H.</b>
PEHSS 651	Specialization in Selected Games (Outdoor & Indoor)	4
PEHSS 653	Specialization in Selected Events of Track & Field	3
PEHSS 655	Specialization in Selected Events of Gymnastics (Apparatus & Floor Work)	3
<b>Second Semester</b>		<b>C.H.</b>
PEHSS 662	Sports Psychology	3
PEHSS 664	Physiology of Sports	3
PEHSS 666	Sports Medicine	3
PEHSS 668	Administration and Management in Physical Education	3
PEHSS 670	Research Project (Evaluation + Viva-Voce)	2
PEHSS 672	Comprehensive Viva-Voce	3
<b>Practicals</b>		<b>C.H.</b>
PEHSS 661	Specialization in Selected Games (Outdoor & Indoor)	4
PEHSS 663	Specialization in Selected Events of Track & Field	3
PEHSS 665	Specialization in Selected Events of Gymnastics (Apparatus & Floor Work)	3

## CENTRE FOR ENVIRONMENTAL SCIENCE

The Environmental matters are at the centre of the political and economic areas and at the top of the developmental agenda of every country in the world. This is the outcome of a rising global concern about the protection of our environment in the last few centuries; the world has witnessed a rapid but uneven economic development. The unsustainable economic development has resulted in disastrous environmental crises such as environmental pollution, climate change and depletion of resources and loss of biodiversity. The world is faced with the challenge of devising innovative development strategies to deal with the complexities of environmental deterioration and economic development. In order to cope with the challenges of increasing population, environmental deterioration and unsustainable economic development, a harmonious collaboration between human development efforts and environmental concerns are urgently needed to achieve the ultimate goal of sustainable development. The target of sustainable development can only be achieved through an integrated, comprehensive approach involving social and technological changes in all sectors of human life and its environment.

Environmental Scientists are needed more than ever by industry, government and society. The Environmental Sciences degree brings together information from a wide range of subjects to explore some of the most important threats facing the world, such as climate change, pollution, conservation, and food security. The Environmental Science degree is broadly based with its roots in biology (giving you an understanding of organisms, their environments and their communities), chemistry (providing an understanding of many natural environmental processes and pollution), earth sciences, (giving you a background in global processes), and land and water resource management. As well as deepening your scientific knowledge, this Environmental Sciences degree also prepares professional graduates for careers at a time when environmental issues are central to business and economic decisions. A combination of such subject areas, combined with many practical sessions and field trips, creates a degree that is both fascinating and rewarding.

### Teaching Objectives:

The teaching objectives of the degree Programme in Environmental Sciences are to enable its graduates with following key skills:

- To train leaders, develop new knowledge, and devise solutions that will restore and sustain the health of our planet.
- Learn how to analyze and assess environmental problems.
- Carry out independent scientific and technical research on environmental issues.
- Propose sustainable solutions for environmental problems.

### Learning Objectives

The degree Programmes are expected to equip the graduates with an ability to understand the linkages between various bio-physical and socio-economic components of environment and with an expertise to:

1. Understand the intricate linkages within and between biophysical and socioeconomic systems, and appreciate the principles and requirements that would facilitate the transition to sustainability with these systems;
2. Apply theoretical understanding, professional judgment and skills in mitigation of environmental problems;
3. Formulate and implement solutions to problems of sustainable development, through use of analytical skill and theoretical knowledge;
4. Make meaningful contributions to improving legal and administrative structures and processes relevant to sustainable development and environmental management.

### The teaching faculty comprises the following:

Mahar Amanullah, Assistant Professor & **Inchage Director**

Abbasi Habibullah, Assistant Professor

Bhatti Muhammad Ali, Lecturer

Siddique Sara Khalil, Lecturer

Talpur Aziz Ahmed, Lecturer (On Study Leave)

**BS (ENVIRONMENTAL SCIENCES): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136**

Pre-requisite: H.S.C. (Pre-Engineering/ Pre-Medical/ General Sciences) with at least 45% aggregate marks

**FIRST YEAR**

<b>First Semester</b>		<b>C.H.</b>
ES 310	Introduction to Environmental Sciences (Major) Theory	3
ES 311	Introduction to Environmental Sciences (Major) Practical	1
CHEM 320	Chemistry-I Minor <b>Physical Theory</b> Compulsory	2
CHEM 321	Chemistry-I Minor <b>Physical Practical</b> Compulsory	1
MATH 300	Mathematics	3
Minor 320	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology <b>Theory(Minor)</b>	2
Minor 321	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology <b>Practical(Minor)</b>	1
ENGL 300	English (Remedial)-I	3
PAK 300	Pakistan Studies	2
<b>Second Semester</b>		<b>C.H.</b>
ES 312	Environmental Pollution and control technologies Theory (Major)	3
ES 313	Environmental Pollution and control technologies Practical (Major)	1
Minor 322	Chemistry-II <b>Analytical Theory</b> (Minor Compulsory)	2
Minor 323	Chemistry-II <b>Analytical Practical</b> (Minor Compulsory)	1
Minor 322	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology <b>Theory(Minor)</b>	2

Minor 323	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology <b>Practical(Minor)</b>	1
MATH 301	Mathematics	3
ENGL 301	English (Remedial)-II	3
IS/ETH 301	Islamic Studies/ Ethics	2

**SECOND YEAR**

<b>Third Semester</b>		<b>C.H.</b>
ES 410	Fundamental of Ecology Theory(Major)	3
ES 411	Fundamental of Ecology Practical(Major)	1
Minor 420	Chemistry –III <b>Organic Theory</b> (Compulsory)	2
Minor 421	Chemistry –III <b>Organic Practical</b> (Compulsory)	1
Comp 400	Computer Application (N.C)	0
Minor 420	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology <b>Theory (Minor)</b>	2
Minor 421	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology <b>Practical(Minor)</b>	1
ENGL 400	English Compulsory –I	3
CIVIL 400	Civilization	2
<b>Fourth Semester</b>		<b>C.H.</b>
ES 412	Environmental Sampling and Instrumentation <b>Theory (Major)</b>	3
ES 413	Environmental Sampling and Instrumentation <b>Practical (Major)</b>	1
Minor 422	Chemistry –IV Minor <b>Inorganic Theory</b> (Compulsory)	2
Minor 423	Chemistry –IV Minor <b>Inorganic Practical</b> (Compulsory)	1
Minor 422	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology <b>Theory (Minor)</b>	2

Minor 423	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology <b>Practical(Minor)</b>	1
ENG 401	English (Compulsory)-II	3
ENG 401	Communication Skills (Compulsory)	2
COMP 401	Computer Application (N.C)	0

### THIRD YEAR

<b>Fifth Semester</b>	<b>C.H.</b>
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ENVS 500	Environmental Management & Public Health	3
ENVS 502	Biodiversity and Natural Conservation	3
ENVS 504	Solid waste Management (Theory)	3
ENVS 505	Solid waste Management (Practical)	1
ENVS 506	Environmental Microbiology (Theory)	3
ENVS 507	Environmental Microbiology (Practical)	1
ENVS 508	Environmental Economics	3

<b>Sixth Semester</b>	<b>C.H.</b>
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ENVS 510	Environmental Chemistry (Theory)	3
ENVS 511	Environmental Chemistry (Practical)	3
ENVS 512	Applied Ecology (Theory)	3
ENVS 513	Applied Ecology (Practical)	1
ENVS 514	Earth and Environment	3
ENVS 516	Environmental Profile of Pakistan	3
ENVS 518	Disaster Risk Management	3

### FOURTH YEAR

<b>Seventh Semester</b>	<b>C.H.</b>
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ENVS 600	Environmental Laws & Policies	3
ENVS 602	Energy, Environment & Development Policies	3
ENVS 604	Risk Assessment and Communication	3
ENVS 606	Climatology	3
ENVS 608	GIS and Remote Sensing (Theory)	3
ENVS 609	GIS and Remote Sensing (Practical)	1

<b>Eighth Semester</b>	<b>C.H.</b>
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ENVS 610	Occupational Health and Safety (Theory)	3
ENVS 611	Occupational Health and Safety (Practical)	1
ENVS 612	Environmental Biotechnology (Theory)	3
ENVS 613	Environmental Biotechnology (Practical)	1
ENVS 614	Natural Resource & Management	3
ENVS 616	Environmental Impact Assessment	3
ENVS 618	Research Project	4
ENVS 620	Comprehensive Viva	2

**M.Sc. (ENVIRONMENTAL SCIENCE): 2 YEARS DEGREE PROGRAMME  
(4 SEMESTERS) CH-70**

The 2 years M.Sc. study is spread over 18 credit hours' coursework in each semester with 10 CH research project in the final semester; the Project report/ dissertation of 10,000 words is to be submitted by the end of the Fourth semester for evaluation.

**Pre-requisite:** B. Sc Pass/ Hons (or its equivalent) degree in any science subject, with second class.

**M.Sc. (PREVIOUS)**

<b>First Semester</b>		<b>C.H.</b>
ENVS 500	Environmental Management & Public Health	3
ENVS 502	Biodiversity and Natural Conservation	3
ENVS 504	Solid waste Management (Theory)	3
ENVS 505	Solid waste Management (Practical)	1
ENVS 506	Environmental Microbiology (Theory)	3
ENVS 507	Environmental Microbiology (Practical)	1
ENVS 508	Environmental Economics	3
<b>Second Semester</b>		<b>C.H.</b>
ENVS 510	Environmental Chemistry (Theory)	3
ENVS 511	Environmental Chemistry (Practical)	1
ENVS 512	Applied Ecology (Theory)	3
ENVS 513	Applied Ecology (Practical)	1
ENVS 514	Earth and Environment	3
ENVS 516	Environmental Profile of Pakistan	3
ENVS 518	Disaster Management	3

**M.Sc. (FINAL)**

<b>Third Semester</b>		<b>C.H.</b>
ENVS 600	Environmental Laws & Policies	3
ENVS 602	Energy, Environment & Development Policies	3
ENVS 604	Risk Assessment and Communication	3
ENVS 606	Climatology	3
ENVS 608	GIS and Remote Sensing (Theory)	3
ENVS 609	GIS and Remote Sensing (Practical)	1

<b>Fourth Semester</b>		<b>C.H.</b>
ENVS 610	Occupational Health and Safety (Theory)	3
ENVS 611	Occupational Health and Safety (Practical)	1
ENVS 612	Environmental Biotechnology (Theory)	3
ENVS 613	Environmental Biotechnology (Practical)	1
ENVS 614	Natural Resource & Management	3
ENVS 616	Environmental Impact Assessment	3
ENVS 618	Research Project	4
ENVS 620	Comprehensive Viva	2

## CENTRE FOR PURE AND APPLIED GEOLOGY

The Department of Geology was established in 1956 at Elsa Kazi Campus, Hyderabad and shifted to Allama I.I. Kazi Campus, in June 1961. The department was upgraded as **Centre for Pure and Applied Geology** in March 2006 with the approval of the Academic Council as a part of the University's Mega Project.

The Centre offers 04 year BS degree Geology Program along with M. Phil. / Ph. D. program since 2003. MS. Petroleum Geoscience is also offered by the Centre from 2015. Presently more than 100 students are registered for MS. / M. Phil. / Ph. D. studies. Many candidates have earned their degrees and are jewel of different reputed organization of Pakistan.

**To impart the best quality Geology education through advanced teaching tools providing impetus for sustainable socio-economic development of Pakistan.**

### Advanced Research Laboratories

Our highly practical laboratories are equipped with modern and sophisticated instruments operated by fully trained and dedicated personnel.

#### Chemical/ Geochemical Analyses

- **XRF**- X-Ray Fluorescence
- **XRD**- X-Ray Diffraction
- **SEM**- Scanning Electron Microscopy with EDS- Energy Dispersive Spectrometry
- **AAS**- Atomic Absorption Spectroscopy

#### Microscope Facilities

(Camera and Monitors attached with LAS software)

- **Zoom Stereo Microscopes**
- **Polarizing Microscopes**
- **Fluorescent Microscopes**

GIS and Computing Laboratory

Thin Section Preparation Unit

#### Geophysical Survey Instruments

- **Terrameter (SAS-300 & SAS-4000)**
- **Seismograph**
- **Magnetometer**
- **GPR- Ground Penetrating Radar**

Facilities are also available for the study of **Biostratigraphy**, **Sedimentology** and **Petrography** of various samples received from different petroleum companies operational in Pakistan i.e. OGDCL, PPL, ENI, and UEP.

#### Coal Research Lab

The Lab has been established with the collaboration of Weatherford Oil Tools. M.E Ltd.

**Geophysics chair** with the collaboration of PPL is under process.

The Centre has also started Internship training program for the students of BS P-III and final year with GSP. HDIP, PCSIR, OGDCL, Oceanography and various cement factories.

MEMORANDUM OF UNDERSTANDING (MoU) have been signed with GPST, Pakistan for 10 licence of an integrated Geological Studies Software (GES) worth of One million USD.

MEMORANDUM OF UNDERSTANDING (MoU) have been signed with Hydrocarbon Development Institute of Pakistan (HDIP), a National Petroleum Research & Development (R&D) Organization/an Autonomous Body under Ministry of Energy, Petroleum Division.

#### The teaching faculty comprises the following:

Agheem, Muhammad Hassan, Professor  
M.Sc. (S.U.) 1998, Ph. D (Peshawar) 2008

Lashari, Rafique Ahmed, Associate Professor and **Director**  
M.Sc. (S.U.) 2001, Ph. D (S.U.) 2013, Post Doc. (France) 2014

Khan, Humaira Naz, Associate Professor  
M.Sc. (S.U.) 2001, Ph. D (S.U.) 2013



Hakro, Asghar Ali Alias Dahar, Associate Professor  
M.Sc. (S.U.) 2002, Ph. D (Karachi) 2013, Post Doc. (China) 2018

Markhand, Akhtar Hussain, Assistant Professor  
M.Sc. (S.U.) 2004, Ph. D (China) 2017

Mastoi, Abdul Shakoor, Assistant Professor  
M.Sc. (S.U.) 2002, Ph. D (China) 2017

Sahito, Ali Ghulam, Assistant Professor  
M.Sc. (S.U.) 1992, Ph. D (S.U.) 2019

Khokhar, Qamaruddin, Assistant Professor  
M.Sc. (S.U.) 2001, M. Phil (S.U.) 2014, Ph. D (S.U.) 2019

Shaikh, Shahid Ali, Assistant Professor  
M.Sc. (QEAU) 1999, Ph. D (China) 2018

Pathan, Mushtaq Ahmed, Assistant Professor  
M.Sc. (S.U.) 1988, M. Phil (BU) 2006

Samoon, Muhammad Kashif, Assistant Professor  
M.Sc. (S.U.) 2002, M. Phil (S.U.) 2014

Dars, Humaira, Assistant Professor  
M.Sc. (S.U.) 1998, M. Phil 2013

Memon, Kashif Ahmed, Lecturer  
M.Sc. (S.U.) 1998, M.Phil. (S.U.) 2020

Jamali, Muhammad Afzal, Lecturer  
BS 2011, M. Phil (S.U.) 2019

Samtio, Muhammad Soomar, Lecturer  
BS 2010, M.Phil. (S.U.) 2021

Rajpar, Riaz Hussain, Lecturer  
M.Sc. (QEAU), M.Phil. (S.U.) 2021

Warar, Mashooque Ali, Lecturer  
M.Sc. (S.U.) 2005, M.Phil. (S.U.) 2021

Ghuryani, Samina, Lecturer  
M.Sc. (S.U.) 2002

## BS (GEOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-133

Pre-requisite; H.S.C. (Pre-Engineering/ Pre-Medical). Other Groups (studies at least two subjects from Chemistry, Physics, Computer Science, and Mathematics) and Three Years Diploma in Associate Engineering (DAE) equivalent to F.Sc. with at least 45% aggregate marks and Pre Entry Test.

### FIRST YEAR

<b>First Semester</b>		<b>C.H.</b>
CHEM 301	Chemistry- I	3
ENG 301	English- I	3
GEOL 301	Physical Geology	3
MATH 301	Mathematics-I	3
PHY 301	Physics-I	3
IST. ST/ETH.301	Islamic Studies/Ethics	2

<b>Second Semester</b>		<b>C.H.</b>
CHEM 302	Chemistry- II	3
GEOL 302	Mineralogy	3
GEOL 303	Geomorphology	3
MATH 302	Mathematics-II	3
PHY 302	Physics-II	3
GEOL 304	Geological Fieldwork-I	2

### SECOND YEAR

<b>Third Semester</b>		<b>C.H.</b>
GEOL 401	Structural Geology	3
GEOL 402	Paleontology	3
GEOL 403	Optical Mineralogy and Petrography	3
GEOL 404	Geo Statistics	3
ENG 401	Communication Skills (English II)	3
Pak. St. 401	Pakistan Studies	2

<b>Fourth Semester</b>		<b>C.H.</b>
ENG. 402	Tech Report Writing (English- III)	3
GEOL 405	Stratigraphy	3
GEOL 406	Geological Fieldwork-II	2
GEOL 407	Hazards and Disaster Management	3
GEOL 408	Igneous and Metamorphic Petrology	3
MGT. 401	Principles of Management	3

### THIRD YEAR

<b>Fifth Semester</b>		<b>C.H.</b>
GEOL 501	Geotectonics	3
GEOL 502	Sedimentology	3
GEOL 503	Geophysics	3
GEOL 504	Field Geology	3
GEOL 505	Micropaleontology and Biostratigraphy	3
GEOL 506	Introduction to GIS and RS	3

<b>Sixth Semester</b>		<b>C.H.</b>
GEOL 507	Sequence Stratigraphy	3
GEOL 508	Geochemistry	3
GEOL 509	Petroleum Geology	3
GEOL 510	Engineering Geology	3
GEOL 511	Well Logging	3
GEOL 512	Geological Fieldwork – III	2

### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
GEOL 601	Geology and Tectonics of Pakistan	3
GEOL 602	Economic Geology	3
GEOL 603	Environmental Geology	3
GEOL 604	Hydrogeology	3
GEOL 605	Computer Applications in Geology	3
GEOL 606	Elective-I	3

<b>Eighth Semester</b>		<b>C.H.</b>
GEOL 607	Elective-II	3
GEOL 608	Elective-III	3
GEOL 609	Project Report/Thesis	6

List of subjects that can be offered as special papers in consultation with the Director of the Centre, available with the Centre Office.

### Note: Total Credit Hours = 133

1. The recommended credit hours for the completion of BS Geology program should not be less than 130 and not more than 140 credit hours as required by HEC.
2. Internship is recommended in public/private sector organizations after sixth semester.
3. The allocation of the research project/thesis topic is recommended with the consultation of concerned supervisor.
4. Research Project/Thesis is recommended to be evaluated through open defense.
5. Elective courses shall be selected in consultation with the relevant research supervisor.
6. Elective courses shall be offered subject to availability of appropriate faculty (resource persons).
7. Minimum duration of each geological field trip is recommended as 10 days.

### LIST OF ELECTIVE COURSES

Groups	Elective Course	Credit Hour
<b>Group-I</b> Mineralogy, Petrology and Geochemistry	Igneous Petrology	2+1
	Metamorphic Petrology	2+1
	Sedimentary Petrology	2+1
	Mineralogy II	2+1
	Geochemistry II	2+1
	Thermodynamics	2+1
	Geochemical Exploration	2+1
	Isotope Geochemistry	2+1
	Low Temperature Geochemistry	2+1
	High Temperature Geochemistry	2+1
<b>Group-II</b> Paleontology and Stratigraphy	Stratigraphy II	2+1
	Micropaleontology II	2+1
	Invertebrate paleontology	2+1
	Vertebrate paleontology	2+1
	Palynology and Paleobotany	2+1
	Mineral Prospecting and Exploration	2+1
	Coal Geology	2+1
	Mining Geology	2+1
	Metallogeny and Plate Tectonics	2+1
	Gemology	2+1

<b>Group-III</b> Economic Geology, Industrial Geology and Coal Geology	Mineral Economics	2+1
	Industrial Mineralogy	2+1
	Instrumental Techniques	2+1
	Clay Mineralogy	2+1
	Exploration and Exploitation of Coal	2+1
	Environment and Clean Coal Technology	2+1
<b>Group-IV</b> Engineering Geology and Geotechnical Engineering	Mineral Processing	2+1
	Engineering Geology II	2+1
	Rock Mechanics	2+1
	Soil Mechanics	2+1
	Introduction to Geotechnical Engineering	2+1
	Excavation and Tunneling	2+1
	Foundation Engineering	2+1
	Dam Engineering	2+1
	Landslide Hazards and Risk Assessment	2+1
<b>Group-V</b> Petroleum Geosciences	Earthquake Engineering and Risk Assessment	2+1
	Sequence Stratigraphy II	2+1
	Petroleum Engineering	2+1
	Reservoir Geology	2+1
	Organic Geochemistry	2+1
	Petroleum Geology of Pakistan	2+1
	Petroleum Economics	3+0
	Seismic Techniques	2+1

<b>Group-VI</b> Applied Geophysics	Seismic Stratigraphy	2+1
	Earthquake Seismology	2+1
	Geomagnetism and Paleomagnetism	2+1
	Electrical and Radiometric Exploration Methods	2+1
	Bore-Hole Geophysics	2+1
	Seismic Prospecting	2+1
	Gravity and Magnetic Methods	2+1
	Rock Physics	2+1
<b>Group-VII</b> Sedimentology	Clastic Sedimentology	2+1
	Carbonate Sedimentology	2+1
	Basin Modeling	2+1
	Quaternary Geology	2+1
<b>Group-VIII</b> Hydrogeology	Hydrogeology	2+1
	Groundwater Investigation	2+1
	Groundwater Engineering	2+1
	Chemical Hydrogeology	2+1
<b>Group-IX</b> Marine Geology	Marine Geology	2+1
	Oceanography	2+1
	Marine Geochemistry	2+1
	Geology of Arabian Sea	2+1
	Environmental Geology II	2+1
	Soil and Water Resources	2+1
	Environmental Hazards	2+1

<b>Group-X</b> Environmental Geosciences	Water Resources and Environment	2+1
	Environmental Impact Assessments and	2+1
	Natural Resources Management	2+1
	Occupational Health and Safety	2+1
	Environmental Geochemistry	2+1
	Geospatial Techniques in Geology	2+1
<b>Group-XI</b> Structure, Tectonics and Neotectonics	Structural Geology II	2+1
	Metamorphic Structures	2+1
	Applied Structural Techniques	2+1
	Tectonics of Pakistan	3+0
	Neotectonics	3+0

## COASTAL AND MARINE SCIENCE

### Introduction

The Centre for Coastal and Deltaic Studies (CCDS) was established in 2016 at University of Sindh Thatta Campus now shifted to Allama I.I.Kazi Campus Jamshoro as one of the part of Centre for Pure and Applied Geology. Later on Academic Council 2021 approved 04 years BS Degree Program in Coastal and Marine Science under the umbrella of Centre for Pure and Applied Geology University of Sindh Jamshoro.

The aim of the program is to promote education, research studies, trainings and development related to marine, coastal and deltaic regions with specific focus on disasters, climate change, sea level rise, seawater intrusions and their impact on natural ecosystems/resources, infrastructure and threats to vulnerable coastal communities. The capacity building and research based solutions for Protection, Disaster Risk Reduction DRR, Livelihood, Poverty Alleviation and Developments for Coastal region of Pakistan are the prime objectives of the Centre.

The center has organized one-day field training on Modern Clastic Depositional Environments (Hub) Estuary), analogues of oil and Gas reservoir.

Beside this two-day field excursion on Indus River Deltaic Depositional System and Facies have also been carried out.

### The teaching faculty comprises the following:

Lashari Rafique Ahmed, Associate Professor and **Director**  
M.Sc. (S.U.) 2001, Ph. D (S.U.) 2013, Post Doc. (France) 2014

Mahar, Mukhtiar Ahmed, Professor  
M.Sc. (S.U.) 1995, Ph. D. (S.U.) 2004

Soomro, Anila Naz, Professor  
M.Sc. (S.U.) 1998, MS (Japan) 2007, Ph. D. (Kagoshima, Japan) 2010

Baradi, Waryani, Associate Professor  
M.Sc. (S.U.), M.Phil. (K.U) 2008. Ph.D. (Beijing, China) 2014

Khan Humaira Naz, Associate Professor  
M.Sc. 2001 (S.U.) Ph.D. (S.U.) 2013

## BS (COASTAL AND MARINE SCIENCE): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

### Pre-requisite:

H.S.C (Pre-Medical, Pre-Engineering and General Science groups with 45%) or Equivalent Pre-Entry Test.

### FIRST YEAR

<i>First Semester</i>		<i>C.H.</i>
Eng 301	English-I	3
FWBF 301	Freshwater Biology and Fisheries	3
Biol 301	General Biology	2+1
Chem 301	General Chemistry	2+1
Maths 301	Mathematics	3
CMS 301	Introduction to Coastal and Marine Science	3

<i>Second Semester</i>		<i>C.H.</i>
Eng 302	English-II	3
IslSt-302/ Eth-302	Islamic Studies/ Ethics	2
Geol 302	General Geology	2+1
Phys 302	General Physics	2+1
Stats 302	Introduction to Statistics	2+1
CMS 302	Marine Ecology and Ecosystems	2+1

### SECOND YEAR

<i>Third Semester</i>		<i>C.H.</i>
Eng-401/ Ur/S-401	English-III/ Urdu/Sindhi	3
Biostats 401	Biostatistics	3
Comp 401	Computer Applications	2+1
Sociol 401	Introduction to Sociology	3
CMS 401	Marine Biochemistry	2+1
CMS 403	Marine Biotechnology	2+1

<b>Fourth Semester</b>			<b>C.H.</b>	<b>FOURTH YEAR</b>		
IT 402	Information Technology		3	<b>Seventh Semester</b>		
Pkst 402	Pakistan Studies		2	CMS-Odd No.	Elective I	2+1
Econ 402	Fundamental of Economics		3	CMS-Odd No.	Elective II	2+1
CMS 402	Marine Microbiology		2+1	CMS-Odd No.	Elective III	2+1
CMS 404	Marine Resources		2+1	CMS-Odd No.	Elective IV	2+1
CMS 406	Oceanographic Instruments and Methods		2+1	CMS-Odd No.	Elective V	2+1
<b>THIRD YEAR</b>				<b>Eighth Semester</b>		
<b>Fifth Semester</b>			<b>C.H.</b>	CMS-Even No.	Elective VI	2+1
CMS 501	Application of Remote Sensing and GIS		3	CMS-Even No.	Elective VII	2+1
CMS 503	Hydrography		2+1	CMS-Even No.	Elective VIII	2+1
CMS 505	Marine Biodiversity		2+1	CMS-Even No.	Elective IX	2+1
CMS 507	Coastal Processes		2+1	CMS-Even No.	Elective X	2+1
CMS 509	Marine Chemistry		2+1	<b>Optional for 7th and 8th Semester/ Fourth Year</b>		
CMS 511	Marine Geology		2+1		Field Project	3
<b>Sixth Semester</b>			<b>C.H.</b>		Thesis/ Internship	6
CMS 502	Climatology and Climate Change		3	<b>LIST OF MAJOR ELECTIVE MODULES AND COURSES THERE OF</b>		
CMS 504	Introduction to Aquaculture		3	Students are required to select one module consisting of 10 courses from eight modules given below in 7th and 8th semester. One course (3 Ch) may be substituted by a Field Project or two courses (3 + 3 = 6 Ch) i.e. one from each semester of an elective module by a thesis/ Internship as the case may be. One or two courses of a module may also be substituted by the courses of other module. Some courses can be taught in more than one module*.		
CMS 506	Physical Oceanography		2+1			
CMS 508	Marine Biology		2+1			
CMS 510	Marine Geochemistry		2+1			
CMS 512	Research Methodology		3			



Course No.	Elective Module/ Course	CH
<b>Module I</b>	<b>Biological Oceanography and Conservation (BOC)</b>	
CMS-BOC - 601	Aquatic Pathology and Pests	2+1 = 3
CMS-BOC - 602	Biophysics	2+1 = 3
CMS-BOC - 603	Cell and Evolutionary Biology	2+1 = 3
CMS-BOC - 604	Chemistry of Life	2+1 = 3
CMS-BOC - 605	Conservation Ecology	2+1 = 3
CMS-BOC - 606	Faunistic Studies	2+1 = 3
CMS-BOC - 607	Harmful Marine Creatures	3
CMS-BOC - 608	Immunology	2+1 = 3
CMS-BOC - 609	Invertebrate Biology	2+1 = 3
CMS-BOC - 610	Physiology of Marine Organisms	2+1 = 3
CMS-BOC - 611	Planktology	2+1 = 3
CMS-BOC - 612	Marine Animal Behaviour	2+1 = 3
CMS-BOC - 613	Marine Botany	2+1 = 3
CMS-BOC - 614	Saline Agriculture	2+1 = 3
CMS-BOC - 615	Seafood Handling, Processing and Safety*	2+1 = 3
CMS-BOC - 616	Skin and SCUBA Diving Science	2+1 = 3
CMS-BOC - 617	Systematic Studies of Marine Organisms	2+1 = 3
CMS-BOC - 618	Vertebrate Biology	2+1 = 3
<b>Module II</b>	<b>Chemical and Environmental Oceanography (CEO)</b>	
CMS-CEO - 601	Bioremediation	2+1 = 3
CMS-CEO - 602	Environmental Impact Assessment	2+1 = 3
CMS-CEO - 603	Marine and Estuarine Chemistry	2+1 = 3
CMS-CEO - 604	Marine Biogeochemistry	2+1 = 3
CMS-CEO - 605	Marine Environmental Ecotoxicology	2+1 = 3
CMS-CEO - 606	Marine Meteorology	2+1 = 3
CMS-CEO - 607	Marine Natural Product Chemistry	2+1 = 3
CMS-CEO - 608	Marine Pollution and Control	2+1 = 3
CMS-CEO - 609	Natural Hazards and Management	2+1 = 3
CMS-CEO - 610	Physical Chemistry	2+1 = 3

CMS-CEO - 611	Water Quality Management	2+1 = 3
<b>Module III</b>	<b>Fisheries and Aquaculture (FA)</b>	
CMS-FA - 601	Advanced Aquaculture	2+1 = 3
CMS-FA - 602	Aquaculture Environment Management	2+1 = 3
CMS-FA - 603	Aquaculture Health Management	2+1 = 3
CMS-FA - 604	Aquaculture Nutrition	2+1 = 3
CMS-FA - 605	Fisheries Economics and Marketing	2+1 = 3
CMS-FA - 606	Fisheries Resources and Management	2+1 = 3
CMS-FA - 607	Fisheries Techniques and Methods	2+1 = 3
CMS-FA - 608	Fish Population Dynamics	2+1 = 3
CMS-FA - 609	Hatchery Operation and Management	2+1 = 3
CMS-FA - 610	Ichthyology	2+1 = 3
CMS-FA - 611	Marine Fisheries	2+1 = 3
CMS-FA - 612	Seafood Handling, Processing and Safety*	2+1 = 3
<b>Module IV</b>	<b>Geological Oceanography (GO)</b>	
CMS-GO - 601	Coastal and Marine Sedimentology	2+1 = 3
CMS-GO - 602	Geology of Arabian Sea	2+1 = 3
CMS-GO - 603	Hydrogeology	2+1 = 3
CMS-GO - 604	Marine Geophysics and Exploration	2+1 = 3
CMS-GO - 605	Marine Non-living Resources	2+1 = 3
CMS-GO - 606	Ocean Basin Evolution	2+1 = 3
CMS-GO - 607	Paleo-Oceanography	2+1 = 3
CMS-GO - 608	Petroleum Geology	2+1 = 3
CMS-GO - 609	Plate Tectonics and Coastal Structures	2+1 = 3
CMS-GO - 610	Quaternary Geology	2+1 = 3
CMS-GO - 611	Sea Level Changes and Coastal Zones	2+1 = 3
CMS-GO - 612	Seismic Studies	2+1 = 3
<b>Module V</b>	<b>Integrated Coastal Zone Management (ICZM)</b>	
CMS-ICZM - 601	Basic Principles and Scope of ICZM	2+1 = 3
CMS-ICZM - 602	Coastal Ecosystem and Climate Change	2+1 = 3
CMS-ICZM - 603	Coastal Resilience and Disaster Risk Reduction	2+1 = 3

CMS-ICZM - 604	Coastal Tourism Management	2+1 = 3
CMS-ICZM - 605	Coastal Zone Management	2+1 = 3
CMS-ICZM - 606	Marine Protected Areas Management	2+1 = 3
CMS-ICZM - 607	Marine Spatial Planning & Conflict Management	2+1 = 3
CMS-ICZM - 608	National Policies and International Conventions	3
CMS-ICZM - 609	Social Empowerment and Gender Equality	2+1 = 3
CMS-ICZM - 610	Socio-Ecological Fundamentals of Coastal Zones	2+1 = 3
CMS-ICZM - 611	The ICM Cycle	2+1 = 3
<b>Module VI</b>	<b>Mangrovelogy (Mangl.)</b>	
CMS-Mangl - 601	Benthic Ecology of Mangroves	2+1 = 3
CMS-Mangl - 602	Biodiversity of Mangroves	2+1 = 3
CMS-Mangl - 603	Coastal Land Reclamation	2+1 = 3
CMS-Mangl - 604	Conservation of Mangrove Resources	2+1 = 3
CMS-Mangl - 605	Ecological Mangrove Rehabilitation (EMR)	2+1 = 3
CMS-Mangl - 606	Economic Exploitation of Mangroves and Marketing	2+1 = 3
CMS-Mangl - 607	Estuarine Studies	2+1 = 3
CMS-Mangl - 608	Human Impact and Threats to Mangrove Ecosystem	2+1 = 3
CMS-Mangl - 609	Mangroves and Climate Change	2+1 = 3
CMS-Mangl - 610	Mangrove Coastal Forest Management	2+1 = 3
CMS-Mangl - 611	Mangrove Ecotourism	2+1 = 3
CMS-Mangl - 612	Morphology, Physiology & Anatomy of Mangroves	2+1 = 3
CMS-Mangl - 613	Productivity of Mangrove Wetlands	2+1 = 3
CMS-Mangl - 614	Seabirds of Coastal Area	2+1 = 3
<b>Module VII</b>	<b>Physical Oceanography (PO)</b>	
CMS-PO - 601	Air-Sea Interaction	2+1 = 3
CMS-PO - 602	Boating and Seamanship	2+1 = 3
CMS-PO - 603	Climate Change	2+1 = 3
CMS-PO - 604	Marine Acoustics	2+1 = 3
CMS-PO - 605	Natural Hazards and the Oceans	2+1 = 3
CMS-PO - 606	Ocean Circulation and Climate	2+1 = 3
CMS-PO - 607	Ocean Dynamics	2+1 = 3

CMS-PO - 608	Ocean Modelling and Numerical Methods	2+1 = 3
CMS-PO - 609	Ocean Waves, Tides and Currents	2+1 = 3
CMS-PO - 610	Physical Meteorology	2+1 = 3
CMS-PO - 611	Satellite Oceanography	2+1 = 3
CMS-PO - 612	Sea Level Changes and Coastal Zone	2+1 = 3
<b>Module VIII</b>	<b>Port Operations and Ship Management (POSM)</b>	
CMS-POSM - 601	Business Research Methodology	2+1 = 3
CMS-POSM - 602	Fundamentals of Maritime, Economics & Marketing	2+1 = 3
CMS-POSM - 603	Human Resource Management	2+1 = 3
CMS-POSM - 604	International Conventions and Maritime Laws	2+1 = 3
CMS-POSM - 605	Marine and Maritime Employment	2+1 = 3
CMS-POSM - 606	Maritime Logistics and Supply Chain Management	2+1 = 3
CMS-POSM - 607	Maritime Safety and Security	2+1 = 3
CMS-POSM - 608	Maritime Technologies	3
CMS-POSM - 609	Piloting and Navigation	2+1 = 3
CMS-POSM - 610	Port Development, Operations and Management	2+1 = 3
CMS-POSM - 611	Ship Brokerage, Chartering and E-commerce	2+1 = 3
CMS-POSM - 612	Shipping and Environment Norms	2+1 = 3
CMS-POSM - 613	Shipping Operations and Management	2+1 = 3

## INSTITUTE OF BIOCHEMISTRY

Institute of Biochemistry, University of Sindh, was established in August 1999 with the multiple purpose of fulfilling research in the areas of Biochemistry, Clinical Biochemistry, Nutrition & Food Sciences, Bioanalytical Techniques, Bioinformatics and Molecular Biology. The main objective of the institute is to serve the people of the community, the province & the nation through the provision of the highest standards of education & training in the Biochemistry and Nutrition & Food Sciences areas, and to pursue biochemical research that will further lead to improvements in human & animal's health & welfare. Today, Biochemistry / Nutrition & Food Sciences graduate curriculum is at the forefront of many careers that help to keep humans, animals and plants in healthy environment and free of disease. One should feel proud to be a Biochemist / Nutritionist who explores the secrets of life. The Institute has well developed Research Laboratories in the field of Clinical Diagnosis, Nutrition & Food Sciences, Molecular Biology, Bioinformatics, Bioanalytical & Toxinology Research. The institute is offering 10 degree programmes, BS in Biochemistry, M.Sc. in Biochemistry, M.Phil. in Biochemistry, Ph.D. in Biochemistry, BS in Nutrition & Food Sciences, M.Phil. in Nutrition & Food Sciences, M.Phil. in Human Nutrition and Dietetics, Ph.D. in Human Nutrition and Dietetics, Ph.D. in Food Science & Technology & one-year Diploma in Food Analysis & Food Security.

### MISSION STATEMENT:

- To teach and prepare undergraduate students for position of leadership in new biology / Nutrition and Food Sciences that will continue to develop in the following decades.
- To equip them to solve and overcome the challenging problems in life sciences.
- To produce students and researchers in the field of Biochemistry and Nutrition & Food Sciences.
- The Institute Collaborates with other Institutes within the country and abroad to promote learning in order to meet the current challenges in relevant fields.
- Different scientific meetings and conferences has been organized to facilitate exchange of ideas.
- To understand the professional and ethical responsibilities of Biochemists and Nutritionists.

- To have ability to solve nutritional and biochemical problems of country and design some tools to help industries in developing improved methodologies for the production and quality of products.

### **The teaching faculty comprises the following:**

**Channa, Naseem Aslam, Professor and Director**  
M.Sc. 1993 (S.U.), Ph. D 2006 (S.U.) & (HEC Approved Supervisor)

**Shah, Afsheen, Professor**  
M.Sc. 2001(S.U.), Ph.D. 2012 (S.U.)

**Ansari, Ibtessam Tahir, Associate Professor**  
M.Sc. 2003, Ph.D. (S.U.)

**Mangi, Autif Hussain, Assistant Professor**  
BS 2006 (S. U), Ph.D. 2020 (China)

**Memon, Farah Naz, Assistant Professor**  
M.Sc. 1997 (S.U.)

**Kazi, Mehar Ali, Assistant Professor**  
BS 2006, MS 2014 (M.U.E.T)

**Ghanghro, Abdul Waheed, Assistant Professor (On Study Leave)**  
BS 2007 (S. U), M.Phil. 2017 (S.U.)

**Khanzada, Beenish Nadeem, Assistant Professor (On Study Leave)**  
BS 2007 (S. U), M.Phil. (QAU)

**Channa, Mehwish Jabin, Assistant Professor**  
BS 2009 (S.U.), Ph.D. 2016 (S.U.)

**Mian, Mansoor Ali Afsar, Lecturer**  
M.Sc.

**Arijo, Muhammad Acher, Lecturer**  
BS 2007 (S.U.)

**Soomro, Najaf Ali, Visiting Faculty**  
M.Sc. (S.U.), Ph.D. 2020 (China)

## BS (BIOCHEMISTRY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. With Pre-Medical Group: Pre-Entry Test.

### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENG 300	English-I	3		ENG 301	English-II	3	
PKST 300	Pakistan Studies	2		ISST/ETHS 301	Islamic Studies	2	
MATH 300	Mathematics	3		MATH 301	Statistics	3	
BIOC 310-311	Introductory Biochemistry	3+1		BIOC 312-313	Cell Biology	3+1	
CHEM 320-321	Organic Chemistry	2+1		CHEM322-323	In organic Chemistry	2+1	
	Minor (Compulsory)				Minor (Compulsory)		
MBIO/GENT/	Microbiology-I/Genetics-I/	2+1		MBIO/	Microbiology-II/	2+1	
PHSL 320-321	Physiology-I			GENT 322-323	Genetics-II/Physiology-II		
	Minor (Supporting)				Minor (Supporting)		

### SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENG 400	English-III	3		ENG 401	English-IV	3	
CIVZ 400	Civilization-III	2		ENVS 401	Environmental Science	2	
STAT 400-401	Introduction to Computer	2+1		STAT 401-402	Introduction to Computer	2+1	
	Skills & Bio-Statistics-I				Skills & Bio-Statistics-II		
BIOC410- 411	Carbohydrates	3+1		BIOC 412-413	Lipids	3+1	
CHEM 420-421	Physical Chemistry	2+1		CHEM422-423	Analytical Chemistry	2+1	
	Minor (Compulsory)				Minor (Compulsory)		
SOCI/MRKT/	Sociology-I/Marketing	2		SOCI/MRKT/	Sociology-II/Marketing-II	2	
EDUC 420	(Communication)/Science			EDUC 422	(Management)/Science		
	Teaching Methods-I				Teaching Methods-II		
	Minor (Supporting)				Minor (Supporting)		

### THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
BIOC 500-501	Amino Acids & Proteins	3+1		BIOC 510	Bioenergetics	2	
BIOC 502-503	Molecular Biology	3+1		BIOC 512	Biomembrane & Cell	3	
BIOC 504-505	Enzymology	2+1			Signaling		
BIOC 506-507	Human Physiology	2+1		BIOC 514	Metabolism	4	
BIOC 508	Bio-Safety & Ethics	2		BIOC 516-517	Plant Biochemistry	2+1	
				BIOC 518-519	Biochemical Techniques	1+3	

### FOURTH YEAR

Seventh Semester			C.H.	Eighth Semester			C.H.
BIOC 600-601	Nutritional Biochemistry	2+1		BIOC 622	Current Trends in	2	
BIOC 602-603	Bioinformatics	1+2			Biochemistry		
BIOC 604-605	Industrial Biochemistry	2+1		BIOC 624	Immunochemistry	2	
BIOC 606	Research Planning &	2		BIOC 626	Biotechnology	2	
	Report Writing			BIOC 628	Proteomics	3	
BIOC	Elective – I	3		BIOC	Elective – III	3	
BIOC	Elective-II	3		BIOC	Elective–IV (Research Project)	3	
				BIOC 644	Comprehensive Viva	2	

#### Elective Courses:

Assignment of the courses will depend upon the current needs and the faculty specialization. The course contents will include the current state of knowledge in the specific field and will be based on review of research publications. The detailed course contents will be laid out by the tutor in consultation with the faculty of the Institute.

#### Research Project / Internship:

The students, who opt the Research Project/Internship, will undertake practical training in an approved food industry or research organization. He/she will maintain a daily diary duly signed by the industrial/research supervisor and submit a written report. At the end of the internship, the student will be evaluated by a committee on the basis of his/her performance in the industry/research organization, final written report and oral presentation.

#### LIST OF ELECTIVE COURSES FOR BS PART-IV (SEMESTER-VII)

NOTE: The Students of BS. Part-IV (Semester-VII) have to opt any TWO (02) of the following Elective courses.

#### ELECTIVE – I

01. BIOC. 608, Clinical Biochemistry
02. BIOC. 610, Food Processing and Preservation
03. BIOC. 612, Neurochemistry

### **ELECTIVE - II**

01. BIOC. 614, Biochemistry of Pesticides
02. BIOC. 616, Industrial Processing of Edible Oils & Sugar
03. BIOC. 618, Phytotherapeutic Agents
04. BIOC. 620, Metabolic Disorders

### **LIST OF ELECTIVE COURSES FOR BS PART-IV (SEMESTER-VIII)**

**NOTE:** The Students of BS. Part-IV (Semester-VIII) have to opt any TWO (02) of the following Elective courses.

### **ELECTIVE – III**

01. BIOC. 630, Meat Sciences
02. BIOC. 632, Xenobiotics
03. BIOC. 634, Biochemical aspects of Hematology

### **ELECTIVE – IV**

01. BIOC. 636, Research Project / Internship
02. BIOC. 638, Milling Backing and Quality Assurance
03. BIOC. 640, General Virology
04. BIOC. 642, Advanced Enzymology

### **MASTER OF SCIENCE (M.Sc.) IN BIOCHEMISTRY: 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-68**

Pre-requisite: Bachelor degree with Chemistry and any biology subject preferably with Biochemistry with minimum 50% score.

**(M.Sc. Prev.)**

<b>First Semester</b>		<b>C.H.</b>	<b>Second Semester</b>		<b>C.H.</b>
BIOC 500-501	Biomolecules-I	3+1	BIOC 510	Bioenergetics	2
BIOC 502-503	Biomolecules-II	3+1	BIOC 512-513	Introduction to Computer Skills & Biostatistics	3+1
BIOC 504-505	Cell and Molecular Biology	3+1	BIOC 514	Metabolism	4
BIOC 506-507	Human Physiology	2+1	BIOC 516-517	Plant Biochemistry	2+1
BIOC 508	Biosafety & Ethics	2	BIOC 518-519	Biochemical Techniques-I	1+3

**(M.Sc. Final).**

<b>Third Semester</b>			<b>C.H.</b>	<b>Fourth Semester</b>			<b>C.H.</b>
BIOC 600-601	Nutritional Biochemistry	2+1		BIOC 622	Current Trends in Biochemistry	2	
BIOC 602-603	Bioinformatics	1+2		BIOC 624	Immunochemistry	2	
BIOC 604-605	Industrial Biochemistry	2+1		BIOC 626	Biotechnology	2	
BIOC 606	Research Planning & Report Writing	2		BIOC 628	Proteomics	3	
BIOC	Elective – I	3		BIOC	Elective – III	3	
BIOC	Elective – II	3		BIOC	Elective – IV	3	
				BIOC 644	Comprehensive Viva	2	

### **Elective Courses:**

Assignment of the courses will depend upon the current needs and the faculty specialization. The course contents will include the current state of knowledge in the specific field and will be based on review of research publications. The detailed course contents will be laid out by the tutor in consultation with the faculty of the Institute.

### **Research Project / Internship:**

The students, who opt the Research Project/Internship, will undertake practical training in an approved food industry or research organization. He/she will maintain a daily diary duly signed by the industrial/research supervisor and submit a written report. At the end of the internship, the student will be evaluated by a committee on the basis of his/her performance in the industry/research organization, final written report and oral presentation.

### **LIST OF ELECTIVE COURSES FOR M.Sc. FINAL (SEMESTER-I)**

**NOTE:** The Students of M.Sc. Final (Semester-I) have to opt any TWO (02) of the following Elective courses.

### **ELECTIVE – I**

01. BIOC. 608, Clinical Biochemistry
02. BIOC. 610, Food Processing and Preservation
03. BIOC. 612, Neurochemistry

### **ELECTIVE - II**

01. BIOC. 614, Biochemistry of Pesticides
02. BIOC. 616, Industrial Processing of Edible Oils & Sugar
03. BIOC. 618, Phytotherapeutic Agents
04. BIOC. 620, Metabolic Disorders

### LIST OF ELECTIVE COURSES FOR M.Sc. FINAL (SEMESTER-II)

NOTE: The Students of M.Sc. Final (Semester-II) have to opt any TWO (02) of the following Elective courses.

#### ELECTIVE – III

01. BIOC. 630, Meat Sciences
02. BIOC. 632, Xenobiotics
03. BIOC. 634, Biochemical aspects of Hematology

#### ELECTIVE – IV

01. BIOC. 636, Research Project / Internship
02. BIOC. 638, Milling Backing and Quality Assurance
03. BIOC. 640, General Virology
04. BIOC. 642, Advanced Enzymology

### BS (NUTRITION & FOOD SCIENCE): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. with Pre-Medical Group: Pre-Entry Test.

#### FIRST YEAR

<b>First Semester</b>		<b>C.H.</b>
ENG 300	English-I	3
PKST 300	Pakistan Studies	2
MATH 300	Mathematics-I	3
NUFT 310-311	Introduction to Nutrition & Food Science	2+1
BIOC 320-321	Biochemistry – I	2+1
MBIO/GENT 320-321	Microbiology / Genetics / Health Education	2+1
<b>Second Semester</b>		<b>C.H.</b>
ENG 301	English-II	3
ISST/ETHS 301	Islamic Studies	2
STAT 301	Statistics	3
NFS 312-313	Physiochemical Properties of Food	2+1
BIOC 320-321	Biochemistry – II	2+1
MBIO/GENT 320-321	Microbiology/Genetics/Health Education	2+1

#### SECOND YEAR

<b>Third Semester</b>		<b>C.H.</b>
ENG 400	English-III	3
CIVZ 400	Civilization	2
STAT 400-401	Introduction to Computer Skills & Bio-Statistics	2+1
NFS 410-411	Food Chemistry	3+1
BIOC 420-421	Food Digestion & Metabolism	2+1
SOCI/MRKT/EDUC 420	Sociology/Marketing/Science Teaching Methods	2
<b>Fourth Semester</b>		<b>C.H.</b>
ENG 401	English-IV	3
ENVS401	Environmental Sciences	2
STAT 402-403	Introduction to Computer Skills & Bio-Statistics	2+1
NFS 412-413	Food Processing, Preservation & Packaging	3+1
BIOC 422-423	Human Nutrition & Physiology	2+1
SOCI/MRKT/EDU 422	Sociology/Marketing/ Science Teaching Methods	2

#### THIRD YEAR

<b>Fifth Semester</b>		<b>C.H.</b>
NFS 500-501	Food Enzymology	3+1
NFS 502-503	Food Microbiology & Toxicology	3+1
NFS 504	Nutrition through the Life Cycle	2
NFS 506-507	Post – Harvest Technology	2+1
NFS 508-509	Assessment of Nutritional Status	2+1
<b>Sixth Semester</b>		<b>C.H.</b>
NFS 510-511	Food Allergens & Intolerance	3+1
NFS 512-513	Instrumental Techniques in Food Analysis	3+1
NFS 514	Food Safety & Factory Laws	3
NFS 516	Food Biotechnology	3
NFS 518	Nutritional Immunology	2

#### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
NFS 600	Research Project & Scientific Writing in Nutrition	3
NFS 602-603	Modern Technologies in Food Industries	3+1



NFS 604-605	Bioinformatics	1+2
NFS 606	Food Plant Design & Layout	2
NFS	Elective – I	3
NFS	Elective-II	3

<b>Eighth Semester</b>	<b>C.H.</b>
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NFS 624	Global Food Issues	3
NFS 626	Clinical Dietetics	3
NFS 628	Current Trends in Nutrition & Food Science	2
NFS 630	Food Quality Assurance Management	2
NFS	Elective – III	3
NFS	Elective - IV	3
NFS 648	Comprehensive Viva	2

#### **LIST OF ELECTIVE COURSES FOR BS PART-IV (SEMESTER-VII)**

**NOTE:** (The Students of BS Part - IV (Semester-VII) have to opt any TWO (02) of the following Elective courses depending upon the expertise available).

##### **ELECTIVE – I**

01. NFS. 608, Beverage, Confectionary & Snack Foods
02. NFS. 610, Oil Fats & Sugar Technology
03. NFS. 612, Principles of Nutritional Therapy
04. NFS. 614, Nutrition in Emergency

##### **ELECTIVE - II**

01. NFS. 616, Dairy Technology
02. NFS. 618, Genetically Modified Foods
02. NFS. 620, Clinical Skills for Nutritional Therapy
04. NFS. 622, Drug Nutrient Interaction

#### **LIST OF ELECTIVE COURSES FOR BS PART-IV (SEMESTER-VIII)**

**NOTE:** (The Students of BS Part - IV (Semester-VIII) have to opt any TWO (02) of the following Elective courses depending upon the expertise available).

##### **ELECTIVE – III**

01. NFS. 632, Nutrition & Dietetics
02. NFS. 634, Nutrigenomics
03. NFS. 636, Recent Advances in Food Science and Technology
04. NFS. 638, Meat, Poultry & Fish Processing

##### **ELECTIVE – IV**

01. NFS. 640, Research Project / Internship
02. NFS. 642, Baking Science & Technology
03. NFS. 644, Preventive Nutrition
04. NFS. 646, Milling of Cereals & Cereal Technology

##### **RESEARCH PROJECT/INTERNSHIP:**

Every student will undertake practical training in an approved food industry or research organization or nutrition department in hospital. He/she will maintain a daily diary duly signed by the industrial/research supervisor and submit a written report. At the end of the internship, the student will be evaluated by a supervisory committee on the basis of his/her performance and the final written report and viva or oral presentation.

#### **DIPLOMA IN FOOD ANALYSIS AND FOOD SECURITY: 1 YEAR (2 SEMESTERS) PROGRAMME (25)**

The syllabus is made to fulfill these objectives containing theory papers, practical research and project work with laboratory experience.

Pre-requisite: H.S.C, Pre-Medical Group with Second Class.

<b>First Semester</b>		<b>C.H.</b>	<b>Second Semester</b>		<b>C.H.</b>
DFA 300	Introduction to Food Analysis & Food Security	2	DFA 303	Food Safety & Quality control	2
DFA 302	Food Chemistry	2	DFA310	Food Analysis – II	2
DFA 304	Food Analysis-I	2	DFA	Practicals	4
DFA 306	Food Additives	2	DFA 312	Project Work / Internship	3
DFA 305	Practicals	4	DFA 313	Comprehensive Viva	2

## INSTITUTE OF BIOTECHNOLOGY & GENETIC ENGINEERING

The setting up of a separate Institute of Biotechnology and Genetic Engineering gave a fresh impetus to the development of the multidisciplinary field of modern biotechnology and genetics. In present days, the boundaries of Biotechnology and Genetics are expanding with fantastic speed and their topic areas are turning into independent fields of specialization. Biotechnology is broadly defined as a fusion between natural sciences (such as biology, biochemistry and genetics) and technological fields. The necessity of Biotechnology was felt years back and in this regard Enzyme and Fermentation Research Laboratory was established within the Institute of Chemistry in 1989. The Centre for Advanced Studies in Biotechnology was established in January 2002 and started an M.Sc. (Biotech). It was then upgraded to Institute in April 2003 and started BS Genetics in 2004 and BS Biotech in 2014. During this period several Ph.D. and M.Phil. degrees were awarded besides completion of seventeen (17) research projects sponsored by National and International funding agencies. So far more than 400 research articles have been published by the faculty in National and International Journals.

The challenges of 21<sup>st</sup> Century among other things would require advance and applied research activities to promote and contribute to the scientific, technological and economic development of the country.

The newly established Institute is providing teaching and research facilities in the areas of Plant Biotechnology, Industrial Biotechnology, Healthcare, Environment Biotechnology and Genetics. The Institute has established international linkages and collaborations with highly reputed research laboratories and institute, e.g. Shanghai Jiatong University China, Chinese academic of Tropical Agriculture Science (CATAS) Hainan, China, ICCBS, University of Karachi, PCSIR Karachi, Nuclear Institute of Agriculture Tando Jam and Research & Diagnostic Lab. LUMHS, Jamshoro to overcome its resources constraints. So far the institute has organised five international symposia on biotechnology and three national training courses on biotechnological techniques.

The main goal of the Institute of Biotechnology and Genetic Engineering is teaching and research.

- To train needed scholars and researchers in the field of Biotechnology and Genetic Engineering and provide skilled manpower to the country.
- To promote the Sciences of Biotechnology and Genetics in the country, through organizing symposium, training courses, correspondence, publication of scientific research journal and books and articles.

The Institute is presently offering the following degree Programmes:

- BS in Genetics (8 Semesters)
- BS in Biotechnology (8 Semesters)
- M.Sc. in Biotechnology (4 Semesters)
- M.Phil./MS Biotechnology (4 Semesters)
- M.Phil./MS Genetics (4 Semesters)
- Ph.D. in Biotechnology
- Ph.D. in Genetics

Experienced and competent faculty with expertise and long experience in the area are presently conducting teaching and research Programmes.

### The teaching faculty comprises the following:

**Muhammad Rafiq, Professor and Director**

M.Sc. (BZU) 1999, M. Phil. (PU) 2002, Ph. D (SU) 2012, Post Doc. (China) 2019

**Naqvi, Syed Habib Ahmed, Professor**

M.Sc. 1996, Ph.D. (S.U.) 2005, Post Doc. (China) 2008

**Qureshi, Abdul Sattar, Associate Professor**

M.Sc 2001, M.Phil. (S.U.) 2008, Ph.D. (China) 2015

**Bhutto, Muhammad Aqeel, Associate Professor**

M.Sc. (S. U) 2002, M.Phil. (S.U.) 2009, Ph.D. (China) 2016

**Khushk, Imrana, Associate Professor**

M.Sc. (S.U.) 2001, Ph.D. (China) 2016

**Ikram-ul-Haq, Assistant Professor**

M.Sc. (UAF) 2000, M.Phil. (UAF) 2002, Ph.D. (SU) 2012, Post Doc.(Netherland) 2014

Siddiqui, Komal, Assistant Professor  
BS Genetics (S. U) 2009, M.Phil. (NIBGE), Ph.D. (SU) 2021

Sajid Ali, Assistant Professor (Adhoc)  
BS Genetics (S.U.) 2009, Ph.D. (KU) 2019

Four (04) Teaching Assistants.

### BS (GENETICS): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-134

Pre-requisite: H.S.C. Pre-Medical or General Science group with Biology, Pre-Entry Test.

#### FIRST YEAR

<b>First Semester</b>		<b>C.H.</b>
ENGL 300	English	3
PKST 302	Pakistan Studies	2
MATH 304	Mathematics	3
GENT 310-311	Cell Biology	3+1
	Minor-I, Theory & Practical	2+1
	Minor-II, Theory & Practical	2+1
CHEM/PHSL/MICR/ BIOC/BOTN/ZOOL/ FWBF 320-321	Chemistry/Physiology/Microbiology/Biochemistry/Botany/ Zoology/Fresh Water Biology & Fisheries	2+1
<b>Second Semester</b>		<b>C.H.</b>
ENGL 301	English	3
ISST 302	Islamic Studies	2
MATH 306	Mathematics	3
GENT 312-313	Fundamentals of Genetics	3+1
	Minor-I, Theory & Practical	2+1
	Minor-II, Theory & Practical	2+1
CHEM/PHSL/MICR/ BIOC/BOTN/ZOOL/ FWBF 322-323	Chemistry/Physiology/Microbiology/Biochemistry/Botany/ Zoology/Fresh Water Biology & Fisheries	2+1

#### SECOND YEAR

<b>First Semester</b>		<b>C.H.</b>
ENGL 400	English	3
CIVZ 400	Civilization	2
GENT 410-411	Molecular Genetics	3+1
	Minor-I, Theory & Practical	2+1
	Minor-II, Theory & Practical	2+1
CHEM/PHSL/MICR/ BIOC/BOTN/ZOOL/ FWBF 420-421	Chemistry/Physiology/Microbiology/Biochemistry/Botany/ Zoology/Fresh Water Biology & Fisheries	2+1

<b>Second Semester</b>		<b>C.H.</b>
ENGL 401	English	3
ENVS 401	Environmental Sciences	2
GENT 412-413	Principles of Breeding	3+1
	Minor-I, Theory & Practical	2+1
	Minor-II, Theory & Practical	2+1
CHEM/PHSL/MICR/ BIOC/BOTN/ZOOL/ FWBF 422-423	Chemistry/Physiology/Microbiology/Biochemistry/Botany/ Zoology/Fresh Water Biology & Fisheries	2+1

#### THIRD YEAR

<b>First Semester</b>		<b>C.H.</b>
GENT 500-501	Fundamentals of Biotechnology	3+1
GENT 502-503	Cytogenetics	2+1
GENT 504-505	Biochemistry-I	3+1
GENT 506-507	Microbial Genetics	2+1
GENT 508-509	Bioinformatics	2+1
<b>Second Semester</b>		<b>C.H.</b>
GENT 510-511	Fermentation Biotechnology	3+1
GENT 512-513	Biochemistry-II	3+1
GENT 514-515	Quantitative & Population Genetics	2+1
GENT 516-517	Evolution and Biodiversity	2+1
GENT 518-519	Human Genetics	2+1

#### FOURTH YEAR

First Semester	C.H.
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GENT 600-601	Genetic Engineering	3+1
GENT 602-603	Instruments used in Genetics	3+1
GENT 604-605	DNA Finger printing & Mol. Diagnostics	2+1
GENT 606-607	Induced Mutagenesis	2+1
GENT 608-609	Enzyme Technology	2+1

Second Semester	C.H.
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GENT 610	Developmental and Behavioral Genetics	3
GENT 612	Approaches to Scientific Investigation	3
GENT 614	Advanced Genetics	3
GENT 615	Research Project or optional courses	4
GENT 616	Comprehensive Viva Voce	2

Any two subjects may be selected in lieu of Research Project.

#### Optional Subjects: -

C.H.
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GENT 620	Cell & Tissue Culture	2
GENT 622	Gene Technology	2
GENT 624	Germplasm Resources	2
GENT 626	Hydroponics	2
GENT 628	Plant Pathology	2
GENT 630	Nano Technology	2
GENT 632	Immunogenetics	2

#### BS (BIOTECHNOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

**Pre-requisite:** H.S.C. Pre-Medical or General Science group with biology, Pre-Entry Test.

#### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
ENGL 300	3	ENGL-301	3
PKST-301	2	ISST 300	2
MATH 300	3	MATH-301	3
BIOT 310-311	3+1	CHEM 322-323	2+1
CHEM 320-321	2+1	BIOT 314-315	3+1
BIOT 312-313	2+1	BIOT 316-317	2+1

#### SECOND YEAR

Third Semester	C.H.	Fourth Semester	C.H.
ENGL 400	3	ENGL 401	3
ISST 400	2	BIOT 416-417	2+1
CHEM 420-421	2+1	Environment	
BIOT 410-411	2+1	CHEM 422-423	2+1
BIOT 412	2	STAT 400-401	2+1
Biotechnology		BIOT 418-419	3+1
BIOT 414-415	2+1	BIOT 420	2
Fundamental of Microbiology		Business Applications in Biotechnology	

#### THIRD YEAR

Fifth Semester	C.H.	Sixth Semester	C.H.
BIOT 500-501	3+1	BIOT 520-521	3+1
Fundamentals of Biotechnology		BIOT 522-523	3+1
BIOT 502-503	2+1	BIOT 524	2
BIOT 506-507	3+1	BIOT 526-527	2+1
BIOT 510-511	2+1	BIOT 528	2
BIOT 512-513	2+1	Omics	

#### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
BIOT 600-601	Genetic Engineering	3+1
BIOT 602-603	Tools and Techniques in Biotechnology	3+1
BIOT 604-605	Food Biotechnology	2+1
BIOT 606-607	Animal Cell and Tissue Engineering	2+1
BIOT 608-609	Enzyme Technology	2+1

<b>Eights Semester</b>		<b>C.H.</b>
BIOT 610	Research Methodology	3
BIOT 614-615	Plant Cell and Tissue Culture	2
BIOT 616-617	Medical Biotechnology	2
BIOT 619	Thesis/ Research Project (Partial) in lieu of 3 Practicals (BIOT-615, 617, 623)	3
BIOT 620	Comprehensive Viva voice	2
BIOT 622-623	Hydroponics	2+1
BIOT 624	Biosafety and Bioethics	2

#### M.Sc. (BIOTECHNOLOGY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: Bachelor degree in Chemistry and any biological science subject, with a minimum of 45% score.

#### PREVIOUS

<b>First Semester</b>		<b>C.H.</b>
BIOT 500-501*	Fundamentals of Biotechnology	2+1
BIOT 502-503	Organic & Physical Chemistry	3+1
BIOT 504-505	Cell & Molecular Biology	2+1
BIOT 506-507	Biological Chemistry	3+1
BIOT 508-509	Biostatistics application in Biotechnology	2+1

<b>Second Semester</b>		<b>C.H.</b>
BIOT 510-511	Fermentation Biotechnology	3+1
BIOT 512-513	Basic Microbiology	2+1
BIOT 514-515	Molecular Genetics	2+1
BIOT 516-517	Metabolism	3+1
BIOT 518-519	Computer Applications in Biotechnology	2+1

#### FINAL

<b>Third Semester</b>		<b>C.H.</b>
BIOT 600-601	Genetic Engineering	3+1
BIOT 602-603	Tools & Techniques in Biotechnology	3+1
BIOT 604-605	Agriculture & Food Biotechnology	2+1
BIOT 606-607	Animal Cell & Tissue Culture	2+1
BIOT 608-609	Enzyme Technology	2+1

<b>Fourth Semester</b>		<b>C.H.</b>
BIOT 610	Research Methodology	3
BIOT 612-613	Biodiversity & Environment Biotechnology	2+1
BIOT 614-615	Plant Tissue Culture	2+1
BIOT 616-617	Medical Biotechnology	2+1
BIOT 618	Biotechnology Business Application	3
BIOT 619	Research Project in lieu of Practicals (BIOT 613, 615, 617)	3
BIOT 620	Comprehensive Viva Voce	2

\* odd number courses are labs

## DR. M.A. KAZI INSTITUTE OF CHEMISTRY

Department of Chemistry, founded in 1953 has the distinction of being the very first department under the then Faculty of Science established at the Elsa Kazi Campus of the university in Hyderabad. The department was shifted to Allama I.I. Kazi Campus, Jamshoro in 1961. The status of the department was raised to the Institute of Chemistry in 1967. The Institute was named as Dr. M.A. Kazi Institute of Chemistry in 1999 after the name of its founder Chairman & Director (Late) Prof. Dr. Mumtaz Ali Kazi.

The Institute has been offering undergraduate, graduate and doctoral research Programmes in Analytical, Organic, Inorganic and Physical Chemistry. Since its inception the Institute has catered to the human resource requirements of the country in general and the region in particular. The graduates of this Institute are holding key posts in the country as well as abroad.

The Institute has 24 spacious and equipped laboratories with highly qualified faculty. The Institute has to date awarded 53 Ph.D. degrees in addition to a number of M.Phil. since the introduction of doctoral research Programme in 1961.

The Institute also has the distinction of having two of its graduates (i) Late Prof. Dr. Zafar Hassan Zaidi and (ii) Prof. Dr. M.Y. Khuhawar, being admitted to the degree of Doctor of Science (D.Sc.) by the University of Leeds and the University of Birmingham, U.K. respectively, for their outstanding contributions towards research in their fields of specialization.

The Institute presently offers 4-year, BS Chemistry, 2-year M.Sc. (Pass) Programmes both in the Morning as well as Evening, besides MS/ M.Phil. and Ph.D. Programmes.

### The teaching faculty comprises the following:

**Rind, Mahboob Ali, Professor and Director**

M.Sc. (S.U.) First Class First Position 1988, Ph.D. (S.U.) 2004

**Mastoi, Ghulam Murtaza, Professor**

M.Sc. (S.U.) 1991, Ph.D. (S.U.) 2003

**Mallah, Arfana Begum, Professor**

M.Sc. (QUI) 1998, M.Phil. (SU) 2002, Ph.D. 2012

**Moghal, Moina Akhtar, Professor**

M.Sc. (S. U) 1995, M.Phil. (S.U.) 2003, Ph.D. (S.U.) 2013

**Memon, Saima Qayoom, Professor**

M.Sc. (S.U.) 2000, Ph.D. (S.U.) 2005

**Syed Ambreen Shah, Professor**

M.Sc. (S.U.) 2001, Ph.D. (S.U.) 2012

**Laghari, Abdul Jabbar, Associate Professor**

M.Sc. (S.U.) 1993, M.Ed. 2001, Ph.D. (S.U.) 2012

**Memon, Ghulam Zuhra, Associate Professor**

M.Sc. (S.U.) 2003, Ph.D. (S.U.) 2009

**Pathan, Humera Khan, Associate Professor**

M.Sc. (S.U.) 2002, Ph.D. (S.U.) 2008

**Memon, Nusrat Naeem, Associate Professor**

M.Sc. (SALUniversity, Khairpur) 2001, Ph.D. 2011

**Ibupoto, Zaffar Hussain, Associate Professor**

M.Sc. (SALUniversity, Khairpur) 2001, Ph.D. (Linköping University, Sweden) 2014

**Hulio, Ahmed Ali, Associate Professor**

M.Sc. (S.U.) 2000 (Gold Medal)

**Panhwar, Qadeer Khan, Associate Professor**

M.Sc. (S.U.) 2004, Ph.D. (S.U.) 2014

**Samejo, Muhammad Qasim, Associate Professor**

M.Sc. (S.U.) 2004, Ph.D. (S.U.) 2013

**Memon, Jameel-Ul-Rehman, Associate Professor**

M.Sc. (S.U.) 2003, Ph.D. (S.U.) 2009

**Solangi, Imam Bux, Associate Professor**

Ph.D. (S.U.) 2011

**Kandhro, Aftab Ahmed, Associate Professor**

Ph.D. (S.U.) 2011

**Qureshi, Muhammad Shafique, Assistant Professor**

M.Sc. (S.U.) 1990

**Bhutto, Aijaz Ahmed, Assistant Professor**

BS-IV (S. U) 2006, M.Phil. leading to Ph.D. (S.U.) 2009

**Shaikh, Saba Naz, Assistant Professor**

BS-IV (S.U.) 2006, Ph.D. (S.U.) 2015

**Shar, Zahid Hussain, Assistant Professor**

BS (S. U) 2007, Ph.D. (S.U.) 2015



Siyal, Ali Nawaz, Assistant Professor

M.Sc. (QAU) 2008, Ph.D. (S.U.) 2014

Chang, Abdul Sattar, Assistant Professor

M.Sc. ((S.A.L. University, Khairpur Mir's)) 2007-2008, Ph.D. (S.U.) 2021

Mahar, Nasrullah, Assistant Professor

BS (S.A.L. University, Khairpur Mir's) 2010, M.Phil. (S.U.) 2017, (Registered for Ph.D.) 2018

Talpur, Muhammad Younis, Assistant Professor

M.Sc. (H) (S.U.) 2004, Ph.D. (S.U.) 2013

Khuawar, Muhammad Yar, (Emeritus Professor)

M.Sc. (S.U.) 1971, Ph.D. 1977, D.Sc. (Birmingham) 1998

**BS (CHEMISTRY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-144  
(MORNING & EVENING)**

Pre-requisite: H.S.C. with Pre-Medical or Pre-Engineering Group: Pre-Entry Test.

**FIRST YEAR**

<b>First Semester</b>		<b>C.H.</b>
ENGL-300	English-I	3
PKST-300	Pakistan Studies	2
MATH-300	Mathematics-I	3
CHEM310-311	Analytical Chemistry	2+1
PHYS320-321	Supporting-I (Compulsory) Paper-I Physics-I	2+1
<b>For Pre-Medical</b>		
ZOOL/BOT/PHSL/	Supporting-II (Optional) Paper-II	
FWBF 320-321	Zoology/Botany/Physiology/Fresh Water Biology & Fisheries	2+1
<b>For Pre-Engineering</b>		
STAT/GEOG/	Supporting-II (Optional) Paper-II	
GEOL 320-321	Statistics/Geography/Geology	2+1

<b>Second Semester</b>		<b>C.H.</b>
ENGL 301	English-II	3
ISST/ETHS301	Islamic Studies/Ethics	2
MATH 301	Mathematics-II	3
CHEM312-313	Physical Chemistry	3+1
<b>For Pre-Medical</b>		
ZOOL/BOT/PHSL/	Supporting-II (Optional) Paper-II	
FWBF 322-323	Zoology/Botany/Physiology/Fresh Water Biology & Fisheries	2+1
<b>For Pre-Engineering</b>		
STAT/GEOG/	Supporting-II (Optional) Paper-II	
GEOL 322-323	Statistics/Geography/Geology	2+1
<b>SECOND YEAR</b>		
<b>Third Semester</b>		<b>C.H.</b>
ENGL 400	English-III	3
MATH 400	Mathematics-III	3
CIVIZ 400	Civilization	2
CHEM410-411	Inorganic Chemistry	3+1
PHYS420-421	Supporting-I (Compulsory) Paper-III Physics-III	2+1
<b>For Pre-Medical</b>		
ZOOL/BOT/PHSL/	Supporting-II (Optional) Paper-III	
FWBF 420-421	Zoology/Botany/Physiology/Fresh Water Biology & Fisheries	2+1
<b>For Pre-Engineering</b>		
STAT/GEOG/	Supporting-II (Optional) Paper-III	
GEOL 420-421	Statistics/Geography/Geology	2+1
<b>Fourth Semester</b>		<b>C.H.</b>
ENGL 401	English-IV	3
ENV 401	Environmental Sciences	2
MATH 401	Mathematics-IV	3
COMP 401	Computing in Chemistry	NC
CHEM412-413	Organic Chemistry	3+1
PHYS 422-423	Supporting-I (Compulsory) Paper-IV Physics-IV	2+1

**For Pre-Medical**

ZOOL/BOT/PHSL/  
FWBF 422-423      Supporting-II (Optional) Paper-IV  
Zoology/Botany/Physiology/Fresh Water Biology & Fisheries      2+1

**For Pre-Engineering**

STAT/GEOG/  
GEOL 422-423      Supporting-II (Optional) Paper-IV  
Statistics/Geography/Geology      2+1

**THIRD YEAR**

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
CHEM 500-501	Inorganic Chemistry 3+1	CHEM 510-511	Inorganic Chemistry 3+1
CHEM 502-503	Organic Chemistry 3+1	CHEM 512-513	Organic Chemistry 3+1
CHEM 504-505	Physical Chemistry 3+1	CHEM 514-515	Physical Chemistry 3+1
CHEM 506-507	Analytical Chemistry 3+1	CHEM 516-517	Analytical Chemistry 3+1
CHEM 508	Chemistry in Industry 2	CHEM 518	Chemistry in Industry 2

**FOURTH YEAR**

Choose any one of the field "A" to "D" for specialization during Seventh & Eighth Semester

**A. ANALYTICAL CHEMISTRY**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
CHEM 600	Spectroscopic Methods 4	CHEM 606	Hyphenated Techniques 4
CHEM 602	Electrochemical Methods 4	CHEM 608	Advanced Chromatography 4
CHEM 604	Nuclear Techniques 4	CHEM 610	Atomic Emission Spectroscopy 4
CHEM 605	Advanced Practical 4	CHEM 611	Advanced Practical/ Project 4
		CHEM 612	Comprehensive Examination 4

**B. INORGANIC CHEMISTRY**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
CHEM 620	Instrumental Methods of Analysis 4	CHEM 626	Organometallic Chemistry 4
CHEM 622	Reaction Mechanism & Bonding Anomalies 4	CHEM 628	Magnetochemistry 4
CHEM 624	Application of Inorganic Compounds OR Bio-Inorganic Chemistry 4	CHEM 630	Nuclear Chemistry 4
CHEM 625	Advanced Practical 4	CHEM 631	Advanced Practical/ Project 4
		CHEM 632	Comprehensive Examination 4

**C. ORGANIC CHEMISTRY**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
CHEM 640	Reaction Mechanism 4	CHEM 646	Natural Products Chemistry 4
CHEM 642	Molecular Rearrangements 4	CHEM 648	Lipids, Proteins & Synthetic Drugs 4
CHEM 644	Spectroscopy 4	CHEM 650	Application of Organic Chemistry 4
CHEM 645	Advanced Practical 4	CHEM 651	Advanced Practical/ Project 4
		CHEM 652	Comprehensive Examination 4

**D. PHYSICAL CHEMISTRY**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
CHEM 660	Polymer Chemistry 4	CHEM 666	Radiation Chemistry 4
CHEM 662	Spectroscopy 4	CHEM 668	Surface Chemistry 4
CHEM 664	Thermodynamics & Electrochemistry 4	CHEM 670	Chemical Kinetics 4
CHEM 665	Advanced Practical 4	CHEM 671	Advanced Practical/ Project 4
		CHEM 672	Comprehensive Examination 4

\* Odd number courses are Labs.

### M.Sc. (CHEMISTRY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-72

This Programme is open to students who have obtained 2- year B.Sc. (Pass) degree with Chemistry and Mathematics. Candidates who possess B.Sc. (Pass) degree without obtaining one of optional subject of Chemistry are not eligible for admission. The courses during the first 2 semesters outlined here are general advanced level courses. The final two semesters provide opportunity for specialization in any of the fields i.e. Analytical, Inorganic, Organic or Physical Chemistry.

**Pre-Requisite:** B.Sc. (Pass) degree with optional as above.

**Note:** Letter "P" indicate M.Sc. (Pass) course numbers. Chemistry requirements for First & Second semester (CH 36).

#### PREVIOUS

First Semester	C.H.	Second Semester	C.H.
CHEM 500P-501P	Inorganic Chemistry 3+1	CHEM 510P-511P	Inorganic Chemistry 3+1
CHEM 502P-503P	Organic Chemistry 3+1	CHEM 512P-513P	Organic Chemistry 3+1
CHEM 504P-505P	Physical Chemistry 3+1	CHEM 514P-515P	Physical Chemistry 3+1
CHEM 506P-507P	Analytical Chemistry 3+1	CHEM 516P-517P	Analytical Chemistry 3+1
CHEM 508P	Chemistry in Industry 2	CHEM 518P	Chemistry in Industry 2

#### FINAL

**Chemistry requirements for Third & Fourth semester (CH 36):** Select any one of the fields "A" to "D" for specialization.

#### A. ANALYTICAL CHEMISTRY

Third Semester	C.H.	Fourth Semester	C.H.
CHEM 600P	Spectroscopic Methods 4	CHEM 606P	Hyphenated Techniques 4
CHEM 602P	Electrochemical Methods 4	CHEM 608P	Advanced Chromatography 4
CHEM 604P	Nuclear Techniques 4	CHEM 610P	Atomic Emission Spectroscopy 4
CHEM 605P	Advanced Practical 4	CHEM 611P	Advanced Practical/ Project 4
		CHEM 612P	Comprehensive Examination 4

#### B. INORGANIC CHEMISTRY

Third Semester	C.H.	Fourth Semester	C.H.
CHEM 620P	Instrumental Methods of Analysis 4	CHEM 626P	Organometallic Chemistry 4
CHEM 622P	Reaction Mechanism & Bonding Anomalies 4	CHEM 628P	Magnetochemistry 4
CHEM 624P	Application of Inorganic Compounds OR Bio-Inorganic Chemistry 4	CHEM 630P	Nuclear Chemistry 4
CHEM 625P	Advanced Practical 4	CHEM 631P	Advanced Practical/ Project 4
		CHEM 632P	Comprehensive Examination 4

#### C. ORGANIC CHEMISTRY

Third Semester	C.H.	Fourth Semester	C.H.
CHEM 640P	Reaction Mechanism 4	CHEM 646P	Natural Products Chemistry 4
CHEM 642P	Molecular Rearrangements 4	CHEM 648P	Lipids, Proteins & Synthetic Drugs 4
CHEM 644P	Spectroscopy 4	CHEM 650P	Application of Organic Chemistry 4
CHEM 645P	Advanced Practical 4	CHEM 651P	Advanced Practical/ Project 4
		CHEM 652P	Comprehensive Examination 4

#### D. PHYSICAL CHEMISTRY

Third Semester	C.H.	Fourth Semester	C.H.
CHEM 660P	Polymer Chemistry 4	CHEM 666P	Radiation Chemistry 4
CHEM 662P	Spectroscopy 4	CHEM 668P	Surface Chemistry 4
CHEM 664P	Thermodynamics & Electrochemistry 4	CHEM 670P	Chemical Kinetics 4
CHEM 665P	Advanced Practical 4	CHEM 671P	Advanced Practical/ Project 4
		CHEM 672P	Comprehensive Examination 4

\* Odd number courses are Labs.

## INSTITUTE OF MATHEMATICS & COMPUTER SCIENCE

The Institute of Mathematics and Computer Science (IMCS) was established in 1986 by upgrading the Department of Mathematics, which was founded in 1953. At present its major components are Mathematics and Computer Science. The Institute developed its research Programmes for M.Phil./MS and Ph.D. (Mathematics) in 1991 and has been enrolling students since then. While M.Phil./MS Programme (Computer Science) started in 2003 and Ph.D. (Computer Science) in 2015. The Institute has also started M.Phil./MS (Bioinformatics) in 2013. IMCS offers 4-Year (8-Semesters) Bachelor Programmes in Mathematics and Computer Science namely BS (Mathematics) and BS (Computer Science) as well as 2-Year (4-Semesters) Master Programmes in Mathematics and Computer Science. The 2-Year Programmes include M.Sc. (Mathematics), M.Sc. (Computer Science), and Master of Computer Science (MCS). IMCS also offers 4-Year (8-Semester) BS (Computer Science) in the Evening Shift. To further develop the understanding of Computer Science amongst academic and administrative staff, students, and masses, IMCS offers M.Sc. (Computer Science) and Post Graduate Diploma Programmes. The Institute is committed to preparing and inculcating the students with strong theoretical and practical knowledge of mathematics and computing fundamentals so that they can apply the knowledge to identify, formulate, and solve complex computing and mathematical problems by adapting and applying appropriate techniques and state-of-the-art computing tools. The curricula of computer science conform to HEC computing curriculum 2017. IMCS strictly complies with guidelines provided by National Computing Education Accreditation Council, an accreditation authority established by Higher Education Commission of Pakistan. IMCS provides a conducive environment for effective teaching and learning. The Institute has spacious classrooms equipped with multimedia facilities, laboratories with modern computers connected with high speed Internet, Seminar library is replete with adequate number of computing and mathematics related books. Teachers and students have also access to digital libraries with ample books, journals, and magazines.

### The teaching faculty comprises the following:

Shaikh, Abdul Wasim, **Professor and Director**  
M.Sc. (S.U.) 1990, Ph.D. (P.R. China) 2006

Keerio, Ayaz, **Professor**  
M.Sc. (S.U.) 1998, Ph.D. (Sussex, UK) 2011

Maree, Baloch Mujeeb-U-Rehman, **Professor**  
M.Sc. (S.U.) 1988, Ph.D. (P.R. China) 2006

Khuhro, Zainul Abidin, **Professor**  
M.Sc. (S.U.) 1998, Ph.D. (Essex, UK) 2011

Memon, Farhat Naureen, **Professor (On Lien)**  
M.Sc. (S.U.) 1999, Ph.D. (Essex, UK) 2012

Nizamani, Qurat-Ul-Ain, **Professor (On Lien)**  
M.Sc. (S.U.) 2000, Ph.D. (Leicester, UK) 2012

Nizamani, Hyder Ali, **Professor (On Lien)**  
M.Sc. (S. U) 2000, M.Phil. (SZABIST) 2006, Ph.D. (Leicester, UK) 2012

Korejo, Imtiaz Ali, **Professor**  
M.Sc. (S.U.) 2000, Ph.D. (Leicester, UK) 2012

Malkani, Yasir Arfat, **Associate Professor**  
M.Sc. (S.U.) 2002, Ph.D. (Sussex, UK) 2011

Chandio, Fida Hussain, **Associate Professor**  
M.Sc. (SU) 2001, Ph.D. (Brunel, UK) 2012, Postdoc (IIUM, Malaysia) 2015

Rajpar, Noor Jehan, **Associate Professor (On Lien)**  
M.Sc. (S.U.) 2001, Ph.D. (Leicester, UK) 2012

Kalhor, Zubair Ahmed, **Associate Professor**  
M.Sc. (S.U.) 2005, Ph.D. (Xiamen, China) 2016

Chandio, Aftab Ahmed, **Associate Professor**  
BS (CS) (S.U.) 2006, Ph.D. (CAS, P.R. China) 2016

Soomro, Abdul Karim, **Assistant Professor**  
M.Sc. (S.U.) 1987

Memon, Fiaz Ahmed, **Assistant Professor**  
M.Sc. (S.U.) 1992

Hussaini, Nazish Nawaz, Assistant Professor  
M.Sc. (SU) 1996, M.Phil. (S.U.) 2008, Ph.D. (Isra University) 2017

Mallah, Muhammad Rafique, Assistant Professor  
M.Sc. (S.U.) 2001

Memon, Kashif, Assistant Professor  
BS (Mathematics) (S. U) 2006, M.Phil. (Mathematics) (S.U.) 2015, Ph.D. (Mathematics) (S.U.) 2020

Unar, Kulsoom Saima, Assistant Professor (On Study Leave)  
BS (CS) (S. U) 2007, M.Phil. (Computer Science) (S.U.) 2016

Laghari, Gulsher, Assistant Professor  
BSIT (S. U) 2005, M.Phil. (IT) (S.U.) 2014, Ph.D. (Belgium) 2018

Naqvi, Hira Fatima, Assistant Professor  
BS (CS) (S.U.) 2009, Ph.D. (S.U.) 2018

Chandio, Shahmurad, Assistant Professor  
BS IT. (S.U.) 2005, Ph.D. (IIUM) Malaysia 2019

Channa, Najma Nawaz, Assistant Professor  
BCS (S.U.) 2005, Ph.D. (IIUM) Malaysia 2019

Dero, Sumera, Assistant Professor  
M.Sc.(SU) 2001, Ph.D. (IIUM) Malaysia 2020

Buledi, Asadullah, Assistant Professor (on Study Leave)  
BS (S.U.) 2007, Ph.D. (S.U.) 2019

Brohi, Kamran, Lecturer  
M.Sc. (S.U.) 2001, MS (IT) Tando Jam 2021

Nangraj, Abdul Rehman, Lecturer  
BCS (S.U.) 2005

Soomro, Asia, Lecturer  
BSIT (S.U.) 2009

Qureshi, Zohaib Ali, Lecturer  
BS (Mathematics) (S. U) 2009, M.Phil. (MUET) 2018

Bhatti, Aijaz Ahmed, Lecturer (on Study Leave)  
M.Sc. (Mathematics) (S.U.) 2013

05 Teaching Assistants in Mathematics

07 Teaching Assistants in Computer Science

01 Teaching Assistant in English

## BS (MATHEMATICS): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. Pre-Engineering/General Science group with Mathematics / Arts Group with Mathematics as elective subject; Pre-Entry Test.

### FIRST YEAR

<b>First Semester</b>		<b>C.H.</b>
ENGL 300	English I	3
ISST/ETHS 300	Islamic Studies/Ethics	2
ENVS/PHSL/FACC 300	Environmental Sciences/Physiology/Organizational Behavior/ Financial Accounting	2+1
MATH 310	Mathematics-I	3
MATH 320	Applied Mathematics-I	3
PHYS/CHEM/GEOG/GEOL 320-321	Physics/Chemistry/Geography/Geology	2+1

<b>Second Semester</b>		<b>C.H.</b>
ENGL 301	English-II	3
PKST 301	Pakistan Studies	2
ENVS/PHSL/FACC 302	Environmental Sciences/Physiology/Organization Behavior / Financial Accounting	3
MATH 321	Mathematics- II	3
MATH 322	Applied Mathematics- II	3
PHYS/CHEM/GEOG/GEOL 322-323	Physics/Chemistry/Geography/Geology	2+1

### SECOND YEAR

<b>Third Semester</b>		<b>C.H.</b>
ENGL 400	English-III	3
MATH 410	Mathematics- III	3
MATH 412	Mathematics- IV	3
MATH 420	Applied Mathematics- III	3
PHYS/CHEM/GEOG/GEOL 420-421	Physics/Chemistry/Geography/Geology	2+1

**Fourth Semester** **C.H.**

ENGL 401	English IV	3
MATH 414	Mathematics- V	3
MATH 416	Mathematics- VI	3
MATH 422	Applied Mathematics- IV	3
PHYS/CHEM/ GEOG/GEOL 422-423	Physics/Chemistry/Geography/Geology	2+1

**THIRD YEAR**

Fifth Semester			C.H.	Sixth Semester			C.H.
MATH 500	Real Analysis- I	3		MATH 506	Real Analysis- II	3	
MATH 501	Algebra- I	3		MATH 507	Algebra- II	3	
MATH 502	Complex Analysis	3		MATH 508	Measure Theory	3	
MATH 503	Analytical Dynamics	3		MATH 510	Algebraic Topology	3	
MATH 504	Differential Equation	3		MATH 511	Numerical Analysis- I	3	
				MATH 517	Graph Theory	3	

**FOURTH YEAR**

Seventh Semester			C.H.	Eights Semester			C.H.
MATH 600	Functional Analysis	3		MATH 606	Methods of Mathematical	3	
MATH 601	Mathematical Statistics & Probability	3			Physics		
MATH 603	Rings & Fields	3		MATH 607	Optimization Techniques	3	
MATH 604	Numerical Analysis- II	3		MATH 608	Econometrics	3	
MATH 605	Operations Research	3		MATH 609	Tensor Analysis	3	
				MATH 610	Integral Equations	3	
				MATH 611	Numerical Solution of P.D. E	3	
				MATH 612	Comprehensive Viva Voce	2	

**Note:** details of the course contents can be obtained from the office of the IMCS

**M.A./M.Sc. (MATHEMATICS): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-68**

This Master Programme provides opportunity to students to acquire specialization in order to meet specific career requirements, specially in teaching. The Programme is particularly significant for students with 2 year B.A./ B.Sc. Pass degree from the affiliated

colleges. Where specialized subject experts are generally wanting. The Master's Programme of 4 semester duration for B.A. / B.Sc. (Pass) candidates who join as students of M.Sc. (Previous) has been designed accordingly.

Pre-requisite: B.Sc./ B.A. (Pass) degree with Mathematics as one of the elective subjects.

**M.Sc. (PREVIOUS)**

First Semester			C.H.	Second Semester			C.H.
MATH 500	Real Analysis-I	3		MATH 506	Real Analysis-II	3	
MATH 501	Algebra-I	3		MATH 507	Algebra-II	3	
MATH 502	Complex Analysis	3		MATH 508	Measure Theory	3	
MATH 503	Analytical Dynamics	3		MATH 510	Numerical Methods	3	
MATH 504	Differential Equations	3		MATH 511	Algebraic Topology	3	
				MATH 517	Graph Theory		

**M.Sc. (FINAL)**

Third Semester			C.H.	Fourth Semester			C.H.
MATH 601	Functional Analysis	3		MATH 600	Computer Programming	3	
MATH 602	Numerical Analysis	3		MATH 606	Methods of Mathematical	3	
MATH 603	Mathematical Statistics & Probability	3			Physics		
MATH 605	Operations Research	3		MATH 608	Optimization Techniques	3	
				MATH 610	Econometrics	3	
				MATH 612	Tensor Analysis	3	
				MATH 613	Integral Equations	3	
				MATH 651	Comprehensive Viva Voce	2	

**Elective Subjects:**

- |                                  |                            |
|----------------------------------|----------------------------|
| 01. Algebra                      | 02. Research Methodology   |
| 03. Ring Theory                  | 04. Theory Modules         |
| 05. Homological Algebra          | 06. Combinatorics          |
| 07. Graph Theory                 | 08. Approximation          |
| 09. Automata Theory              | 10. Control Theory         |
| 11. Statistical Mechanics        | 12. Solid Mechanics        |
| 13. Quantum Mechanics            | 14. Astrology              |
| 15. Business Mathematics         | 16. Computer Graphics      |
| 17. Computational Fluid Dynamics | 18. Finite Element Methods |
| 19. Queuing Theory               |                            |



## COMPUTER SCIENCE PROGRAMMES

### BS (COMPUTER SCIENCE): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS)

#### CH-136 (MORNING & EVENING)

**Pre-requisite:** The minimum requirements for admission in a Bachelor degree Programme in Computer Science is At least 50% marks in Intermediate (HSSC) examination with Mathematics or equivalent qualification with Mathematics certified by IBCC. Pre-Entry Test

OR

The minimum requirements for admission in a Bachelor degree Programme in Computer Science is At least 50% marks in Intermediate (HSSC) examination with Pre-Medical or equivalent qualification, certified by IBCC. Pre-Entry Test

**Deficiency:**

*"Students with pre-medical must have to pass deficiency courses of Mathematics of 6 credit hours in first two semesters."*

#### FIRST YEAR

First Semester		C.H.
CC-310	Programming Fundamentals	3
CC-311	Programming Fundamentals (Lab)	1
CSGE-306	English Composition and Comprehension	3
CSGE-304	Introduction to Information and Communication Technologies	2
CSGE-305	Introduction to Information and Communication Technologies (Lab)	1
PKST-300	Pakistan Studies	2
CSUE-390	University Elective - I	3
CSMS-382	Applied Physics	3
MDC-387	Pre-Calculus I	3*
Second Semester		
CSC-330	Digital Logic Design	3
CSC-331	Digital Logic Design (Lab)	1
CC-312	Object Oriented Programming	3
CC-313	Object Oriented Programming (Lab)	1
CC-314	Discrete Structures	3
CSGE-308	Communication and Presentation Skills	3
ISST-301	Islamic Studies	2
CSMS-380	Calculus and Analytical Geometry	3
MDC-388	Pre-Calculus II	3*

#### SECOND YEAR

Third Semester		C.H.
CSC-430	Computer Organization and Assembly Language	3
CSC-431	Computer Organization and Assembly Language (Lab)	1
CC-410	Data Structures and Algorithms	3
CC-411	Data Structures and Algorithms (Lab)	1
CC-412	Software Engineering	3
CSMS-480	Linear Algebra	3
CSUE-490	University Elective – 2	3
Fourth Semester		C.H.
CSC-432	Theory of Automata	3
CC-414	Database Systems	3
CC-415	Database Systems (Lab)	1
CSS-450	CS Supporting – 1	3
CSS-452	CS Supporting – 2	3
CSMS-482	Probability and Statistics	3
CSUE-492	University Elective – 3	3

#### THIRD YEAR

Fifth Semester		C.H.
CSC-530	Design and Analysis of Algorithms	3
CSC-532	Compiler Construction	3
CC-510	Computer Networks	3
CC-511	Computer Networks (Lab)	1
CSE-560	CS Elective – 1	3
CSS-550	CS Supporting – 3	3
Sixth Semester		C.H.
CC-512	Operating Systems	3
CC-513	Operating Systems (Lab)	1
CC-514	Information Security	3
CSE-562	CS Elective – 2	3
CSE-564	CS Elective – 3	3
CSGE-504	Technical and Business Writing	3

#### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
CSC-630	Artificial Intelligence	3
CSC-631	Artificial Intelligence (Lab)	1
CSC-632	Parallel and Distributed Computing	3
CSE-660	CS Elective – 4	3
CSE-662	CS Elective – 5	3
CSGE-604	Professional Practices	3
CC-611	Final Year Project – 1	3

<b>Eighth Semester</b>		<b>C.H.</b>
CC-613	Final Year Project – 2	3
CSE-664	CS Elective – 6	3
CSE-666	CS Elective – 7	3
CSUE-690	University Elective – 4	3

- ❖ Extra 6 credit hours of Pre-Calculus I and Pre-Calculus II courses are only for students of Intermediate (Pre-Medical) group. The grade of these courses shall only be Pass/Fail to enable equivalent CGPA for both students of Intermediate (Pre-Medical) group and Intermediate (Pre-Engineering) in the same batch. Also, the grade of these courses shall be mentioned / shown in the BS (CS) transcript / mark sheet of students of Intermediate (Pre-Medical) group.

#### Courses included in the curriculum adapted/selected from HEC recommended categories

Course Category	Selected Course	C.H
<b>General Education</b>		
	English Composition and Comprehension	(3-0)
	Introduction to Information and Communication Technologies	(2-1)
	Pakistan Studies	(2-0)
	Communication and Presentation Skills	(3-0)
	Islamic Studies	(2-0)
	Technical and Business Writing	(3-0)
	Professional Practices	(3-0)

#### Computing Core

Programming Fundamentals	(3-1)
Object Oriented Programming	(3-1)
Discrete Structures	(3-0)
Data Structures and Algorithms	(3-1)
Database Systems	(3-1)
Operating Systems	(3-1)
Software Engineering	(3-0)
Computer Networks	(3-1)
Information Security	(3-0)
Final Year Project	(0-6)

#### Computer Science CORE (Compulsory)

Digital Logic Design	(3-1)
Computer Organization and Assembly Language	(3-1)
Design and Analysis of Algorithms	(3-0)
Theory of Automata	(3-0)
Compiler Construction	(3-0)
Artificial Intelligence	(3-1)
Parallel and Distributed Computing	(3-0)

**Courses included in the BSCS curriculum adapted/selected from HEC recommended categories**

Course Category	Selected Course	C.H
<b>Math and Science Foundation</b>		
	Calculus and Analytical Geometry	(3-0)
	Applied Physics	(3-0)
	Probability and Statistics	(3-0)
	Linear Algebra	(3-0)
<b>Computer Science SUPPORTING</b>		
CS Supporting – 1	Theory of Programming Languages	(3-0)
CS Supporting – 2	Differential Equations	(3-0)
CS Supporting – 3	Numerical Computing	(3-0)
<b>Computer Science ELECTIVE</b>		
CS Elective – 1	Python for Data Science	(3-0)
CS Elective – 2	Machine Learning	(3-0)
CS Elective – 3	Wireless Sensor Networks	(3-0)
CS Elective – 4	Web Engineering and Technologies	(3-0)
CS Elective – 5	Information Retrieval	(3-0)
CS Elective – 6	Speech Processing	(3-0)
CS Elective – 7	Mobile Application Development	(3-0)
<b>University Elective</b>		
University Elective – 1	Financial Accounting and Financial Management	(3-0)
University Elective – 2	Human Resource Management	(3-0)
University Elective – 3	Management Information System	(3-0)
University Elective – 4	E-Commerce	(3-0)

**MCS (COMPUTER SCIENCE): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS)  
CH-63**

Pre-requisite: The minimum requirements for admission in MCS degree Programmes are at least **50% marks in BSCS (Pass)/ BCS (Pass)**.

<b>First Semester</b>		<b>C.H.</b>
CSC-530	Design and Analysis of Algorithms	3
CSC-532	Compiler Construction	3
CC-510	Computer Networks	3
CC-511	Computer Networks (Lab)	1
CSE-560	CS Elective – 1	3
CSS-550	CS Supporting – 3	3
<b>Second Semester</b>		<b>C.H.</b>
CC-512	Operating Systems	3
CC-513	Operating Systems (Lab)	1
CC-514	Information Security	3
CSE-562	CS Elective – 2	3
CSE-564	CS Elective – 3	3
CSGE-504	Technical and Business Writing	3
<b>Third Semester</b>		<b>C.H.</b>
CSC-630	Artificial Intelligence	3
CSC-631	Artificial Intelligence (Lab)	1
CSC-632	Parallel and Distributed Computing	3
CSE-660	CS Elective – 4	3
CSE-662	CS Elective – 5	3
CSGE-604	Professional Practices	3
CC-611	Final Year Project – 1	3

<b>Fourth Semester</b>		<b>C.H.</b>
CC-613	Final Year Project – 2	3
CSE-664	CS Elective – 6	3
CSE-666	CS Elective – 7	3
CSUE-690	University Elective – 4	3

**M.Sc. (COMPUTER SCIENCE): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-68**

**Pre-requisite: -**

The minimum requirements for admission in M.Sc. Computer Science degree Programmes is at least minimum Second Class in

B.Sc. (Pass) Physics or Statistics with Mathematics.

OR

One-year Post Graduate Diploma in Computer science with bachelor degree.

OR

BE (excluding Software/Computer Systems/IT).

<b>First Semester</b>		<b>C.H.</b>
CS-500	Introduction to Information and Communication Technologies	2
CS-501	Introduction to Information and Communication Technologies (Lab)	1
CS-502	Programming Fundamentals	2
CS-503	Programming Fundamentals (Lab)	1
CS-504	Digital Logic Design	3
CS-505	Digital Logic Design (Lab)	1
CS-506	Discrete Structures	3
CS-508	Numerical Computing	3

<b>Second Semester</b>		<b>C.H.</b>
CS-510	Object Oriented Programming	3
CS-511	Object Oriented Programming (Lab)	1
CS-512	Theory of Automata	3
CS-514	Data Structures and Algorithms	3
CS-515	Data Structures and Algorithms (Lab)	1
CS-516	Database Systems	3
CS-517	Database Systems (Lab)	1
CS-518	Software Engineering	3

<b>Third Semester</b>		<b>C.H.</b>
CS-600	Computer Organization and Assembly Language	3
CS-601	Computer Organization and Assembly Language (Lab)	1
CS-602	Artificial Intelligence	3
CS-603	Artificial Intelligence (Lab)	1
CS-604	Web Engineering and Technologies	3
CS-606	Computer Networks	3
CS-607	Computer Networks (Lab)	1
CS-611	Final Year Project – 1	3

<b>Fourth Semester</b>		<b>C.H.</b>
CS-612	Mobile Application Development	3
CS-614	Python for Data Science	3
CS-616	Operating Systems	3
CS-617	Operating Systems (Lab)	1
CS-618	Information Security	3
CS-613	Final Year Project – 2	3

## INSTITUTE OF MICROBIOLOGY

The Institute of Microbiology was established in 1995-96 to develop indigenous manpower experts in the field of Microbiology and to increase the employability in the field of clinical, industrial, environmental and molecular biology. It offers BS four years Programme, MS / M.Phil. Programme and Ph. D. Programme with the aim to have graduates with high knowledge and research abilities and to promote them in private sectors, government organizations in order to develop the manpower with high technology, to organize interdisciplinary discussions, developing research networks and to facilitate the latest technical information pertaining to the emergence of infectious diseases, laboratory bio-safety and the self-preventive measures from the hazardous agents.

Microbiology is an exceptionally broad discipline encompassing a number of specialties. This institute has four laboratories for the BS students and two research laboratories for postgraduate Programmes. All equipment and facilities are available to students and researchers. Having a huge space, it possesses six classrooms, 120 students can be accommodated in each, one air-conditioned computer laboratory, multimedia rooms, a large auditorium, a seminar library and two research laboratories are developed from project that funded by Higher Education Commission, Islamabad in 2018. The learning process at the institute comprises a blend of lectures, practical demonstrations, presentations, assignments, group discussions, research projects, study tours, internships in various pathological laboratories, industries etc. Independent studies in the institutional seminar library and the use of computer lab. The efforts have been made by the Institute of Microbiology for collaborative research with the co-guidance of various professors and scientists of different universities and research institutions for the MS / M.Phil. and Ph.D. Programme in Microbiology to bridge the gap between the other institutes of region throughout Pakistan in the field of clinical, industrial, molecular biology, genetics and biotechnology.

### The principal areas of research are:

- a. Antibacterial activity of zinc oxide (ZNO) nano-particles on clinical isolates of Gram-negative and Gram-positive bacteria.
- b. Screening of the clinical isolates for the production of protease enzymes and their role as virulence factors.
- c. Molecular characterization of antibiotic resistant genes and mechanism of resistance development.
- d. Microbial spoilage of commercially available fruits & Vegetables.
- e. Antibacterial activity of Ginger (*Zingiber officinale* Roscoe) and Garlic (*Allium sativum* L) extracts on *Staphylococcus aureus* and *Salmonella typhi*
- f. Antibacterial effect of hots drinks (Green tea, black tea and coffee) on *staphylococcus aureus* isolated from nasal secretions of healthy individuals.
- g. Characterization of biofilm making Gram-positive and Gram-negative bacteria.
- h. Production of bioethanol, biodiesel and other organic solvents and probiotics.
- i. Biodegradation of oil and other compounds e.g. pesticides.
- j. Molecular identification of the clinical isolates.
- k. Vancomycin resistant MRSA and its molecular characterization.
- l. Isolation of bacterial pathogens from biofluid.
- m. Detection of Colibacillosis in poultry.
- n. Serological investigation of common infections.
- o. Sero prevalence of STD and Hepatitis among different age groups.
- p. Gender wise studies of bacterial pathogens of hearing loss.
- q. Molecular characterization of antibiotic producing bacteria from soil.
- r. Potential alternative natural bio-preservation.
- s. Molecular characterization of common human pathogens towards vaccine development
- t. Antibiotic resistance development and its management.

- u. Molecular microbiology and genome dynamics of pathogens isolated from various clinical specimen.
- v. Molecular epidemiology of HCV infection in different regions of Sindh.
- w. Antimicrobial resistance in bacteria.
- x. Rise factors of H. Pylori infections in different regions of Sindh.
- y. Molecular Biotechnology, Bio-informatics analysis, Genome sequencing, Environmental microbiology with special reference to public health.
- z. Microbial compounds as therapeutic agent and vaccine antigen, Mechanism of antibiotic resistance.
- ai. Prevalence of Hepatitis-B & Hepatitis-C viral infections among the population of Hyderabad Sindh.
- bi. Sero-Prevalence of Human Immuno deficiency virus (HIV) among infecting drug-users in district Sanghar Sindh.
- ci. Bacteriological and Physicochemical analysis of drinking water.
- di. To analysis the antibacterial activity of Cassia fistula and Hina against skin pathogen bacteria.
- ei. Study of Antibacterial activity of different medicinal herbs on bacterial causing urinary tract infections.

**The teaching faculty comprises the following:**

**Tunio, Sarfraz Ali, Professor and Director**  
B.Sc. (Hons.), M.Sc. (SU), Ph.D. (UK)

**Pathan, Agha Asad Noor, Professor**  
B.Sc. (Hons.), M.Sc. (SU), M.Phil. (QAU), Ph.D. (SU)

**Memon, Shaista Bano, Associate Professor**  
B.Sc. (Hons.), M.Sc. (SU), Ph.D. (UK)

**Patoli, Atif Ahmed, Assistant Professor**  
B.Sc. (Hons.), M.Sc. (SU), Ph.D. (UK)

**Patoli, Bushra Bano, Assistant Professor**  
B.Sc. (Hons.), M.Sc. (S.U.), Ph.D. (UK)

**Brohi, Nazir Ahmed, Assistant Professor**  
BS (SU), Ph.D. (SU)

**Shagufta, Jabeen, Assistant Professor**  
B.Sc. (Hons.), M.Sc. (SU), M.Phil. (KU), Ph.D. (Malaysia)

**Mirjat, Abdul Nabi, Assistant Professor**  
B.Sc. (Hons.), M.Sc. (SU), Ph.D. (China)

**Kumari, Nimerta, Assistant Professor**  
B.Sc. (Hons.), M.Sc. (SU), Ph.D. (Germany)

**Khushik, Faryal Ahmed, Assistant Professor**  
B.Sc. (Hons.), M.Sc. (SU), Ph.D. ((China)

**BS (MICROBIOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS)**

**CH-136**

Pre-requisite; H.S.C. with Pre-Medical Group: Pre-Entry Test

**FIRST YEAR**

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
ENGL 300	English-I	3		ENGL 301	English-II	3	
PKST 300	Pakistan Studies	2		ISST/ETHS 301	Islamic Studies/Ethics	2	
MATH 300	Mathematics-I	3		MATH 301	Mathematics-II	3	
MICB310-311	General Microbiology-I	2+1		MICB 312-313	General Microbiology-II	2+1	
PHSL320-321	Fundamentals of Physiology-I	2+1		PHSL 322-323	Human Physiology-II	2+1	
BIOCHEM 320-321	Biochemistry/ Botany/ Zoology	2+1		BIOCHEM 322- 323	Biochemistry/ Botany/ Zoology	2+1	



## SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENGL 400	English-III	3		ENGL 401	English-IV	3	
CIVZ 400	Civilization & Culture	2		ENVS 401	Environmental Sciences	2	
MICB 410-411	General Immunology	3+1		MICB 412-413	Microbial Taxonomy	3+1	
PHSL 420-421	Human Physiology	2+1		PHSL 422-423	Human Physiology	2+1	
BIOCHEM 420-421	Biochemistry/ Botany/ Zoology	2+1		BIOC 422-423	Biochemistry/ Botany/ Zoology	2+1	

## THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
MICB 500-501	Microbial Anatomy & Physiology	3+1		MICB 508-509	General Virology	3+1	
				MICB 510-511	Bio-Statistics	3+1	
MICB 502-503	Bacterial Genetics	3+1		MICB 512-513	Environmental Microbiology	3+1	
MICB 504-505	Mycology	3+1					
MICB 506-507	Soil Microbiology	3+1		MICB 514-515	Microbial Diagnostic Chemistry	3+1	

## FOURTH YEAR

**Specialization:** Candidate are supposed to choose any one of the subjects from the following fields - "A" or "B" during Seventh & Eighth semester.

### A. CLINICAL MICROBIOLOGY

Seventh Semester			C.H.	Eighth Semester			C.H.
MICB 600-601	Epidemiology	3+1		MICB 610-611	Immunobiology	3+1	
MICB 602-603	Medical Bacteriology	3+1		MICB 612-613	Medical Virology	3+1	
MICB 604-605	Dermatology	3+1		MICB 614-615	Antimicrobial Agents	3+1	
MICB 606-607	Clinical Hematology & Parasitology	3+1		MICB 616-617	Clinical Bacteriology	3+1	
MICB 608-609	Molecular Biology & Genetic Engineering	3+1		MICB 618	Mini Research Project & Viva Voce	4	

### B. INDUSTRIAL MICROBIOLOGY

Seventh Semester			C.H.	Eighth Semester			C.H.
MICB 620-621	Food and Dairy Microbiology	3+1		MICB 630-631	Fermentation Biotechnology	3+1	
MICB 622-623	Pharmaceutical Microbiology	3+1		MICB 632-633	Principles & Applications of Biotechnology	3+1	
MICB 624-625	Cell and Molecular Biology	3+1		MICB 634-635	Cell & Tissue Culture Technology	3+1	
MICB 626-627	Microbial Enzyme Technology	3+1		MICB 636-637	Bioinformatics and Protein Structure Function	3+1	
MICB 628-629	Introductory Microbial Technology	3+1		MICB 638	Mini Research Project & Viva Voce	4	

## INSTITUTE OF PHYSICS

Institute of Physics (formerly Department of Physics) is one of the oldest departments (established in 1955) of University of Sindh Jamshoro. It was upgraded and named as Institute of Physics and Technology in 1979. In 1998 Physics and Technology disciplines were separated and given independent status as Department of Physics and Institute of Information Technology. Department of Physics was again upgraded to the present status of **Institute of Physics** in 2005.

Institute of Physics offers BS (four year) and M.Sc. (Two Year) degree Programmes in Physics. In addition, it offers MS/M.Phil. and Ph.D. degree Programmes in the following areas:

Recently, 18-CH course for Ph.D. degree Programme has been introduced as per criteria approved by the HEC, which provides an excellent forum for students to develop and enhance their specialist and other more general theoretical and research skills. The Institute of Physics welcomes post-graduate applications from prospective students in this Programme. Successful applicants after completing 18 CH course can pursue their research as full-time students leading to Ph.D.

### The teaching faculty comprises the following:

Kalhor, Muhammad Siddique, **Meritorious Professor/ Vice-Chancellor**  
M.Sc. (S.U.), Ph.D. (London), 1999

Shaikh, Nek Muhammad, **Professor & Director**  
M.Sc. 1993, Ph.D. 2007 (QAU) Islamabad

Memon, Irfan Ali, **Professor**  
M.Sc. (QAU), 1993, Ph.D. (London) 2008

Mari, Riaz Hussain, **Professor**  
M.Sc. (SU), 1999, Ph.D. (Nottingham, UK) 2011

Nizamani, Altaf Hussain, **Associate Professor**  
M.Sc. (SU), 1996, Ph.D. (Sussex, UK) 2011

Abbasi, Mazhar Ali, **Associate Professor**  
M.Sc. (SU), 2001 Ph.D. (Sweden), 2014

Khaskheli, Murad Ali, **Associate Professor**  
M.Sc. (SU), 1999, Ph.D. (China) 2015

Shah, Syed Gul Sher, **Assistant Professor**  
M.Sc. (S.U.) 1987

Soomro, Muhammad Yousuf, **Assistant Professor**  
M.Sc. (SU), 2003, Ph.D. (Sweden), 2014

Halepoto, Imran Ali, **Assistant Professor**  
BS (SU) 2006, Ph.D. (S.U) 2019

Bhutto, Waseem Ahmed, **Assistant Professor**  
M.Sc. (SU), 2004, Ph.D. (China) 2015

Soomro, Abdul Majid, **Assistant Professor**  
M.Sc. (SU), 2005, Ph. D (China) 2016

Lohat, Ishfaq Ahmed, **Lecturer**  
BS (SALU) 2009, MS (NED Karachi) 2016

Kalhor, Asma, **Lecturer**  
BS (SU) 2013

### BS (PHYSICS): 4 YEARS DEGREE PROGRAMME 8 SEMESTERS CH-136 (MORNING AND EVENING)

Pre-requisite: H.S.C. Pre-Engineering/General Science Group with Maths & Physics, and Pre- Entry Test.

#### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENGL 300	English-I	3		ENGL 301	English-II	3	
PKST 300	Pakistan Studies	2		ISST/ETHS 301	Islamic Studies/Ethics	2	
MATH 300	Mathematics-I	3		MATH 301	Mathematics-II	3	

(Compulsory)			PHYS 312-313	Mechanics-II & Thermodynamics	3+1	PHYS 504	Electrodynamics-I	3	PHYS 511	Statistical Physics Lab	1
PHYS 310-311	Mechanics-I, Waves & Optics	3+1	MATH 322	Applied Mathematics-II	3	PHYS 505	Computer Programming Lab	1	PHYS 512	Electrodynamics-II	3
MATH 320	Applied Mathematics-I)	3	STAT 322+323	Statistics-II	2+1	PHYS 506-507	Electronics	3+1	PHYS 513	Computer Programming Lab	1
(Optional)			CHEM/GEOL 322-323	Chemistry/Geology	2+1				PHYS 514-515	Digital Electronics	3+1
STAT 320-321	Statistics-I (Optional)	2+1									
CHEM/GEOL 320-321	Chemistry/Geology (Optional)	2+1									

## SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENGL 400	English-III	3		ENGL 401	English-IV	3	
CIVZ 400	Civilization	2		ENVS 401	Environmental Science	2	
PHYS 410-411	Electricity & Magnetism-I	3+		PHYS 412-413	Electricity & Magnetism-II	3+1	
	Modern Physics-I				Modern Physics-II		
MATH 420	Applied Mathematics-III	3		MATH 422	Applied Mathematics-IV	3	
STAT 420-421	Statistics-III	2+1		STAT 422-423	Statistics-IV	2+1	
CHEM/GEOL420	Chemistry/ Geology	2		CHEM/GEOL 422	Chemistry/Geology	2	

## THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
PHYS 500	Methods of Mathematical Physics-I	3		PHYS 508	Methods of Mathematical Physics-II	3	
PHYS 501	Modern Physics Lab-I	2		PHYS 509	Modern Physics Lab-II	1	
PHYS 502	Classical Mechanics	3		PHYS 510	Thermal & Statistical Physics	3	
PHYS 503	Spectroscopy Lab	1					

## FOURTH YEAR

Seventh Semester			C.H.	Eighth Semester			C.H.
PHYS 600-601	Solid State Physics-I	3+1	PHYS 608	Solid State Physics-II	3		
PHYS 602-603	Atomic & Molecular Physics	3+1	PHYS 609	Lasers and X-Rays Lab	1		
PHYS 604-605	Computational Physics/ Medical Physics-I	3+1	PHYS 610-611	Nuclear Physics	3+1		
PHYS 606	Quantum Mechanics-I	3	PHYS 612	Quantum Mechanics-II	3		
PHYS 607	Detector Development Lab	1	PHYS 613	Computer Programming Lab	1		
			PHYS 614	Condensed Matter & Materials Physics/Health Physics/ParticlePhysics/ Plasma Physics	3		
			PHYS 614	Medical Physics-II	3		
			PHYS 615	Health Physics Lab / Medical Physics Lab	1		
			PHYS 620	Comprehensive Viva Voce	2		

**Note:1** PHYS: 614\* is compulsory only for PHYS: 604\* and not allowed to opt PHYS: 614, others may opt any one of PHYS: 614.

**M.Sc. (PHYSICS): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66**

**Pre-requisite:** H.S.C. Pre-Engineering, 2-years B.Sc. (Pass) with Physics, Mathematics (PURE) & Chemistry / Statistics as optional subjects.

**PREVIOUS**

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
PHYS 500	Methods of Mathematical Physics-I	3		PHYS 508	Methods of Mathematical Physics-II	3	
PHYS 501	Modern Physics Lab-I	1		PHYS 509	Modern Physics Lab-II	1	
PHYS 502	Classical Mechanics	3		PHYS 510	Thermal & Statistical Physics	3	
PHYS 503	Spectroscopy Lab	1		PHYS 511	Statistical Physics Lab	1	
PHYS 504	Electrodynamics-II	3		PHYS 512	Electrodynamics II	3	
PHYS 505	Computer Programming Lab	1		PHYS 513	Computer Programming Lab	1	
PHYS 506	Electronics	3		PHYS 514	Digital Electronics	3	
PHYS 507	Electronics Lab	1		PHYS 515	Digital Electronics Lab	1	

PHYS 605	Medical Physics-I Computational Physics Lab / Medical Physics Lab	1	PHYS 614	Condensed Matter & Materials Physics / Health Physics/ High Energy Physics / Plasma Physics	3
PHYS 606	Quantum Mechanics-I	3	PHYS 614*	Medical Physics-II	3
PHYS 607	Detector Development Lab	1	PHYS 615	Health Physics Lab / Medical Physics Lab	1
			PHYS 620	Comprehensive Viva Voce	2

**Note:** 1. PHY:614\* is compulsory only for PHY:604\* and not allowed to opt PHY: 614; others may opt any one of PHY: 614.  
2. Courses bearing even and odd numbers are of theory and practical respectively

**FINAL**

<i>Third Semester</i>			<i>C.H.</i>	<i>Fourth Semester</i>			<i>C.H.</i>
PHYS 600	Solid State Physics-I	3		PHYS 608	Solid State Physics-II	3	
PHYS 601	Solid State Physics Lab	1		PHYS 609	Lasers and X-Rays Lab	1	
PHYS 602	Atomic & Molecular Physics	3		PHYS 610	Nuclear Physics	3	
PHYS 603	Atomic & Molecular Physics Lab	1		PHYS 611	Nuclear Physics Lab	1	
PHYS 604	Computational Physics /	3		PHYS 612	Quantum Mechanics II	3	
				PHYS 613	Computer Programming Lab	1	

## INSTITUTE OF PLANT SCIENCES

Botany and Mathematics were the first science subjects in which the postgraduate teaching was started in the University of Sindh in 1954.

Mr. S.W.S. Qadri, the then Professor of Botany at the Government College Hyderabad was commissioned by the University to do the teaching. Only 4 students took admission. By the grace of Allah now more than 400 students are studying at the Institute of Botany which is upgraded as **Institute of Plant Sciences**, since 2008.

The faculty includes 02 Professors, 02 Associate Professors, 09 Assistant Professors, 02 Lecturers and 01 Curator-Cum-Lecturer. The Institute has well equipped Laboratories, Herbarium, and a small Botanical Garden.

The Institute has introduced M.Phil. /Ph.D. programme since 1965. After the Chemistry, Botany is second awarding M.Phil. and Ph.D. degrees in Science Faculty. So far many scholars have obtained their M.Phil. and Ph.D. degrees in Botany. More than 300 research articles have been published in the National and International Journals by the faculty members and they have also produced more than 25 Ph.D. and 50 MS/M.Phil. Scholars in the field of Botany. The Institute is committed to provide advance knowledge about plants to the society and students at large.

The Institute of Plant Sciences offers BS / MS / M.Phil / Ph.D. and 04 year Forestry degree programmes along with following short courses:

(1) Kitchen Gardening (2) Nursery & Nursery Management (3) Compost Preparation (4) Rooftop Gardening (5) Mushroom Cultivation (6) Plants in Interior Decoration (7) Vertical Farming (8) Plant Grafting Techniques (9) Urban Agriculture (10) Botanical illustration for Beginners (11) Applied Plant Taxonomy, Identification and Field Skills (12) Herbarium Techniques

Students are urged to take courses which provide a broad background in Botany as well as in the Natural Science, in addition to the training in special areas.

### The teaching faculty comprises of the following:

**Memon, Rabia Asma, Professor & Director**  
M.Sc. (SALU), Ph.D. (SALU) 2005

**Qureshi, Sadaf Tabasum, Professor**  
M.Sc. (S.U), M.Phil. (Q.A.U), Ph.D. (Q.A.U) 2010

**Abro, Saeed Akhtar, Associate Professor**  
M.Sc. (SALU), M.Phil. (SALU) 2005, Ph.D. (SU) 2017

**Bozdar, Hadi Bux, Associate Professor**  
M.Sc. (QAU), Ph.D. (QAU) 2011, Post-Doc (CAS China) 2017

**Panhwar, Mahjabeen Assistant Professor,**  
M.Sc. (S.U) 1993, Ph.D. (SAU) 2017

**Khanzada, Amina Kabir, Assistant Professor**  
M.Sc. (SALU), Ph.D. (S.U) 2011

**Soomro, Noor ul Ain, Assistant Professor**  
M.Sc. (S.U) 2004, Ph.D. (S.U) 2017

**Shah, Nabila, Assistant Professor**  
M.Sc. (S.U) 2004, Ph.D. (S.U) 2018

**Mangi, Jamaluddin, Assistant Professor**  
M.Sc. (S.U) 2001

**Khanzada, Samina Kabir, Assistant Professor (Adhoc)**  
M.Sc. (SALU), Ph.D. (S.U) 2012

**Ujjan, Aziz Ahmed, Assistant Professor**  
M.Sc. (Q.A.U) 2000, Ph. D. (KU) 2011

**Korejo, Mai Farzana Bibi, Assistant Professor**  
M.Sc. (SU) 1997, M.Phil. (SU) 2009, Ph. D. (KU) 2015

**Bughio, Farooque Ali, Assistant Professor**  
M.Sc. (S.U) 2007, Ph.D. (S.U) 2018

**Jakhar, Ali Murad, Lecturer**  
M.Sc. (SALU) 1999

**Jamali, Abdul Rauf, Lecturer**  
BS (S.U) 2010, MS (SU) 2017

**Lashari, Zubeda, Curator-Cum-Lecturer**  
M.Sc. (S.U) 2007

### BS (BOTANY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite; H.S.C. with Pre-Medical Group: Pre-entry Test

#### FIRST YEAR

<b>First Semester</b>		<b>C.H.</b>
ENGL 300	English-I (Functional English)	3
PKST 300	Pakistan Studies	2
MATH 300	Mathematics	3
BOTN 302-303	Diversity of Plants (Major I)3+1	
ZOOL 320-321	Zoology (Minor I)	2+1
FWBF/PHSL 320-321	Fresh Water Biology & Fisheries (Minor-I Optional)/ Physiology (Minor-I Optional)	2+1

<b>Second Semester</b>		<b>C.H.</b>
ENGL 301	English-II (Communication Skills)	3
ISST/ ETHS 301	IslamicStudies/Ethics	2
ENVS 301	Environmental Science	3
BOTN 304-305	Plant Systematics, Anatomy & Development/Embryology- Major II	3+1
ZOOL 322-323	Zoology (Minor II)	2+1
FWBF/ PHSL 322-323	Fresh Water Biology & Fisheries/ Physiology (Minor-II Optional)	2+1

#### SECOND YEAR

<b>Third Semester</b>		<b>C.H.</b>
ENGL 400	English-III (Technical report writing and presentation skills)	3
CIVIZ 400	Civilization	2
COMP 400	Introduction to computer	3
BOTN 402-403	Cell Biology, Genetics & Evolution-Major III	2+1
ZOOL 420-421	Zoology (Minor III)	2+1
FWBF/ PHSL 420-421	Fresh Water Biology & Fisheries/ Physiology (Minor-III Optional)	2+1

<b>Fourth Semester</b>		<b>C.H.</b>
BOTN 404-405	Plant Physiology and Ecology-Major IV	2+1
BOTN 406-407	Biodiversity and Conservation- Major V	2+1
BOTN 408-409	Biostatistics	2+1

BOTN 410	Research Methodology	2
ZOOL 422-423	Zoology (Minor IV)	2+1
FWBF/ PHSL 422-423	Fresh Water Biology & Fisheries/ Physiology (Minor IV Optional)	2+1

#### THIRD YEAR

<b>Fifth Semester</b>		<b>C.H.</b>	<b>Sixth Semester</b>		<b>C.H.</b>
BOTN 500-501	Bacteriology & Virology	2+1	BOTN 510-511	Plant Anatomy	2+1
BOTN 502-503	Phycology & Bryology	2+1	BOTN 512-513	Genetics I	2+1
BOTN 504-505	Mycology & Plant Pathology	2+1	BOTN 514-515	Plant Biochemistry-I	2+1
BOTN 506-507	Diversity of Vascular Plants	2+1	BOTN 516-517	Plant Ecology-I	2+1
BOTN 508-509	Plant Systematics	2+1	BOTN 518-519	Plant Physiology-I	2+1

#### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>	<b>Eighth Semester</b>		<b>C.H.</b>
BOTN 600-601	Molecular Biology	3+1	BOTN 608-609	Plant Physiology-II	2+1
BOTN 602-603	Plant Biochemistry-II	2+1	BOTN 610-611	Genetics-II	2+1
BOTN 604-605	Plant Ecology-II	2+1	BOTN 612-613	Environmental Biology	3+1
BOTN 606-607	Elective (Special-I)	3+1	BOTN 614-615	Elective (Special-II)	3+1
BOTN 616	Research Project/ Internship	4	BOTN 617	Comprehensive Viva Voce	3

### M.Sc. (BOTANY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-72

Pre-requisite: B.Sc. (Pass) degree with Botany as one of the elective subjects.

<b>First Semester</b>		<b>C.H.</b>
MBOT 500-501	Biostatistics	2+1
MBOT 502-503	Bacteriology & Virology	2+1
MBOT 504-505	Phycology & Bryology	2+1
MBOT 506-507	Mycology & Plant Pathology	2+1



MBOT 508-509	Diversity of Vascular Plants	2+1
MBOT 510-511	Plant Systematics	2+1
ENGL 540	Remedial English	

**BS (FORESTRY): 4 YEARS EVENING DEGREE PROGRAMME (8 SEMESTERS) CH-136**

Pre-requisite: H.S.C. With Pre-Medical Group: Pre-entry Test

<b>Second Semester</b>		<b>C.H.</b>
MBOT 512-513	Plant Anatomy	2+1
MBOT 514-515	Biodiversity & Conservation	2+1
MBOT 516-517	Plant Biochemistry	2+1
MBOT 518-519	Plants Ecology – I	2+1
MBOT 520-521	Plant Physiology	2+1
MBOT 522-523	Research Methodology & Phytotechnology/Kitchen Garden	2+1
ENGL 541	Remedial English	
<b>Third Semester</b>		<b>C.H.</b>
MBOT 600-601	Molecular Biology	2+1
MBOT 602-603	Paleobotany & Palynology	2+1
MBOT 604-605	Plant Ecology - II	2+1
MBOT 606-607	Plant Physiology – I	2+1
MBOT 608-609	Genetics – I	2+1
MBOT 610-611	Environmental Biology	2+1
<b>Fourth Semester</b>		<b>C.H.</b>
MBOT 612-613	Genetics - II	2+1
MBOT 614-615	Special Paper – I*	3+1
MBOT 616-617	Special Paper – II*	3+1
MBOT 618	Research Project	4
MBOT 620	Comprehensive Viva Voce	3

\*Special paper will be taught according to the expertise available in the Institute.

**FIRST YEAR**

<b>First Semester</b>		<b>C.H.</b>	<b>Second Semester</b>		<b>C.H.</b>
ENGL 300	English-I	3	ENGL 301	English-II	3
PKST 300	Pakistan Studies	2	ISST/ ETHS 300	Islamic Studies/ Ethics	2
MATH 300	Basic Mathematics-I (PM)	3	FRST 302	Forest Economic	3
FRST 310-311	Dendrology	3+1	FRST 320-321	Forest Environment & Ecology	3+1
FRST 312-313	Forest Biodiversity & Conservation	2+1	FRST 322-323	Tree Anatomy	2+1
FRST 314-315	Soil Sciences	2+1	FRST 324-325	Plant Biochemistry	2+1

**SECOND YEAR**

<b>Third Semester</b>		<b>C.H.</b>	<b>Fourth Semester</b>		<b>C.H.</b>
ENGL 301	English-III	3	ENGL	Communicative English	3
FRST	Geography & World Forestry System	2	FRST	GIS & Remote Sensing	2
FRST	Forest Statistics	3	FRST	Environmental Science	3
FRST 410-411	Genetics & Tree Breeding	3+1	FRST 420-421	Tree Physiology	3+1
FRST 412-413	Forest Pathology & Entomology	2+1	FRST 422-423	Forest Resources of Pakistan	2+1
FRST 414-415	Rangeland Management	2+1	FRST 424-425	Wild Life Management	2+1

### THIRD YEAR

<b>Fifth Semester</b>	<b>C.H.</b>	<b>Sixth Semester</b>	<b>C.H.</b>
FRST 500-501 Forest Products & Utilization	2+1	FRST 512-513 Tree Breeding & Improvement	2+1
FRST 502-503 Agroforestry	2+1	FRST 514-515 Principles & Practices in Silviculture	2+1
FRST 504-505 Sericulture, Apiculture & Lac Culture	2+1	FRST 516-517 Nursery Management	2+1
FRST 506-507 Forest Medicinal & Aromatic Plants	2+1	FRST 518-519 Saline Forestry	2+1
FRST 508-509 Forest Biotechnology	2+1	FRST 520-521 Tree Seed Technology	2+1
FRST 510-511 Wood Science & Technology	2+1	FRST 522-523 Forest Ethnobotany	2+1

### FOURTH YEAR

<b>Seventh Semester</b>	<b>C.H.</b>
FRST 600-601 Forest Protection	2+1
FRST 602-603 Forest & Rangeland Management	2+1
FRST 604-605 Practices in Silviculture	2+1
FRST 606-607 Fertility of Forest Soils & Nutrients Management	2+1
FRST 608-609 Logging & Ergonomics	2+1
FRST 610-611 Forest Surveying & Roads	2+1
<b>Eighth Semester</b>	<b>C.H.</b>
FRST 612-613 Forest Biometrics	2+1
FRST 614-615 Research Techniques in Forestry	2+1
FRST 616-617 Forest Surveying & Landscaping	2+1
FRST 618-619 Forest Management Policy and Legislation	2+1
FRST 620 Research Project	4
FRST 621 Comprehensive Viva Voce	3

### PGD IN MEDICINAL PLANTS: 1 YEAR DIPLOMA PROGRAMME (2 SEMESTERS) CH-30

Pre-requisite: B.Sc. (with Botany as an elective subject) BS (Botany), B. Pharm, M.B.B.S. and B.Sc. (Forestry) with minimum 45% aggregate marks.

<b>First Semester</b>	<b>C.H.</b>
DMP 101 Elements of Herbology	3
DMP 102 Ethnomedicinal Studies & Medicinal Plants	2
DMP 103 Raw Material Resources & Collection, Primary Healthcare & Herbs	3
DMP 104 Phytotechnology & Pharmacological Screening of Herbal Drugs	3
DMP 105 Practical Courses on Identification of Medical Plants, Phytochemistry, Processing & Value	3
<b>Second Semester</b>	<b>C.H.</b>
DMP 201 Herbal Raw Material Processing & their Products	3
DMP 202 Quality Control & Phytochemical Method Project Work	3
DMP 203 Project Work	3
DMP 204 Practical Course on Herbal Classical Drug Preparation, Quality Control	3

## DEPARTMENT OF ANTHROPOLOGY & ARCHAEOLOGY

Anthropology and Archaeology are the integration of knowledge of the past and present of mankind. Anthropology deals with evaluation of man, societies and cultures, while Archaeology is the study of prehistoric civilizations and societies. While the discipline of Anthropology covers the study of man, Archaeology is concerned with the past life style, culture and civilization of man.

The establishment of this department fulfills a long term desire of scholars and intellectuals to which has now been added the demand of Government and NGOs to produce professionals in order to explore, save, and preserve relics and archeological sites which are being destroyed by humans and natural factors. The University of Sindh has, therefore, established the Department of Anthropology and Archaeology to produce trained professionals in Anthropology and Archaeology.

This department is imparting knowledge of both the disciplines from academic session, 2008, by introducing the 8-semester BS 4-year Programme in Anthropology and Archaeology. During the first four semesters, students will study combined core courses and after that they will study major courses in both Anthropology and Archaeology. In the third year, the students will be required to opt for special courses in either Anthropology or Archaeology. The degrees will be accordingly awarded in the respective subject, i.e., BS Anthropology or BS Archaeology.

### The teaching faculty comprises the following: -

**Shar, Manik Mustafa, Assistant Professor (Archaeology) and Incharge Chairman**  
M.Sc. Archaeology (SALU) 2001, M.Phil. (S.U.) 2016

**Laghari, Muhammad Hanif, Assistant Professor (Archaeology)**  
M.Sc. Archaeology (SALU) 1989, M.Phil. (SALU) 2009, Ph. D (SALU) 2018

**Channa, Abdul Razaque, Assistant Professor (Anthropology)**  
M.Sc. Anthropology (QAU) 2004, M.Phil. (QAU) 2007, Ph. D (ANU) 2016

**Shah, Syed Muhsat Ali, Assistant Professor (Anthropology)**  
M.Sc. Anthropology (QAU) 2005, M.Phil. (S.U.) 2016

**Suneel Kumar, Lecturer (Anthropology)**  
M.Sc. Anthropology (QAU) 2007, M.Phil. (QAU) 2016

**Wassan, Muhammad Rafique, Lecturer (Anthropology)**  
M.Sc. Anthropology (QAU) 2004

**Jatt, Zahida Rehman, Lecturer (Anthropology)**  
BS Anthropology (S.U.) 2011

**Soomro, Umbreen, Lecturer (Anthropology)**  
M.Sc. Anthropology (QAU) 2012

**Syed Ali Taqui Shah, Lecturer (Anthropology)**  
BS Anthropology (S.U.) 2012, M.Phil. (QAU) 2017

### BS (ANTHROPOLOGY & ARCHAEOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-146

Pre-requisite: H.S.C. with Pre-Engineering / Pre-Medical/General Science Group; Pre-entry Test.

### Combined BS I & II Anthropology and Archaeology

#### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENGL300	English	2		ENGL 301	English	2	
PKST 300	Pakistan Studies	2		ISST/ETHS 301	Islamic Studies / Ethics	2	
COMP 300	Computer Skills	2		COMP 301	Computer Skills	2	
ANTH 310	Introduction to Anthropology (Major)	4		ANTH 312	Kinship and Social Organization (Major)	4	
ARCH 320	Introduction to Archaeology (Major)	4		ARCH 322	Introduction to Prehistoric Archaeology (Major)	4	
GEOG 322	Human Geography / Geology (Minor)	3		GEOG 322	Environmental Geography (Minor)	3	

## SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENGL 400	English	2		ENGL 401	English	2	
CIVZ 400	Civilizations	2		STAT 401	Statistical Analysis of Field Data	2	
STAT 400	Statistics	3		PSYL 401	Human Psychology	2	
ANTH 410	Theories in Anthropology (Major)	4		ANTH 412	Economics Anthropology (Major)	4	
ARCH 420	Field Archaeology (Major)	4		ARCH 422	Theories in Archaeology (Major)	4	
SOCL 420	Sociology (Minor)	2		SOCL 422	Sociology of Pakistan (Minor)	2	

## BS ANTHROPOLOGY (OPTION)

### THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
ANTH 500	Political Anthropology	4		ANTH 510	Anthropology of South Asia	4	
ANTH 502	Medical Anthropology	3		ANTH 512	Ethnological Study of Pakistan	4	
ANTH 504	Anthropology of Religion	3		ANTH 514	Urban Anthropology	4	
ANTH 506	Cultural Anthropology	4		ANTH 516	Anthropology of Art and Music	3	
ANTH 508	Linguistic Anthropology	4		ANTH 518	Women and Development	3	

### FOURTH YEAR

Seventh Semester			C.H.	Eighth Semester			C.H.
ANTH 600	Applied Anthropology	3		ANTH 610	Research Design and Review of Relevant Literature	4	
ANTH 602	Social Change & Development	4		ANTH 611	Field Data Collection	6	
ANTH 604	Migration and Globalization	3		ANTH 612	Seminar	2	
ANTH 606	Philosophical Anthropology	3		ANTH 613	Thesis	4	
ANTH 608	Research Methodology	3		ANTH 614	Defense	2	

## BS ARCHAEOLOGY (OPTION)

### THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
ARCH 500	Methods and Techniques in Archaeology	4		ARCH 510	Art and Architecture of Mesopotamia	3	
ARCH 502	World Civilizations-I	4		ARCH 512	World Civilization-II	4	
ARCH 504	Art and Architecture of South Asia	4		ARCH 514	Indus Civilization	4	
ARCH 506	Prehistory of South Asia	3		ARCH 516	Ancient Religions of Pakistan and India	3	
ARCH 508	Museum Study	3		ARCH 518	Research Methodology	4	

### FOURTH YEAR

Seventh Semester			C.H.	Eighth Semester			C.H.
ARCH 600	Indus Civilization Craft & Technology	4		ARCH 610	Internship with report writing and presentation in a Seminar	4	
ARCH 602	Archaeological Thoughts	3		ARCH 611	Field Data Collection	6	
ARCH 604	Muslim Architecture of South Asia	3		ARCH 612	Seminar	2	
ARCH 606	Environmental Archaeology	3		ARCH 613	Thesis	4	
ARCH 608	Cultural Heritage Management	3		ARCH 614	Defense	2	

## DEPARTMENT OF FRESH WATER BIOLOGY & FISHERIES

The Department of Fresh Water Biology & Fisheries was established in 1973 as an independent department at Allama I.I. Kazi Campus, Jamshoro.

The Department conducts BS, M.Sc. programs and MS/ M.Phil. and Ph.D. degree programs by course studies and research. It has produced three M.Phil. and four Ph.D. since its inception and a number of scholars are presently registered for M.Phil. Ph.D. studies. The department has provided well-qualified personals in the market for Government and Private Sectors in fisheries and agriculture etc.

Freshwater biology is scientific biological study of freshwater ecosystems and is a branch of limnology. This field seeks to understand the relationships between living organisms in their physical environment. These physical environments may include rivers, lakes, streams, ponds, lakes, reservoirs, or wetlands.

Fisheries, as the name suggests is an organized effort, which is related to the capturing of fish including inland and sea or other aquatic species. This industry involves catching, processing, marketing and conservation of fish. Fresh Water Biology & Fisheries is an academic discipline of managing and understanding fisheries. This is a multidisciplinary subject that includes the biological study of life, habits and breeding of various species of fish. It also involves farming and husbandry of important fishes and aquatic organisms in fresh water, brackish water and any estuarine environment. Freshwater biology and marine biology or freshwater biology is closely aligned areas with considerable overlap.

### Scope:

Freshwater Biology and fisheries careers scope in Pakistan opportunities jobs salary requirements guidelines for administration, courses and start future with water resources biology. Fisheries are social, biological and geographical objects involved in producing fish for human consumption. They are usually united of factors a common geographical area, catch techniques and targets species, and fisheries are the study of factors affecting catch and stock sustainability. Today, fishing remains the largest extractive use of wildlife in the world. About 94% of all freshwater fisheries occur in developing countries. They provide food and a livelihood for millions of the world's poorest people, and also contribute to the overall economic wellbeing by means of export commodity trade, tourism and recreation. It is estimated that freshwater fishes make up more than 6% of the world's annual animal protein supplies for humans.

Fisheries, as the name recommends is a composed exertion, which is identified with the catching of fish including inland and ocean or other, going species. This industry includes getting, preparing, promoting and protection of fish.

Freshwater Biology & Fisheries is a multidisciplinary subject of applied nature relating to the study of aquatic organisms including fish, their habitat, food and feeding, their genetics, morphological and physiological attributes and their conservation.

Freshwater Biology & Fisheries incorporates the organic investigation of life, propensities and reproducing of different types of fish. It likewise includes cultivation and farming of imperative fishes and amphibian creatures in crisp water, harsh and any water condition.

Fish is an important subsistence food source in an area where grocery stores are filled with highly processed and expensive food that is flown in from the south, and fishing is a culturally and spiritually important connection to a traditional way of life.

### Objectives:

- ❖ To investigate the ecology of freshwater organisms in the context of the physical, chemical, and geological characteristics of the fresh water environment in which they live.
- ❖ Scientists are primarily interested in their physiology, behavior, feeding biology, biochemistry, or reproduction.
- ❖ Grow fish and shellfish as cash crops or for release into freshwater or saltwater.
- ❖ Supervise and train aquaculture and fish hatchery support workers.
- ❖ Conduct and supervise stock examinations in order to identify diseases or parasites.
- ❖ Devise and participate in activities to improve fish hatching and growth rates, and to prevent disease in hatcheries.
- ❖ Monitor environments to ensure maintenance of optimum conditions for aquatic life.
- ❖ Direct and monitor trapping and spawning of fish, eggs incubation, and fry rearing.
- ❖ Coordinate the selection and maintenance of brood stock.

- ❖ Direct and monitor the transfer of mature fish to lakes, ponds, streams, or commercial tanks.
- ❖ To train progressive fish farmers to promote fish farming, especially in the areas of saline soils to enhance food security and uplifting the socioeconomic conditions of small farmers.

**The teaching faculty comprises the following: -**

**Baloch, Wazir Ali, Professor & (Dean Faculty of Natural Sciences)**

M.Sc. (S.U.) 1987, MS (Japan) 1995, Ph.D. (Kagoshima, Japan) 1998

**Narejo, Naeem Tariq, Professor**

M.Sc. (S.U.) 1987, M.Phil. (S.U.) 1997, Ph.D. (Dhaka, Bangladesh) 2003

**Mahar, Mukhtiar Ahmed, Professor**

M.Sc. (S.U.) 1995, Ph.D. (S.U.) 2004

**Lashari, Khalid Hussain, Professor & Chairman**

M.Sc. (S.U.) 1995, M.Phil. (S.U.) 2002, Ph.D. (S.U.) 2009, Postdoc (Maryland, USA) 2012

**Soomro, Anila Naz, Professor**

M.Sc. (S.U.) 1998, MS (Japan) 2007, Ph.D. (Kagoshima, Japan) 2010

**Laghari, Muhammad Younis, Associate Professor**

B.Sc. Hons. (S.U.) 2000, M.Sc. Final (S.U.) 2001, M.Phil. (S.U.) 2008, Ph.D. (Beijing, China) 2014, Postdoc (Wuhan, China) 2017

**Lashari, Punhal Khan, Associate Professor**

B.Sc. Hons. (S.U.) 1998, M.Sc. Final (S.U.) 1999, M.Phil. (S.U.) 2008, Ph.D. (Beijing, China) 2014, Postdoc (Zhejiang, China) 2019

**Baradi, Waryani, Associate Professor**

B.Sc. Hons. (S.U.) 1998, M.Sc. Final (S.U.) 1999, M.Phil. (K.U.) 2008, Ph.D. (Beijing, China) 2014, Postdoc (Beijing, China) 2017

**Kalhor, Hameeda, Assistant Professor**

M.Sc. (S.U.) 2010, Ph.D. (China) 2018

**BS (FRESH WATER BIOLOGY & FISHERIES): 4 YEARS PROGRAMME (8 SEMESTERS) CH-136**

Pre-requisite; H.S.C. with Pre-Medical Group: Pre-Entry Test

**FIRST YEAR**

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
ENGL 300	English I	3		ENGL 301	English- II	3	
PKST 300	Pakistan Studies	2		ISST/ETHS 301	Islamic Studies/Ethics	2	
MATH 300	Mathematics- I	3		MATH 301	Mathematics- II	3	
FWBF 310-311	Introduction FW Biology	3+1		FWBF 312-313	Ichthyology	3+1	
ZOOL 320-321	Zoology – I	2+1		ZOOL 322-323	Zoology- II	2+1	
PHSL 320-321	Physiology /Biochemistry	2+1		PHSL 322-323	Physiology /Biochemistry	2+1	

**SECOND YEAR**

<i>Third Semester</i>			<i>C.H.</i>	<i>Fourth Semester</i>			<i>C.H.</i>
ENGL 400	English- III	3		ENGL 401	English- IV	3	
CIVZ 400	Civilization (Non Credit)			ENVS 400	Environmental Science (NC)		
FWBF 410-411	Aquatic Microbiology	3+1		FWBF 414-415	Developmental Biology	3+1	
FWBF 412-413	Development Biology	3+1		FWBF 416-417	Introductory Fish Culture	3+1	
FWBF 420-421	Zoology III	2+1		ZOOL 422-423	Zoology IV	2+1	
PHSL 420-421	Physiology /Biochemistry	2+1		PHSL 422-423	Physiology /Biochemistry	2+1	

**THIRD YEAR**

<i>Fifth Semester</i>			<i>C.H.</i>	<i>Sixth Semester</i>			<i>C.H.</i>
FWBF 500-501	Limnology	3+1		FWBF 508-509	Phycology	3+1	
FWBF 502-503	Cell & Molecular Biology	3+1		FWBF 510-511	Fish Genetics	3+1	



FWBF 504-505	Fish & Fisheries Biology	3+1	FWBF 512-513	Freshwater Invertebrates	3+1
FWBF 506-507	Fishery Technology	3+1	FWBF 514-515	Aquatic Macrophytes & Management	3+1

- ii. Ecotoxicology
- iii. Fisheries Science
- iv. Aquaculture
- v. Lake Management

*\*Odd numbered courses are Lab courses/Practicals*

#### FOURTH YEAR

Seventh Semester			C.H.	Eighth Semester			C.H.
FWBF 600-601	Fish Breeding & Conser	3+1		FWBF 608-609	Fish Nutrition	3+1	
FWBF 602-603	Water Pollution	3+1		FWBF 610-611	Fish Hygiene & Disease	3+1	
FWBF 604-605	Elective 1-3*	2+1		FWBF 612-613	Zooplankton	3+1	
FWBF 606-607	Elective 1-3**	2+1		FWBF 614-615	Elective 1-5***	3+1	
				FWBF 616	Comprehensive Viva	4	

#### M.Sc. (FRESH WATER BIOLOGY AND FISHERIES): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: B.Sc. (Pass) with Fresh Water Botany-Zoology, Botany-Zoology, Fresh Water Biology-Botany and Fresh Water Biology-Chemistry as elective subjects.

A. M.Sc. (Previous) requirements:

FWBF 500 to FWBF 515 as per 5th & 6th Semester of BS Programme

**AND**

FWBF 600 to FWBF 618 as per 7th & 8th Semester of BS Programme

Optional for other major subjects

**Elective courses:** -Any one to be offered CH-(3+1)

FWBF 604-605 Elective 1-3\*

- i. Integrated Fish Farming
- ii. Aquatic Toxicology
- iii. Inland Fisheries Management

FWBF 606-607 Elective 1-3\*\*

- i. Fish Behaviour
- ii. Fish Post Harvest Technology
- iii. Endocrinology

FWBF 614-615 Elective 1-3\*\*\*

- i. Water Quality Management

## DEPARTMENT OF GEOGRAPHY

The Department of Geography was established on Elsa Kazi Campus Hyderabad in 1955 with Prof. M.M. Memon as its first Chairman and was shifted to its own building at the Allama I. I. Kazi Campus, Jamshoro in 1970.

The Department offers BS, M.Sc. and MS/MPhil. degree Programmes. Some of the special courses offered in the Department are: Settlement Geography, Regional Planning, Bio-Geography, Desert Morphology, Environmental Geography and Geographical Information System (GIS). Recently a new practical Soil and Water Analysis has been introduced.

It has full-fledged Cartographic Section. Its seminar library contains more than 3500 books.

### The teaching faculty comprises the following:

Junejo, Shafique Ahmed, Professor and Chairman

M.Sc. (S. U.) 1996, M.Phil. (Peshawar) 2008, Ph.D. (China) 2015, Post-doc (Malaysia) 2020

Leghari, Muhib Ali, Assistant Professor

M.Sc. (S.U.) 1997

Khan, Shaista Naz, Assistant Professor

M.Sc. (S.U.) 1998

Meghwar, Sujomal, Assistant Professor

M.Sc. (S.U.) 1998, Ph.D. (SU) 2021

Rahoojo, Saadullah, Lecturer

M.Sc. (S.U.) 2000

### BS (GEOGRAPHY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-140

Pre-requisite: H.S.C. with Pre-Engineering / Pre-Medical/General Science Group; Pre-entry Test.

#### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENGL 300	English	3		ENGL 301	English	3	
PKST 300	Pakistan Studies	2		ISST/ETHS 301	Islamic Studies/Ethics	2	
MATH 300	Mathematics I	3		MATH 301	Mathematics II	3	
GEOG 310-311	Fundamentals of Geography-I	3+1		GEOG 312-313	Physical Geography	3+1	
GEOG 320-321	Geology	2+1			Minor-I (Optional)	3	
	Minor-I (Optional)	3			Minor-II (Optional)	3	
	Minor-II (Optional)	3					

#### SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENGL 400	English III	3		ENGL 402	English IV	3	
CIVZ 400	Civilization	2		ENVS 402	Environmental Science	2	
GEOG 410	Human Geography	3		GEOG 412	Geography of Pakistan	3	
GEOG 411	Map Work (Lab)	1		GEOG 413	Land Surveying (Lab.)	1	
	Minor-I (Optional)	3			Minor-I (Optional)	3	
	Minor-II (Optional)	3			Minor-II (Optional)	3	

### THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
GEOG 500 History and Development of Geographic Thought	3	GEOG 510 Quatitative Geography	3
GEOG 502 Principles of Cartography	3	GEOG 511 Adv. Quantitative Techniques (Lab)	1
GEOG 503 Cartographic Techniques	1	GEOG 512 Environmental Geography	3
GEOG 504 Geomorphology	3	GEOG 513 Soil & Water Analysis	1
GEOG 505 Identification of Rocks & Minerals (Lab)	1	GEOG 514 Economic Geography	3
GEOG 506 Climatology	3	GEOG 515 Advanced Cartographic Techniques	1
GEOG 507 Interpretation of Weather Maps (Lab)	1	GEOG 516 Research Methods	3
GEOG 508 Oceanography	3	GEOG 518 Regional Concepts	3

### FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
GEOG 600 Geographical Information Sciences	3	GEOG 620 Field Study	6
GEOG 601 Lab.	1	GEOG 622 Population Geography	3
GEOG 602 Remote Sensing	3	GEOG 624 Hydro Geography	3
GEOG 603 Lab.	1	GEOG 626 Agricultural Geography	3
GEOG 604 Desert Morphology	3	GEOG 630 Zoo Geography	3
GEOG 608 Plant Geography	3	GEOG 640 Comprehensive Viva Voce	2
GEOG 614 Digital Cartography	3		
GEOG 615 Lab.	1		

### M.Sc. (GEOGRAPHY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-74

Pre-requisite: Bachelor (Pass) degree in Science.

#### M.Sc. (Previous)

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
GEOG 500 History and Development of Geographic Thought	3	GEOG 510 Quatitative Geography	3
GEOG 502 Principles of Cartography	3	GEOG 511 Adv. Quantitative Techniques (Lab)	1
GEOG 503 Cartographic Techniques	1	GEOG 512 Environmental Geography	3
GEOG 504 Geomorphology	3	GEOG 513 Soil & Water Analysis	1
GEOG 505 Identification of Rocks & Minerals (Lab)	1	GEOG 514 Economic Geography	3
GEOG 506 Climatology	3	GEOG 515 Advanced Cartographic Techniques	1
GEOG 507 Interpretation of Weather Maps (Lab)	1	GEOG 516 Research Methods	3
GEOG 508 Oceanography	3	GEOG 518 Regional Concepts	3

#### M.Sc. (Previous)

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
GEOG 600 Geographical Information Sciences	3	GEOG 620 Field Study	6
GEOG 601 Lab	1	GEOG 622 Population Geography	3
GEOG 602 Remote Sensing	3	GEOG 624 Hydro Geography	3
GEOG 603 Lab	1	GEOG 626 Agricultural Geography	3
GEOG 604 Desert Morphology	3	GEOG 630 Zoo Geography	3
GEOG 608 Plant Geography	3	GEOG 640 Comprehensive Viva Voce	2
GEOG 614 Digital Cartography	3		
GEOG 615 Lab.	1		

## DEPARTMENT OF PHYSIOLOGY

Department of Physiology was established by University of Sindh in 1974. Professor Dr. Abdul Qadir Ansari was the founder chairman of the department. This department has very significant role in the advancement of applied biological and health sciences. Department of Physiology University of Sindh Jamshoro is the second department outside medical colleges/universities in Pakistan. This is serving the nation by teaching and research Programmes at basic, experimental and applied physiology, at undergraduate and graduate levels. Healthy atmosphere, committed working, highly qualified teaching faculty, well equipped computer added experimental/research laboratories and seminar library with digital library system are main features of the Physiology department. This department is playing an active role in the advancement of physiological sciences, with a variety of vigorous research Programmes supporting undergraduate physiology education and graduate studies in the relevant fields. Since years the Alumni of Physiology department having degree of B.Sc. (Hons.), B.Sc. (Pass), M.Sc., BS (4-years), M.Phil. and Ph.D. are in the stream line services inside country and abroad.

Presently we offer **BS-Physiology, BS-Medical Laboratory Technology (Morning & Evening Shifts)**, and M.Sc., at undergraduate level and **MS/M.Phil and Ph.D. Programmes** at graduate level with special interests in the fields of Endocrinology, Reproductive Physiology, Histo and Patho-Physiology, Neuro-Physiology, Hematology, Pharmacology, Toxicology, Molecular Biology and Epidemiology.

### Mission

The department mission is to continue the pursuit of excellence in the emerging, creative and scientifically responsible leadership through learning input and develop research environment of international standards.

### Vision

Department desires to be one of the top physiology institutes in the country and to be recognized nationally and globally as "The institute of excellence in teaching, research, parents and services to human health".

### Achievements

Department has HEC funded projects and its faculty has published several national and international papers in reputable journals.

### Graduation Requirements

To receive the degree of BS in Physiology and BS Medical Laboratory Technology, a student must fulfill all requirements of the degree Programmes, complete all the assigned courses of 136 credits (including internship), with an overall grade point average (GPA) of 2.5/4.0.

## BACHELOR OF SCIENCE IN PUBLIC HEALTH (BSPH)

### Vision Statement

The BS Programme envisions excellence in public health teaching, training and capacity building through providing broad perspectives of health and health-care and innovation, critical-thinking and lifelong learning skills into health-care settings. It will strive to acquire methods to propagate knowledge that will be useful for the furthering of Public Health Education into Masters' and Doctoral programmes.

### Mission Statement

The mission of the Bachelor of Science in Public Health (BSPH) is to preserve, promote, and improve the health and well-being of populations, communities, and individuals.

### Goal of the BSPH Programme

The BSPH programme aims to improve the health status of the population, which is to be achieved by providing professionals with a high quality of undergraduate training programme in public health sciences.

### Objectives of the Programme

- Produce competent, committed and skilled public health professionals.
- Provide foundation for choosing a relevant Track in Public Health in future.
- Prepare skilled workforce in public health auxiliary and support services
- Prepare leadership in public health.
- Develop, administer and evaluate health policies and programmes.
- Participate directly in efforts to improve the health of the community using community-based and health systems' assessment of preventive services.
- Conduct basic and applied research relevant to the description, risk factors and interventions for the resolution of health problems in the human populations.

**The graduates of the BSPH programme will be prepared to;**

Solve health-related problems within the financial, socio-cultural, environmental, ethical and political framework of Pakistan and its surrounding region.

Design, conduct, analyze and interpret the results of relevant studies, projects and programmes.

Plan, manage, and evaluate interventions in the field of public health.

Communicate public health messages to diverse audience effectively using diverse tools of communication.

Advocate simple public health interventions and practices with equity.

**Core Competencies:**

At the end of the program, the graduate is expected to:

Detect, prevent and manage common public health problems in Pakistan

Acquire basic computer skills

Supervise, monitor and manage public health issues

Be effective communicator

Practice and promote professional ethics

Conduct basic research and prepare reports

Analyze health system problems

Develop critical thinking and creativity

Create cultural context in which public health professionals work

Involve community dynamics and networking

Prepare for health advocacy, teamwork and leadership and professionalism

**The teaching faculty comprises the following:**

Laghari, Zulfiqar Ali, Professor and Chairman

M.Sc. Physiology (S.U.) 1997, Ph. D (Nottingham, UK) 2011

Warsi, Jamshed, Associate Professor

M.Sc. Physiology (S.U.) 2000, Ph.D. (Tubingen, Germany) 2015

Talpur, Aabroo, Assistant Professor (On Lien)

M.Sc. Physiology (S.U.) 1995

Mughal, Zaib-un-Nisa, Assistant Professor

M.Sc. Physiology (S.U.) 2004, M.Phil. (QAU, Islamabad) 2011, Ph.D. (QAU, Islamabad) 2021

Zai, Jawed Ahmed, Assistant Professor

M.Sc. Physiology (S.U.) 1999, M.Phil. (QAU, Islamabad) 2011, Ph.D. (QAU, Islamabad) 2020

Khand, Aftab Ahmed, Assistant Professor

M.Sc. Physiology (S.U.) 1999, Ph.D. (Tsinghua University, Beijing, China) 2021

Samo, Ayaz Ali, Assistant Professor (TTS)

BS Physiology (S.U.) 2007, MS (CW) 2012, Ph.D. (Beijing Normal University, China) 2018

Baloch, Farzana Gul, Lecturer

BS Physiology (S.U.) 2007, M.Phil. (Physiology) 2020

Khoso, Ghulam Murtaza, Lecturer

M.Sc. Physiology (S.U.) 2013

**BS (PHYSIOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136**

Pre-requisite: H.S.C. with Pre-Medical Group, Pre-Entry Test

**FIRST YEAR**

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
ENG 300	English I	3		ENG 301	English- II	3	
PKST 300	Pakistan Studies	2		ISST/ETHS 301	Islamic Studies / Ethics	2	
STAT/MATH 300	Biostatistics-I/	3		STAT/MATH 301	Biostatistics-II /	3	
	Mathematics- I				Mathematics- II		
PHSL 310-311	Cell Biology I	2+1		PHSL 314-315	Cell Biology-II	2+1	

PHSL 312-313	Functional Anatomy & Physiology-I	2+1	PHSL 316-317	Functional Anatomy & Physiology- II	2+1
BIOC 320-321	Biochemistry-I	2+1	BIOC 322-323	Biochemistry-II	2+1
ZOO/FWB/BIOT/	Functional Anatomy	2+1	ZOOL/FWB/ BIOT	Functional Anatomy	2+1
IPS 320-321	& Physiology-I		IPS 322-323	& Physiology II	

## SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENG 400	English- III	3		ENG 401	English- IV	3	
CVZ 400	Civilization	2		ENVS 401	Environmental Science	2	
PHSL 410-411	Physiology of blood & body fluids	2+1		PHSL 414	Introduction to Bioinformatics	2	
PHSL 412-413	Plant Physiology	2+1		PHSL 416-417	Neuro-muscular Physiology	2+1	
BIOC 420-421	Biochemistry-III	2+1		PHSL 418-419	Principles of Immunology	2+1	
ZOOL/FWB/	Cell Biology	2+1			BIOC 422-423	Biochemistry-IV	2+1
BIOT/IPS 420-421					ZOO/FWB/BIOT	General Physiology	2+1
					IPS 422-423		

## THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
PHSL 500-501	Molecular Biology	2+1		PHSL 510-511	Endocrinology	2+1	
PHSL 502-503	Cardiovascular System	2+1		PHSL 512-513	Reproductive & Developmental Physiology	2+1	
PHSL 504-505	Pulmonary Physiology	2+1		PHSL 514-515	Physiology of Special Senses	2+1	
PHSL 506-507	Renal Physiology	2+1		PHSL 516-517	Comparative Animal Physiology	2+1	
PHSL 508-509	Gastroenteropancreatic Physiology	2+1		PHSL 518-519	Toxicology	2+1	

## FOURTH YEAR

Seventh Semester			C.H.	Eighth Semester			C.H.
PHSL 600-601	Pharmacology	2+1		PHSL 610-611	Patho-Physiology	2+1	
PHSL 602-603	Environmental Physiology	2+1		PHSL 612-613	Behavioral Physiology	2+1	
PHSL 604-605	Physiology of Health, Fitness and Exercise	2+1		PHSL 614-615	Hematology	2+1	
PHSL 606-607	Physiological Biotechnology	2+1		PHSL 616	Internship/Project	4	
PHSL 608	Research Methodology	3		PHSL 618	Comprehensive Viva-Voce	2	

## BS (MEDICAL LABORATORY TECHNOLOGY) (MLT): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. with Pre-Medical Group, Pre-Entry Test

## FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENG 300	English-I	3		ENG 300	English-II	3	
PKST 300	Pakistan Studies	2		ISST 300	Islamic Studies	2	
MLT 301	Biostatistics	3		MLT 310-311	Cell Biology-II	2+1	
MLT 302-303	Cell Biology-I	2+1		MLT 312-313	General Microbiology	2+1	
MLT 304-305	Functional Anatomy & Physiology-I	2+1		MLT 314-315	Functional Anatomy & Physiology-II	2+1	
MLT 306-307	Laboratory Techniques-I	2+1		MLT 316-317	Laboratory Techniques-II	2+1	
MLT 308-309	Bio-Chemistry-I	2+1		MLT 318-319	Bio-Chemistry-II	2+1	

## SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENG 400	English-III	3		ENG 400	English-IV	3	
MLT 400-401	Applied Microbiology	2+1		MLT 410	Principles of Toxicology	3	
MLT 402-403	General Pathology	2+1		MLT 412-413	Clinical Pathology	2+1	
MLT 404-405	Hematology-I	2+1		MLT 414-415	Hematology-II	2+1	
MLT 406	Physiology of Body Fluids	3		MLT 416-417	Immunology	2+1	
MLT 408-409	Molecular Biology	2+1		MLT 418-419	Computer Application in Laboratory	2+1	



### THIRD YEAR

<b>Fifth Semester</b>	<b>C.H.</b>	<b>Sixth Semester</b>	<b>C.H.</b>
MLT 500-501 Serology and Blood Banking	2+1	MLT 510-511 Endocrine and Hormone Assay-II	2+1
MLT 502-503 Endocrine and Hormone Assay-I	2+1	MLT 512 Bio-analytical Techniques	3
MLT 504-505 Histo-Pathological Techniques-I	2+1	MLT 514-515 Chemical Pathology	2+1
MLT 506-507 Community Medicine & epidemiology	2+1	MLT 516-517 Laboratory Management	2+1
MLT 508-509 Clinical Chemistry-I	2+1	MLT 518 Molecular Diagnosis	3

### FOURTH YEAR

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eighth Semester</b>	<b>C.H.</b>
MLT 602 Behavioral Sciences	3	MLT 610 Laboratory Internship /	12
MLT 604 Research Methodology	3	House Job	
MLT 606 Research Project	9		
MLT 608 Comprehensive Viva-Voce	3		

PHSL 502-503 Cardiovascular System	2+1	PHSL 512-513 Reproductive & Developmental Physiology	2+1
PHSL 504-505 Pulmonary Physiology	2+1		
PHSL 506-507 Renal Physiology	2+1	PHSL 514-515 Physiology of Special Senses	2+1
PHSL 508-509 Gastroenteropancreatic Physiology	2+1	PHSL 516-517 Comparative Animal Physiology	2+1
		PHSL 518-519 Toxicology	2+1

### FINAL

<b>Third Semester</b>	<b>C.H.</b>	<b>Fourth Semester</b>	<b>C.H.</b>
PHSL 600-601 Pharmacology	2+1	PHSL 610-611 Patho – Physiology	2+1
PHSL 602-603 Environmental Physiology	2+1	PHSL 612-613 Behavioral Physiology	2+1
PHSL 604-605 Physiology of Health, Fitness & Exercise	2+1	PHSL 614-615 Haematology	2+1
PHSL 606-607 Physiological Biotechnology	2+1	PHSL 616 Internship / Project	4
PHSL 608 Research Methodology	3	PHSL 618 Comprehensive Viva voce	2

NC\* = Non Credit

### M.Sc. (PHYSIOLOGY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-60

**Pre-requisite:** - B.Sc. (Pass) with Botany/ Zoology/ Microbiology/Biochemistry/Fresh water Biology/Chemistry **OR** after passing Second year BS with Physiology as a subject.

### PREVIOUS

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
PHSL-N.C* Functional Anatomy & Physiology-I	N.C*	PHSL-N.C* Functional Anatomy & Physiology-II	N.C*
PHSL 500-501 Molecular Biology	2+1	PHSL 510-511 Endocrinology	2+1

**BS (PUBLIC HEALTH) (BSPH): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS)**

**CH-136**

Pre-requisite: H.S.C (Pre-Medical group with 45%) or Equivalent, Pre-Entry Test

**FIRST YEAR**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
English-I	3	English-II	3
Pakistan Studies	2	Ethics/Islamic Studies	2
Mathematics	3	Biostatistics-I	3
Life Sciences Biology	3	Principles of Psychology	3
Introduction to Public Health	3	Physiology of Health & Hygiene	3
Computer Applications in Public Health	3	Medical Anthropology	3

**SECOND YEAR**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
English-III	3	English-IV (any other subject may be offered)	3
Public Health Informatics	3	Bioethics & Biosafety	3
Population Dynamics	3	Basic Epidemiology	3
Primary Health Care	3	Health Promotion, Advocacy & Social Mobilization	3
Biostatistics-II	3	Sociology of Health & Disease	3
Concept of Health and Disease	3		

**THIRD YEAR**

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
Community Nutrition & Health	3	Reproductive Health	3
Community Pediatrics	3	Environment & Occupational Health	3
Climate Change & Health	3	Public Health Policy and Management	3
Epidemiology of	3		

Communicable Diseases		Health Planning	3
Epidemiology of	3	District Health Management	3
Non-Communicable Diseases		Health Education	3
Fundamentals Principles of Infectious Diseases	3		

**FOURTH YEAR**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
Mental Health	3	Parasitology	3
Health Marketing	3	Microbiology	3
Research Methodology	3	Parasitology	3
Elective 1	3	Elective 3	3
Elective 2	3	Elective 4	3
Research Project	3	Internship	3

**Note:**

Field Visits and Seminars by students will be non-credit, but compulsory subjects spread over each Semester

## DEPARTMENT OF STATISTICS

The Department of Statistics started functioning in 1964 and within three years, it became a full-fledged department. In 1972, it was merged with the Department of Mathematics. In July 1978 it was separated again. Since then, it has been working as an independent department, offering 4-year BS. (Stat), M.Sc. and Diploma Programmes. The M.Phil./ Ph.D. Programmes have been introduced from 2002 session. The department has well equipped Computer Laboratories and senior qualified and trained faculty. The importance of Statistics is growing day by day in every field of life and there is increasing demand for trained and qualified personnel.

There are numerous public and private organizations in Pakistan where qualified manpower in statistics is needed. The job opportunities are available at Government level in the Statistics Division and its four departments, i.e., Federal Bureau of Statistics, Population Census Organization, Agricultural Census Organization, Pakistan Institute of Training and Research, Bureau of Statistics and other organizations at provincial level. A number of Research Papers on different Statistical topics have been published by the faculty in National and International Journals. In addition, there are number of scholars has been completed and enrolled for MS/M.Phil & Ph.D. Programmes in Statistics each year.

Moreover M.Sc. in Actuarial Sciences is also started in 2016.

Actuarial Science is the discipline that applies Mathematical and Statistical methods to assess risks in insurance and finance industries. Actuaries are experts in analyzing financial impacts of tomorrow's uncertain events. Actuaries add value by enabling businesses and individuals to make informed decisions with a clear view of the likely range of financial outcomes from different future events.

### The teaching faculty comprises the following: -

Talpur, Ghulam Hyder, Professor and **Chairman**  
M.Sc. (S.U.) 1986, Ph.D. (Shanghai Sc. & Tech. Univ.) 1994

Soomro, Imdad Hussain, Assistant Professor  
M.Sc. (S.U.) 1987

Junejo, Ishtiaque Ahmed, Assistant Professor  
M.Sc. (S.U.) 1989

Chandio, Javed Iqbal, Assistant Professor  
M.Sc. (S.U.) 1989

Rind, Umed Ali, Assistant Professor  
M.Sc. (S.U.) 1990

Gill, Nazia Parveen, Assistant Professor  
M.Sc. (S.U.) 2001, Ph.D. (University of Groningen, Netherland) 2016

Daudpota, Mohammad Rafique, Assistant Professor  
M.Sc. (S.U.) 1998, Ph.D. (S.U.) 2019

Sabayo, Abdul Sattar, Lecturer/Programmer  
BCS (CS) (S.U.) 2004 and B.Sc. (Pass) in Statistics 1998

### BS (STATISTICS): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-140

Pre-requisite: - H.S.C. with Pre-Engineering/ General Science Group with Maths & Physics, Pre- Entry Test.

#### FIRST YEAR

First Semester		C.H.
ENGL 300	English-I	3
PKST 300	Pakistan Studies	2
MATH 300	Mathematics-I Calculus (P.E)	3
STAT 310	Introductory Statistics-I (Major-I) Theory	3
STAT 311	Introductory Statistics-I (Major-I) Lab.	1
ECON 320	Basic Economics-I (General Course)	3
PHY 320	Introduction to Physics-I (Th.) (General Course)	2
PHY 321	Introduction to Physics-I (Lab.) (General Course)	1

Second Semester		C.H.
ENGL 301	English- II	3
ISST/ETHS 301	Islamic Studies/Ethics	2
MATH 301	Mathematics- II Calculus (P.E)	3
STAT 312	Introduction to Probability Distribution (Theory)	3
STAT 313	Introduction to Probability Distribution (Lab.)	1
ECON 322	Basic Economics- II (General Course)	3
PHY 322	Introduction to Physics-II (Th.) (General Course)	2
PHY 323	Introduction to Physics-II (Lab.) (General Course)	1

## SECOND YEAR

<b>Third Semester</b>		<b>C.H.</b>
ENGL 400	English- III	3
CIVZ 400	Civilization (General Course)	3
STAT 410	Basic Statistics Inference (Th.)	3
STAT 411	Basic Statistics Inference (Lab.)	1
PUAD 420	Public Administration (General Course)	3
COMP 420	Introduction to Computer and its Applications (Th.)	2
COMP 421	Introduction to Computer and its Applications (Lab.)	1

<b>Fourth Semester</b>		<b>C.H.</b>
ENGL 401	English- IV	3
ENVS 401	Environmental Science (General Course)	3
STAT 412	Exploratory Data Analysis and Visualization (Th.)	3
STAT 413	Exploratory Data Analysis and Visualization (Lab.)	1
MATH 422	Linear Algebra	3
STAT 422	Introduction to Regression and Analysis of Variance (Th.)	2
STAT 423	Introduction to Regression and Analysis of Variance (Lab.)	1

## THIRD YEAR

<b>5<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 500	Sampling Techniques-I (Th.)	3
STAT 501	Sampling Techniques-I (Lab.)	1
STAT 502	Probability Distribution-I (Th.)	3
STAT 504	Statistical Packages	3
STAT 506	Design and Analysis of Experiment-I (Th.)	3
STAT 507	Design and Analysis of Experiment-I (Lab.)	1
STAT 508	Regression Analysis (Th.)	3
STAT 509	Regression Analysis (Lab.)	1

<b>6<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 510	Probability Distribution-II (Th.)	3
STAT 512	Sampling Techniques-II (Th.)	3
STAT 513	Sampling Techniques-II (Lab.)	1
STAT 514	Design and Analysis of Experiment-II (Th.)	3
STAT 515	Design and Analysis of Experiment-II (Lab.)	1
STAT 516	Official Statistics	3
STAT 518	Econometrics (Th.)	3
STAT 519	Econometrics (Lab.)	1

## FOURTH YEAR

<b>7<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 600	Statistical Inference-I (Th.)	3
STAT 601	Statistical Inference-I (Lab.)	1
STAT 602	Applied Multivariate Analysis (Th.)	3
STAT 603	Applied Multivariate Analysis (Lab.)	1
STAT 604	Time Series Analysis (Th.)	3
STAT 606	Stochastic Process (Th.) (Elective Course)	3
STAT 608	Bio-Statistics (Th.) (Elective Course)	3
STAT 609	Bio-Statistics (Lab.) (Elective Course)	1

<b>8<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 610	Statistical inference- II (Th.)	3
STAT 611	Statistical inference- II (Lab.)	1
STAT 612	Population Studies (Th.)	3
STAT 613	Population Studies (Lab.)	1
STAT 614	Operation Research (Th.) (Elective Course)	3
STAT 616	Decision Theory (Th.) (Elective Course)	3
STAT 617	Decision Theory (Lab.) (Elective Course)	1
STAT 618	Research Project/Internship (Report Writing)	2
STAT 619	Research Project/Internship (Seminar/Viva-Voce)	1

### **Specializations**

In view of the rapid expansion in the discipline, the department offers opportunity to study any field of specialization as optional subject. The fields identified here and the courses listed under each are to be opted and studied both by BS 4-Year students from 7th semester onward as well as MSc. Statistics student's Programme (Credit Hours 70)

### **Statistics**

#### **FOURTH YEAR**

<b>7<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 600	Statistical inference I	3
STAT 601	Statistical inference I (Lab.)	1
STAT 602	Sampling & Survey Method I	3
STAT 603	Sampling & Survey Method I (Survey/Lab.)	2
STAT 604	Regression Analysis & Econometrics (Optional)	3
STAT 605	Regression Analysis & Econometrics (Optional) (Lab.)	1
STAT 606	Data Processing & Stat. Computing (Optional)	3
STAT 607	Data Processing & Stat. Computing (Optional) (Lab.)	1

<b>8<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 608	Statistical inference- II	3
STAT 609	Statistical inference- II (Lab.)	1
STAT 610	Sampling & Survey Method II	3
STAT 611	Sampling & Survey Method II (Survey/Lab.)	2
STAT 612	Operation Research (Optional)	3
STAT 613	Operation Research (Optional) (Lab.)	1
STAT 614	Stochastic Process/ Time Series Analysis & Forecasting (Optional)	3
STAT 615	Stochastic Process/ Time Series Analysis & Forecasting (Optional) (Lab.)	1
STAT 616	Research Project/Comprehensive Viva-Voce	2

\* odd number courses are Labs

### **Operations Research**

#### **FOURTH YEAR**

<b>7<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 600	Statistical Inferences-I	3
STAT 601	Statistical Inferences-I (Lab.)	1
STAT 602	Sampling & Survey Methods-I	3
STAT 603	Sampling & Survey Methods-I (Lab.)	2
STAT 604	Stochastic Process	3
STAT 605	Stochastic Process Lab.	1
STAT 606	Data Processing & Statistical Computing-II	3
STAT 607	Data Processing & Statistical Computing-II (Lab.)	1

<b>8<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 608	Statistical inferences- II	3
STAT 609	Statistical inferences- II (Lab.)	1
STAT 610	Sampling & Survey Methods-II	3
STAT 611	Sampling & Survey Methods-II (Lab.)	2
STAT 612	Operation Research	3
STAT 613	Operation Research (Lab.)	1
STAT 614	Queuing Models	3
STAT 615	Queuing Models Lab.	1
STAT 616	Research Project/Comprehensive Viva-Voce	2

\* odd number courses are Labs

### **Population Sciences**

#### **FOURTH YEAR**

<b>7<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 600	Statistical Inferences-I	3
STAT 601	Statistical Inferences-I (Lab.)	1
STAT 602	Sampling & Survey Methods-I	3
STAT 603	Sampling & Survey Methods-I (Lab.)	1
STAT 604	Techniques of Demographic Analysis (PS)	3
STAT 605	Techniques of Demographic Analysis (PS) (Lab.)	2
STAT 606	Data Processing & Statistical Computing-I	3
STAT 607	Data Processing & Statistical Computing-I (Lab.)	2

<b>8<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 608	Statistical inferences- II	3
STAT 609	Statistical inferences- II (Lab.)	1
STAT 610	Sampling & Survey Methods-II	3
STAT 611	Sampling & Survey Methods-II (Lab.)	1
STAT 612	Population and Environment (PS)	3
STAT 613	Population and Environment (PS) (Lab.)	2
STAT 614	Nuptiality & Fertility	3
STAT 615	Nuptiality & Fertility(Lab.)	1
STAT 616	Research Project/Comprehensive Viva-Voce	2

\* odd number courses are Labs

**M.Sc. (STATISTICS): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-70**

Pre-requisite: -B.Sc. (Pass) degree with Mathematics/ Statistics as elective subject.

**M.Sc. (Prev.)**

<b>5<sup>th</sup>Semester</b>		<b>C.H.</b>
STAT 500	Statistical Methods-I	3
STAT 501	Statistical Methods-I (Lab.)	1
STAT 502	Probability & Probability Distributions-I	3
STAT 503	Probability & Probability Distributions-I (Lab.)	1
STAT 504	Population Studies-I (Optional)	3
STAT 505	Population Studies-I (Optional) (Lab.)	1
STAT 506	Design and Analysis of EXP-I	3
STAT 507	Design and Analysis of EXP-I (Survey/Lab.)	2

<b>6<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 508	Statistical Methods-II	3
STAT 509	Statistical Methods-II (Lab.)	1
STAT 510	Probability & Probability Distributions –II	3
STAT 511	Probability & Probability Distributions –II (Lab.)	1
STAT 512	Population Studies-II (Optional)	3
STAT 513	Population Studies-II (Optional) (Lab.)	1

STAT 514	Design and Analysis of EXP-II	3
STAT 515	Design and Analysis of EXP-II (Survey/Lab.)	2

**M.Sc. (Final)**

<b>7<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 600	Statistical inference I	3
STAT 601	Statistical inference I (Lab.)	1
STAT 602	Sampling & Survey Method I	3
STAT 603	Sampling & Survey Method I (Survey/Lab.)	2
STAT 604	Regression Analysis & Econometrics (Optional)	3
STAT 605	Regression Analysis & Econometrics (Optional) (Lab.)	1
STAT 606	Data Processing & Stat. Computing (Optional)	3
STAT 607	Data Processing & Stat. Computing (Optional) (Lab.)	1

<b>8<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 608	Statistical inference- II	3
STAT 609	Statistical inference- II (Lab.)	1
STAT 610	Sampling & Survey Method II	3
STAT 611	Sampling & Survey Method II (Survey/Lab.)	2
STAT 612	Operation Research (Optional)	3
STAT 613	Operation Research (Optional) (Lab.)	1
STAT 614	Stochastic Process/ Time Series Analysis & Forecasting (Optional)	3
STAT 615	Stochastic Process/ Time Series Analysis & Forecasting (Optional) (Lab.)	1
STAT 616	Research Project/Comprehensive Viva-Voce	2

\* odd number courses are Labs



**M.Sc. (ACTUARIAL SCIENCES): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS)  
CH 67**

M.Sc. Actuarial sciences will contain a total of 67 Credit Hours out of which 64 (16+16+16+16) will comprise course work in the four (04) semester and 03 Credit Hours for Report Writing & Comprehensive Viva-Voce.

**Eligibility**

The eligibility criteria for admission in M.Sc. Actuarial Science:  
Graduate students with 50% Marks in Mathematics, Statistics, Computer Science, B. Com, B.B.A and relevant subjects.

**M.Sc. (Prev.)**

<b>First Semester</b>		<b>C.H.</b>
ACTU 500	Statistical Methods-I (Th.) (Compulsory)	3
ACTU 501	Statistical Methods-I (Lab.) (Compulsory)	1
ACTU 502	Mathematical Probability & Statistics-I (Th.) (Compulsory)	3
ACTU 503	Mathematical Probability & Statistics-I (Lab.) (Compulsory)	1
ACTU 504	Economics-I (Th.) (Optional)	3
ACTU 505	Economics-I (Lab.) (Optional)	1
ACTU 506	Asset and Liability Management-I (Th.) (Major)	3
ACTU 507	Asset and Liability Management-I (Lab.)(Major)	1
<b>Second Semester</b>		<b>C.H.</b>
ACTU 508	Statistical Methods-II (Th.) (Compulsory)	3
ACTU 509	Statistical Methods-II (Lab.) (Compulsory)	1
ACTU 510	Mathematical Probability & Statistics-II (Th.) (Compulsory)	3
ACTU 511	Mathematical Probability & Statistics-II (Lab.) (Compulsory)	1
ACTU 512	Economics-II (Th.) (Optional)	3
ACTU 513	Economics-II (Lab.) (Optional)	1
ACTU 514	Asset and Liability Management-II (Th.) (Major)	3
ACTU 515	Asset and Liability Management-II (Lab.)(Major)	1

**M.Sc. (Final)**

<b>First Semester</b>		<b>C.H.</b>
ACTU 600	Actuarial Risk Management-I (Introd.) (Th.) (Major)	3
ACTU 601	Actuarial Risk Management-I (Introd.) (Lab.) (Major)	1
ACTU 602	Life Contingencies and Life Tables-I (Th.) (Compulsory)	3
ACTU 603	Life Contingencies and Life Tables-I (Lab.) (Compulsory)	1
ACTU 604	Financial Economics-I (Th.) (Compulsory)	3
ACTU 605	Financial Economics-I (Lab.) (Compulsory)	1
ACTU 606	Stochastic Processes (Th.) (Optional)	3
ACTU 607	Stochastic Processes (Lab.)(Optional)	1
<b>Second Semester</b>		<b>C.H.</b>
ACTU 608	Actuarial Risk Management-II (Introd.) (Th.) (Major)	3
ACTU 609	Actuarial Risk Management-II (Introd.) (Lab.) (Major)	1
ACTU 610	Life Contingencies and Life Tables-II (Th.) (Compulsory)	3
ACTU 611	Life Contingencies and Life Tables-II (Lab.) (Compulsory)	1
ACTU 612	Financial Economics-II (Th.) (Compulsory)	3
ACTU 613	Financial Economics-II (Lab.) (Compulsory)	1
ACTU 614	Survival Model (Th.) (Optional)	3
ACTU 615	Survival Model (Lab.) (Optional)	1
ACTU 616	Report Writing & Comprehensive Viva-Voce (Compulsory)	3

## DEPARTMENT OF ZOOLOGY

The Department was established in 1956, it was shifted at the Allama I.I Kazi Campus, Jamshoro in 1961 and to its present premises in 1965. Two of its new laboratories were constructed in 1993 and were named after the former Chairman, Late Prof. S. Ishfaq Hussain Shah who died to heart failure on August 27, 1991.

Since its inception, the department has been imparting instructions for the 3-year B.Sc. (Hons.) courses and one/ two year M.Sc. Degree Programmes. 4-year BS Programme and 2-year M.Sc. Programme have been introduced since 2003. From academic year 2021 the Department has achieved another milestone to launch BS Evening Programmes. It has been disseminating specialized knowledge in the five fields of Entomology, Parasitology, Vertebrate Biology, Endocrinology and Genetics. The Department also offers Programmes leading to M.Phil. and Ph.D. Degrees in these specialized fields. It has produced 60 Ph.Ds. and 130 M.Phils. since its inception. Present enrolment in the Department is 1050 including M.Phil. / Ph.D. students. The Department has been progressing steadily and at present it is the second largest department in the Faculty of Natural Sciences, University of Sindh.

### MISSION

To develop students and scholars with academics, research and professional knowledge with expertise in the areas of animal sciences to motivate society for the better understanding of Zoology and its economic benefits in applied fields.

### Vision

To develop Department of Zoology as a leading Department of the Faculty of Natural Science and its further upgradation as an institute.

### The teaching faculty comprises the following:

Presently the teaching faculty comprises: 01 Professor Meritorious, 03 Professors, 03 Associate Professor, 09 Assistant Professors and 01 Lecturer.

**Kaka, Naheed, Professor and Chairperson**

M.Sc. 1994, Ph.D. (S.U.) 2002

**Gachal, Ghulam Sarwar, Professor Meritorious**

M.Sc. (S.U.) 1989, Ph.D. (U.K) 2002

**Ursani, Tahira Jabeen, Professor**

M.Sc. (S.U.) 1989, M.Phil. (S.U.) 1991, Ph.D. (S.U.) 2014

**Qadri, Ayaz Hussain, Professor**

M.Sc. (S.U.) 1995, Ph.D. (S.U.) 2014

**Riffat, Sultana, Associate Professor**

M.Sc. (S.U.) 2003, Ph.D. (S.U.) 2008

**Sanjota, Bai, Associate Professor**

M.Sc. (S.U.) 2004, Ph.D. (K.U) 2012

**Bughio, Barkat Ali, Associate Professor**

M.Sc. (S.U.) 1993, Ph.D. (S.U.) 2012

**Shah, Nadir Ali, Assistant Professor**

M.Sc. (S.U.) 1999, Ph.D. (S.U.) 2019

**Malik, Samina, Assistant Professor**

M.Sc. (S. U) 1993, M.Phil. (S.U.) 2014, Ph.D. (S.U.) 2022

**Saima Naz, Assistant Professor**

M.Sc. (K.U) 1999, Ph.D. (K.U) 2010

**Shah, Mansoor Ali, Assistant Professor**

M.Sc. (S.U.) 2002, Ph.D. (S.U.) 2013

**Shah, Naheed, Assistant Professor**

M.Sc. (S.U.) 2004, M.Phil. (S.U.) 2016, Ph.D. (S.U.) 2021

**Jahejo, Noshen, Assistant Professor**

M.Sc. (S.U.) 2004, M.Phil. (S.U.) 2014, Ph.D. (S.U.) 2022

**Khokhar, Jawaid, Assistant Professor**

M.Sc. (S. U) 2001, M.Phil. (S.U.) 2008, Ph.D. (S.U.) 2017

**Shaikh, Kalsoom, Assistant Professor**

M.Sc. (S.U.) 2008, Ph.D. (S.U.) 2015

**Shaikh, Farheen, Assistant Professor (Adhoc)**

M.Sc. (S.U.) 2000, Ph.D. (S.U.) 2021

**Karmoon Lal, Lecturer**

M.Sc. (S.U.) 2010

**BS (ZOOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-133**

Pre-requisite: - H.S.C. with Pre-Medical, / General Science Biology Group, Pre-Entry Test

**FIRST YEAR**

**First Semester C.H.**

ENGL 300	English I (Functional English)	3
PKST 300	Pakistan Studies	2
MATH 300	Mathematics I	3
ZOOL 310-311	Animal Diversity I (Invertebrates)	3+1
BOTN 320-321	Botany	2+1
PHYSO/FWBF/ CHEM/BIOCHEM 320-321	Physiology/F-W.Biology/Chemistry/Biochemistry	2+1

**Second Semester C.H.**

ENGL 301	English- II (Communication Skills)	3
ISST/ETHS 301	Islamic Studies/ Ethics	2
ZOOL 312- 313	Animal Diversity II (Chordates)	3+1
BOTN 322- 323	Botany	2+1
ZOOL 314- 315	Cell Botany	2+1
PHYSO/FWBF/CHEM/ BIOCHEM 322-323	Physiology/F-W.Biology/Chemistry/ Biochemistry	2+1

**SECOND YEAR**

**Third Semester C.H.**

ENGL 400	English- III (Technical Writing and Presentation Skills)	3
COMPU 406-407	Introduction to Computer	1+2
CIVL 400	Civilization	2
ZOOL 410-411	Animal Form & Function I	3+1
BOTN 420-421	Botany	2+1
PHYSO/FWBF/CHEM/ BIOCHEM420-421	Physiology/F-W.Biology/Chemistry/ Biochemistry	2+1

**Fourth Semester C.H.**

ENGL 401	English- IV	3
ZOOL 412- 413	Biochemistry I	2+1

ZOOL 414- 415	Biological Techniques	1+2
ZOOL 416- 417	Animal Form & Function-II	3+1
ZOOL 418	Animal Behavior	3
PSYC 424	Psychology	2

**THIRD YEAR**

**Fifth Semester C.H.**

ZOOL 500-501	Biochemistry II	2+1
ZOOL 502-503	Economic Zoology	2+1
ZOOL 504-505	Physiology	3+1
ZOOL 506-507	Ecology	2+1
ZOOL 508	Evolution	2

**Sixth Semester C.H.**

ZOOL 510-511	Principles of Systematics	2+1
ZOOL 512-513	Developmental Biology	3+1
ZOOL 514-515	Genetics	3+1
ZOOL 516-517	Wildlife	2+1
ZOOL 518	Research Methodology	2

**FOURTH YEAR**

**Seventh Semester C.H.**

ZOOL 600-601	Biostatistics	2+1
ZOOL 602-603	Molecular Biology	2+1
ZOOL 604-605	Special Paper-I	2+1
ZOOL 606-607	Special Paper-II	2+1
ZOOL 608	Research Project	3

**Eighth Semester C.H.**

ZOOL 610-611	Bioinformatics	1+2
ZOOL 612-613	Immunology	2+1
ZOOL 614-615	Special Paper-III	2+1
ZOOL 616-617	Special Paper-IV	2+1
ZOOL 618-619	Zoogeography & Paleontology	2+1

**M.Sc. (ZOOLOGY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66**

Pre-requisite: -B.Sc. (Pass) degree with Zoology as one of the elective subjects.

**M.Sc. (Previous)**

<b>First Semester</b>		<b>C.H.</b>
ZOOL 500-501	Biochemistry II	2+1
ZOOL 502-503	Economic Zoology	2+1
ZOOL 504-505	Physiology	3+1
ZOOL 506-507	Ecology	2+1
ZOOL 508	Evolution	2

<b>Second Semester</b>		<b>C.H.</b>
ZOOL 510-511	Principles of Systematics	2+1
ZOOL 512-513	Developmental Biology	3+1
ZOOL 514-515	Genetics	3+1
ZOOL 516-517	Wildlife	2+1
ZOOL 518	Research Methodology	2

**M.Sc. (Final)**

<b>Third Semester</b>		<b>C.H.</b>
ZOOL 600-601	Biostatistics	2+1
ZOOL 602-603	Molecular Biology	2+1
ZOOL 604-605	Special Paper-I	2+1
ZOOL 606-607	Special Paper-II	2+1
ZOOL 608	Research Project	3
<b>Fourth Semester</b>		<b>C.H.</b>
ZOOL 610-611	Bioinformatics	1+2
ZOOL 612-613	Immunology	2+1
ZOOL 614-615	Special Paper-III	2+1
ZOOL 616-617	Special Paper-IV	2+1
ZOOL 618-619	Zoogeography & Paleontology	2+1

\*Odd numbered courses are Lab courses/Practicals

**BS (POULTRY FARMING AND MANAGEMENT): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-137**

Pre-requisite: - H.S.C. with Pre-Medical Group with 45% marks, Pre-Entry Test

**FIRST YEAR**

<b>First Semester</b>		<b>C.H.</b>
ENG 300	English	3
MATH 300	Mathematics-I	3
PKST 300	Pakistan Studies	2
PS 310-311	Introduction to Poultry Science	3+1
PS 312-313	Anatomy & Physiology of Chicken	2+1
ABG 314-315	Principles of Heredity	2+1

<b>Second Semester</b>		<b>C.H.</b>
IST 301	Islamic Studies / Ethics	2
ENG 301	English	3
CS 301	Introduction to Information and Communication Technologies	1+2
PS 316- 317	Poultry Physiology	2+1
PS 318	Poultry Behavior and Welfare	2
PS 320-321	Fundamentals of Animal Nutrition	2+1
ZOOL 322-323	Animal Diversity	2+1

**SECOND YEAR**

<b>Third Semester</b>		<b>C.H.</b>
ENG 400	English	3
AN 402-403	Mineral and Vitamin Metabolism	2+1
ABG 404-405	Introductory Molecular Genetics and Genomics	2+1
MICRO 406-407	General Microbiology and Immunology	3+1
PS 410-411	Poultry Diseases & Pharmacology	2+1
PS 412-413	Poultry Housing and Equipment	2+1

<b>Fourth Semester</b>			<b>C.H.</b>
ENG 401	English		3
BIOSTAT 414- 415	Biostatistics and Computer Application		2+1
ABG 416- 417	Introductory Population Genetics		2+1
PATH 418- 419	Poultry Pathology		2+1
PS 420- 421	Broiler Production & Management		2+1
PS 422-432	Poultry Reproduction		2+1
<b>THIRD YEAR</b>			
<b>Fifth Semester</b>			<b>C.H.</b>
BCH 500-501	General Biochemistry		2+1
ABG 502-503	Applied Poultry Breeding		2+1
EPID 504-505	Veterinary Epidemiology and Public Health		3+1
PS 506-507	Poultry Farm Equipment, Structure and Housing		2+1
PS 508-509	Breeder Production and Management		2+1
PS 510-511	Poultry Farm Practices		2+1
<b>Sixth Semester</b>			<b>C.H.</b>
ABG 512-513	Bioinformatics & Biotechnology		2+1
PS 514-515	Fancy Bird Production		2+1
PS 516-517	Poultry Waste Management		2+1
PS 518-519	Poultry Products Technology		2+1
PS 520-521	Poultry Marketing and Economics		2+1
PS 522-523	Principles of Poultry Nutrition		2+1

<b>FOURTH YEAR</b>			
<b>Seventh Semester</b>			<b>C.H.</b>
PS 600-601	Farm Records and Data Analysis		2+1
PS 602-603	Poultry Farm Management		2+1
PS 604-605	Conservation and Development of Indigenous Poultry Resources		2+1
PS 606-607	Poultry Feed Industry		2+1
PS 608-609	Poultry Medicine		2+1
MAB 610	Agri-Business Management, Marketing and WTO		3
<b>Eighth Semester</b>			<b>C.H.</b>
PS 612	Research Methodology		2
PS 614	INTERNSHIP		6

# FACULTY OF PHARMACY

The Department of Pharmacy established in 1974, was upgraded to the institute of Pharmacy in 1999 and became Faculty of Pharmacy on 2nd May 2005, constituting four Departments, i.e., Departments of Pharmaceutics, Pharmacology, Pharmaceutical Chemistry and Pharmacognosy. Later on the recommendation of Pharmacy Council of Pakistan and Higher Education Commission, Department of Pharmacy Practice is also established as fifth component Department in the Faculty of Pharmacy.

Earlier it offered courses leading to the degree of B. Pharmacy (4 years program). However from 2004 session, nomenclature of the degree is changed to doctor of Pharmacy (Pharm. D.) and it has been made five years (10-semester) degree program. Pharm. D. degree is offered jointly by five component departments. The Faculty also offers M.Phil./Ph.D. in the field of Pharmaceutics, and M.Phil in the field of Pharmacology. The faculty comprises of skilled professionals.

The Faculty has to date produced 2800 pharmacists out of whom more than 90% are working in different professional organizations of national and international repute. At present the faculty has on its role 1036 local students in both morning and evening batches and about 40 (both Male and Female) from more than 06 different countries, that give a look of international gathering.

The component departments are:

- (1) Department of Pharmaceutics
- (2) Department of Pharmacy Practice
- (3) Department of Pharmacology
- (4) Department of Pharmaceutical Chemistry
- (5) Department of Pharmacognosy

## PROGRAMME

**Doctor of Pharmacy (Pharm-D)**

**5 Years Degree Programme**



**Prof. Dr. Khalida Faryal Almani**  
Ph.D (SU)  
Dean



## Department of Pharmaceutics

The Department of Pharmaceutics was established in May 2005 with the up-gradation of the Institute of Pharmacy to “Faculty of Pharmacy”. Prof. Dr. Abdullah Dayo was appointed as the first Chairman of the Department.

**Almani, Khalida Faryal, Professor & Dean**

B.Pharm. (S.U.) 1987, M.Pharm. (S.U.) 1991, Ph.D. (S.U.) 2005

**Mughal, Ubed Ur Rehman, Professor & Chairman**

B.Pharm. (S. U) 1998, M.Phil. (S.U.) 2009, Ph.D. (S.U.) 2016

**Suheryani, Imran, Associate Professor**

B. Pharm (S. U) 2005, M.Phil. (H.U) 2013, Ph.D. (China) 2017

**Rajput, Salman Ahmed, Assistant Professor**

Pharm D (S. U) 2009, M.Phil. (S.U.) 2015

**Qureshi, Ali, Assistant Professor (On Study Leave)**

Pharm D (S. U) 2011, M.Phil. (S.U.) 2017

**Umrani, Shoaib Muhammad, Lecturer**

Pharm D (S. U) 2011, M.Phil. (S.U.) 2020

**Rustmani, Fozia, Lecturer**

Pharm D (S. U) 2011, M.Phil. (S.U.) 2019

**Sabzoi, Waqar Ahmed, Lecturer**

Pharm D (S. U) 2014, M.Phil. (S.U.) 2020

## Department of Pharmaceutical Chemistry

The Department of Pharmaceutical was established in May 2005 with the up-gradation of the Institute of Pharmacy to “Faculty of Pharmacy”.

Prof. Dr. Muhammad Usman Memon was appointed as the first Chairman of the Department.

**Maheshwari, Madan Lal, Assistant Professor/Incharge**

B. Pharm. (S. U) 1998, M.Phil. (S.U.) 2013, Ph.D. (S.U.) 2021

**Qureshi, Yasmeen, Assistant Professor (Adhoc)**

Pharm D (S.U.) 2011, Ph.D. (S.U.) 2021

**Lakho, Saeed Ahmed, Assistant Professor**

Pharm D (S.U.) 2013, M.Phil. 2017, Ph.D. (KU) 2022

**Khan, Tooba, Lecturer (On Study Leave)**

Pharm D (S. U) 2012, M.Phil. (S.U.) 2018

## Department of Pharmacology

The Department of Pharmacology was established in May 2005 with the up-gradation of the Institute of Pharmacy to “Faculty of Pharmacy”. Ms. Ozra Ahsan was appointed as the first Chairperson of the Department.

**Panhwar, Fouzia, Professor & Chairperson**

B.Pharm. 1993, M.Pharm. (S.U.) 1997, Ph. D (U.K) 2012

**Khatri, Muhammad Akram, Associate Professor**

B.Pharm. (S.U.) 2005, Ph. D. (South Korea) 2016

**Memon, Mazhar Mustafa, Assistant Professor**

B.Pharm. (S. U) 2002, M.Phil. (Q.U) 2012

**Kumari, Geeta, Assistant Professor**

Pharm.D (S.U.) 2009, Ph. D. (Singapore) 2017

**Muhammad Aslam, Assistant Professor**

Pharm.D (S. U) (FUUAST) 2008, M.Phil. (KU) 2013, Ph. D. (KU) 2016

**Khokhar, Muhammad Ali, Lecturer (On Study Leave)**

Pharm D (S.U.) 2008

**Shah, Bibi Shah, Lecturer**

Pharm D (S.U.)



## Department of Pharmacognosy

The Department of Pharmacognosy was established in May 2005 with the up-gradation of the Institute of Pharmacy to "Faculty of Pharmacy".

Prof. Dr. Muhammad Usman Memon was appointed as the first Chairman of the Department.

**Memon, Abdul Hakeem, Professor & Chairman**

B. Pharm 2001, M.Phil. (S.U.) 2008, Ph. D. (Malaysia) 2016

**Syed Ahmed Shah, Assistant Professor**

B. Pharm 2006, Pharm.D (S.U.) (condensed Course 2008), Ph. D. (South Korea) 2016

**Jamali, Jameela, Assistant Professor**

Pharm D (S.U.) 2010, Ph.D. (S.U.) 2021

**Lashari, Hosh Muhammad, Lecturer**

Pharm D (S.U.) 2015, M.Phil. (S.U.) 2018

## Department of Pharmacy Practice

The Department of Pharmacy Practice was established in May 2016.

Dr. Muhammad Ali Ghoto was appointed as the First chairman of the Department.

**Ghoto, Muhammad Ali, Professor & Chairman**

B. Pharm (S.U.) 1999, MBA 2005, MA (S.U.) 2007, Ph.D. (S.U.) 2013

**Arain, Mudassar Iqbal, Assistant Professor**

Pharm D (S.U.) 2010, Ph.D. (S.U.) 2016

**Mangi, Rabia Parveen, Assistant Professor**

Pharm D (S.U.) 2011, Ph.D. (S.U.) 2019

**Kumar, Narendar, Lecturer (On Study Leave)**

Pharm D (S.U.) 2011

**Nargis, Saharan, Lecturer**

Pharm D (S.U.) 2016

## DOCTOR OF PHARMACY (PHARM-D) MORNING & EVENING PROGRAMME

### 05 YEARS DEGREE PROGRAMME (10 SEMESTERS) CH-198

Pre-requisite: H.S.C.: Pre-Medical with at least 60% aggregate score and Pre Entry Test

Curricula for this **5 Years Professional Degree** Programme, spread over TEN semesters, are organised as under:

A. General Requirements CH-11		C.H.
ENG 300-301	English	2+4
IS 302	Islamic Studies/ Ethics (for non-muslims)	3
PS 303	Pakistan Studies	2

### B. Professional Requirements CH-187

#### FIRST YEAR

First Semester		C.H.
ENG 300	English-A (Functional English)	2
PHARM 310	Pharmaceutics-IA (Physical Pharmacy-I) Th.	3
PHARM 311	Pharmaceutics-IA (Physical Pharmacy-I) Lab	1
PHARM 312	Pharmaceutical Chemistry-IA(Organic) Th	3
PHARM 313	Pharmaceutical Chemistry-IA(Organic) Lab	1
PHARM 314	Pharmaceutical Chemistry-IIA (Biochemistry) Th	3
PHARM 315	Pharmaceutical Chemistry-IIA (Biochemistry) Lab	1
PHARM 316	Physiology-A Th	3
PHARM 317	Physiology-A Lab	1
PHARM 318	Anatomy & Histology Th	3
PHARM 319	Anatomy & Histology Lab	1

Second Semester		C.H.
ENG 301	English-B (Communication & Writing skills)	4
PHARM 320	Pharmaceutics-IB (Physical Pharmacy-II) Th	3

PHARM 321	Pharmaceutics-IB (Physical Pharmacy-II) Lab	1	PHARM 424	Pharmaceutical Microbiology & Immunology-II) Lab	1
PHARM 322	Pharmaceutical Chemistry-IB (Organic) Th	3	PHARM 425	Pharmacology and Therapeutics-IB Th	3
PHARM 323	Pharmaceutical Chemistry-IB (Organic)Lab	1	PHARM 426	Pharmacology and Therapeutics-IB Lab	1
PHARM 324	Pharmaceutical Chemistry-IIB (Biochemistry) Th	3	PHARM 427	Pharmacognosy-IB (Basic)Th	3
PHARM 325	Pharmaceutical Chemistry-IIB (Biochemistry) Lab	1	PHARM 428	Pharmacognosy-IB (Basic)Lab	1
PHARM 326	Physiology-B Th	3		Pharmacy Practice-IB (Bio-statistics)	3
PHARM 327	Physiology-B Lab	1			
<b>SECOND YEAR</b>					
<b>Third Semester</b>			<b>THIRD YEAR</b>		
<b>C.H.</b>			<b>Fifth Semester</b>		
IS 402	Islamic Studies	3	PHARM 510	Pharmacy Practice-IIA (Dispensing Pharmacy) Th	3
PHARM 410	Pharmaceutics-II A (Dosage Form Science-I) Th	3	PHARM 511	Pharmacy Practice-IIA (Dispensing Pharmacy) Lab	1
PHARM 411	Pharmaceutics-II A (Dosage Form Science-I) Lab	1	PHARM 512	Pharmaceutical Chemistry-IIIA	
PHARM 412	Pharmaceutics-III A			(Pharmaceutical Analysis-I) Th	3
	(Pharmaceutical Microbiology & Immunology-I) Th	3	PHARM 513	Pharmaceutical Chemistry-IIIA	
PHARM 413	Pharmaceutics-III A			(Pharmaceutical Analysis-I) Lab	1
	(Pharmaceutical Microbiology & Immunology-I) Lab	1	PHARM 514	Pharmacology and Therapeutics-IIA Th	3
PHARM 414	Pharmacology and Therapeutics-IA Th	3	PHARM 515	Pharmacology and Therapeutics-IIA Lab	1
PHARM 415	Pharmacology and Therapeutics-IA Lab	1	PHARM 516	Pharmacognosy-IIA (Advanced) Th	3
PHARM 416	Pharmacognosy-IA (Basic) Th	3	PHARM 517	Pharmacognosy-IIA (Advanced) Lab	1
PHARM 417	Pharmacognosy-IA (Basic) Lab	1	PHARM 518	Pathology Th	3
PHARM 418	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3	PHARM 519	Pathology Lab	1
<b>Fourth Semester</b>			<b>Sixth Semester</b>		
<b>C.H.</b>			<b>C.H.</b>		
PS 403	Pakistan Studies	2	PHARM 520	Pharmacy Practice-IIB	
PHARM 420	Pharmaceutics-IIB (Dosage Form Science-II) Th	3		(Community, Social & Administrative Pharmacy) Th	3
PHARM 421	Pharmaceutics-IIB (Dosage Form Science-II) Lab	1	PHARM 522	Pharmaceutical Chemistry-IIIB	
	Pharmaceutics-IIIB			(Pharmaceutical Analysis-II) Th	3
	(Pharmaceutical Microbiology & Immunology-II) Th	3	PHARM 523	Pharmaceutical Chemistry-IIIB	
PHARM 423	Pharmaceutics-IIIB			(Pharmaceutical Analysis-II) Lab	1
			PHARM 524	Pharmacology and Therapeutics-IIB Th	3

PHARM 525	Pharmacology and Therapeutics-IIB Lab	1		(Biopharmaceutics & Pharmacokinetics-II) Th	3
PHARM 526	Pharmacognosy-IIB (Advanced) Th	3	PHARM 627	Pharmaceutics-VB	
PHARM 527	Pharmacognosy-IIB (Advanced) Lab	1		(Biopharmaceutics & Pharmacokinetics-II) Lab	1
	Pharmacy Practice-III		PHARM 628	Pharmaceutics-VIB	
	(Computer and its Applications in Pharmacy) Th	3		(Pharmaceutical Quality Management-II) Th	3
PHARM 529	Pharmacy Practice-III		PHARM 629	Pharmaceutics-VIB	
	(Computer and its Applications in Pharmacy) Lab	1		(Pharmaceutical Quality Management-II) Lab	1

#### FOURTH YEAR

##### **Seventh Semester** **C.H.**

PHARM 610	Pharmacy Practice-IVA (Hospital Pharmacy-I)	3
PHARM 612	Pharmacy Practice-VA (Clinical Pharmacy-I) Th	3
PHARM 613	Pharmacy Practice-VA (Clinical Pharmacy-I) Lab	1
PHARM 614	Pharmaceutics-IVA (Industrial Pharmacy-I) Th	3
PHARM 615	Pharmaceutics-IVA (Industrial Pharmacy-I) Lab	1
PHARM 616	Pharmaceutics-VA	
	(Biopharmaceutics & Pharmacokinetics-I) Th	3
PHARM 617	Pharmaceutics-VA	
	(Biopharmaceutics & Pharmacokinetics-I) Lab	1
PHARM 618	Pharmaceutics-VIA	
	(Pharmaceutical Quality Management-I) Th	3
PHARM 619	Pharmaceutics-VIA	
	(Pharmaceutical Quality Management-I) Lab	1

##### **Eighth Semester** **C.H.**

PHARM 620	Pharmacy Practice-IVB (Hospital Pharmacy-II)	3
PHARM 622	Pharmacy Practice-VB (Clinical Pharmacy-II) Th	3
PHARM 623	Pharmacy Practice-VB (Clinical Pharmacy-II) Lab	1
PHARM 624	Pharmaceutics-IVB (Industrial Pharmacy-II) Th	3
PHARM 625	Pharmaceutics-IVB (Industrial Pharmacy-II) Lab	1
PHARM 626	Pharmaceutics-VB	

#### FIFTH YEAR

##### **Ninth Semester** **C.H.**

PHARM 710	Pharmaceutics-VIIA Pharmaceutical Technology-I) Th	3
PHARM 711	Pharmaceutics-VIIA Pharmaceutical Technology-I) Lab	1
PHARM 712	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-I) Th	3
PHARM 713	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II) Lab	1
PHARM 714	Pharmacy Practice-VIIA (Forensic Pharmacy-I) Th	3
PHARM 716	Pharmacy Practice-VIIIA	
	(Pharmaceutical Management & Marketing-I) Th	3
PHARM 718	Pharmaceutical Chemistry-IVA (Medicinal Chemistry-I) Th	3
PHARM 719	Pharmaceutical Chemistry-IVA (Medicinal Chemistry-I) Lab	1

##### **Tenth Semester** **C.H.**

PHARM 720	Pharmaceutics- VIIB (Pharmaceutical Technology-II) Th	3
PHARM 721	Pharmaceutics- VIIB (Pharmaceutical Technology-II) Lab	1
PHARM 722	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II) Th	3
PHARM 723	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II) Lab	1
PHARM 724	Pharmacy Practice-VIIB (Forensic Pharmacy-II) Th	3
PHARM 726	Pharmacy Practice-VIIB	
	(Pharmaceutical Management & Marketing-II) Th	3
PHARM 728	Pharmaceutical Chemistry-IVB	
	(Medicinal Chemistry-II) Th	3
PHARM 729	Pharmaceutical Chemistry-IVB	
	(Medicinal Chemistry-II) Lab	1

# FACULTY OF SOCIAL SCIENCES

The faculty of social sciences located at the heart of the University of Sindh main campus in the educational city of Jamshoro welcomes all the students, scholars and researchers who have entrusted us for the most important phase of their academic journey. We are proud to have a long tradition of offering excellent quality education and research in a green, positive and peaceful academic environment.

The faculty offers a range of degree programs in the disciplines of Criminology, Economics, Far East & South East Asia Studies, Gender Studies, History, International Relations, Library Information Sciences and Archive Studies. Media and Communication Studies, Pakistan Studies, Political Science, Psychology, Public Administration, Rural Development Communication, Sindh Development Studies, Social Work and Sociology.

The academic team of the Faculty of Social Sciences has highly qualified, enthusiastic and experienced faculty members with large number of them holding PhD degrees and post-doctoral qualifications from national and international universities of repute. They believe in imparting quality education and striving to equip students with high quality knowledge, values of critical thinking, interpersonal, academic, research and professional skills to prepare them for actively and effectively responding to the growing social demands and challenges at national and international journals. Several faculty members have received research projects funded from Higher Education Commission of Pakistan and other agencies.

The Faculty is home to quality research and publication regularly publishing several HEC recognized research journals. The journals publish under the umbrella of Faculty of Social Sciences include 1) Asia Pacific: Annual Research Journal of Far East & South East Asia, 2) Grass Roots, 3) Research Journal of Social Sciences, 4) The Government: Annual Research Journal of Political Sciences, 5) The Women: Annual Research Journal of Gender Studies.

I am proud to be associated with this Faculty as the Dean. I welcome all the present and future students, Scholars and researchers in this Faculty. I invite you to explore, utilize and take maximum benefit of all the human, material and academic resources gather in this Faculty for your grooming. I am sure that the Faculty of Social Sciences will provide you an excellent, exciting and challenging learning experience along with prospects of promising career path after graduating from this institution.



**Prof. Dr. Hamadullah Kakepoto**  
Ph.D. (KU), Postdoc (Malaysia)  
Dean

## CENTRE/INSTITUTE/DEPARTMENTS

01. Abida Taherani Sindh Development Study Centre
02. Institute of Gender Studies
03. Department of Economics
04. Department of General History
06. Department of Library and Info. Sci. & Archive St.
05. Department of International Relations
08. Department of Political Science
09. Department of Psychology
07. Department of Media & Commun. Studies
10. Department of Public Administration
11. Department of Sociology
12. Department of Social Work
13. Department of Criminology
14. Area Study Centre Far East & South East Asia (M.Phil/Ph.D)
15. Pakistan Study Centre
16. Centre for Rural Development Communication

## PROGRAMMES

<b>BS Criminology</b>	<b>BS Media &amp; Communication Studies</b>
<b>BS Disaster Management</b>	<b>BS Pakistan Studies</b>
<b>BS Economics</b>	<b>BS Public Administration</b>
<b>BS Economics and Finance</b>	<b>BS Psychology</b>
<b>BS General History</b>	<b>BS Political Science</b>
<b>BS Gender Studies</b>	<b>BS Rural Development Communication</b>
<b>M.Sc Home Economics</b>	<b>BS Rural Development Studies</b>
<b>BS International Relations</b>	<b>BS Social Work</b>
<b>BS Library &amp; Information Science</b>	<b>BS Sociology</b>

\*Admission on district wise quota basis



## CENTRE FOR RURAL DEVELOPMENT COMMUNICATION

The Centre for Rural Development Communication (CRDC) is the premier institute of Rural Development Communication in Pakistan. It was established in the year 2002 with the mission to facilitate the proponents of rural development in their endeavor toward the socio-economic well-being of the rural masses by overcoming their information and communication problems and requirements.

The Centre, initially, has following objectives:

- Research on communication related problems and issues of rural areas.
- Training & capacity-building workshops/seminars on communication related problems/needs of organizations working for rural development.
- Extending institutional development expertise/services to rural organizations in planning, developing and implementing their communication strategies.
- Developing effective strategies and communication modules/charts for sustainable development; ensuring vital participation of the stakeholders.
- Creating linkages between public and civil society organizations, policymakers, donors and Programme managers of rural development.
- Since it's founding the CRDC has undertaken many training and research activities in collaboration with many international, national, provincial organizations and NGOs. Its academic Programmes including:
  - Professional Diploma in Rural Development Communication
  - Professional Diploma in Health Communication
  - BS 4-year Programme in Development Communication

**The teaching faculty comprises the following:**

**Memon, Bashir Ahmed, Professor and Director**

MA (Mass Communication) (S.U.) 2000, Ph. D (U.K) 2011

**Khuhro, Rashid Ali, Assistant Professor (Adhoc)**

MA (Hons) Mass Communication (S.U.) 2007

**Shaikh, Sara Rehman, Lecturer**

MA (Mass Communication) (S.U.) 2002

### **BS (DEVELOPMENT COMMUNICATION): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136**

Pre-requisite: H.S.C. or Equivalent, Pre-Entry Test.

#### **FIRST YEAR**

<b>First Semester</b>		<b>C.H.</b>
ENG 300	English	3
IS/ET 302	Islamic Studies/Ethics for Non Muslims	2
CS/STAT 306	Computer Skills/Statistics	3
DevCom 310	Introduction to Communication	4
	Minor-I	3
	Minor-II	3

<b>Second Semester</b>		<b>C.H.</b>
ENG 301	English	3
PS 303	Pakistan Studies	2
CS/STAT 308	Computer Skills/Statistics	3
DevCom 312	Introduction to Development Communication	4
321	Minor-I	3
331	Minor-II	3

#### **SECOND YEAR**

<b>Third Semester</b>		<b>C.H.</b>
ENG 400	English	3
S/U 402	Sindhi/Urdu	2
GS/GEO/CIV406	General Mathematics/Geography/Civilization	3
DevCom 410	Mass Communication	4
	Minor-I	3
	Minor-II	3

<b>Fourth Semester</b>			<b>C.H.</b>
ENG 401	English		3
S/U 403	Sindhi/Urdu	2	
RD/ENV/GSC/408	Rural Development/Environmental Sciences/General Sciences		3
DevCom 412	Development Support Communication		4
	Minor-I		3
	Minor-II		3
<b>THIRD YEAR</b>			
<b>Fifth Semester</b>			<b>C.H.</b>
DevCom 501	Rural Development in Pakistan		3
DevCom 502	Theories of Communication-I		3
DevCom 503	Mass Media & Society		3
DevCom 504	Community Media		3
DevCom 505	Media Writing		3
<b>Sixth Semester</b>			<b>C.H.</b>
DevCom 551	Theories of Communication-II		3
DevCom 552	Mass Media Laws & Ethics		3
DevCom 553	Social Media		3
DevCom 554	ICTs for Development		3
DevCom 555	Research Methods-I		3
<b>FOURTH YEAR</b>			
<b>Seventh Semester</b>			<b>C.H.</b>
DevCom 601	Research Methods-II		3
DevCom 602	Crisis Communication		3
DevCom 603	Strategic Communication		3
DevCom 604	Participatory Communication		3
DevCom 605	Social & Behavior Change Communication		3
<b>Eighth Semester</b>			<b>C.H.</b>
DevCom 651	Inter-Cultural Communication		3
DevCom 652	Health Communication		3
DevCom 653	Organizational Communication		3
DevCom 654	Environmental Communication		3
DevCom 655	Seminar in Development Communication		3
DevCom 656	Thesis & Viva Voce		4
<b>PROFESSIONAL DIPLOMA IN RURAL DEVELOPMENT COMMUNICATION: 01 SEMESTER PROGRAMME CH-16</b>			
Pre-requisite: The Candidates with graduate (BA / BS / BE / MBBS / MBA / MPA) degree from HEC recognized universities may apply for admission. Relevant experience of writing in the field of health or participation in health related Programmes will be given preference in admission.			
<b>Semester Courses</b>			<b>C.H.</b>
DHC 101	Development Communication		3
DHC 102	Understanding Rural Society		3
DHC 103	Media Workshop		5
DHC 104	Research Report		5
For more information, student may contact the Director CRDC.			
<b>PROFESSIONAL DIPLOMA IN HEALTH COMMUNICATION: 01 SEMESTER PROGRAMME CH-16</b>			
Pre-requisite: The Candidates with graduate degree in medical health, nursing, natural or social sciences from HEC recognized universities may apply for admission. Relevant experience of writing in the field of health or participation in health related Programmes will be given preference in admission.			
<b>Semester Courses</b>			<b>C.H.</b>
DHC 101	Health Care Systems in Pakistan		3
DHC 102	Health Communications		3
DHC 103	Writing Health Matters		3
DHC 104	ICTs & Social Media in Health		3
DHC 105	Health Communication Research		3



## PAKISTAN STUDY CENTRE

### PROFILE OF THE INSTITUTION

Pakistan Study Centre (PSC) is one of the leading research focused institutions of higher education.

We teach and research across a wide range of subjects in the field of Pakistan Studies. We are based in creative and culturally diverse area of Jamshoro located near the river Indus. The centre offers excellent learning environment as well as accommodation to students.

Pakistan Study Centre is committed to maintain highest standards in teaching, research, and learning experiences of students. The Centre is firmly positioned within the higher education institutions of Pakistan which have shown strong commitment to knowledge dissemination through quality education, and provision of high quality courses to cohorts of students wishing to expand their skills at all levels.

Pakistan Study Centre is one of the Pakistan's leading institutions with 700 students; we are growing as an institution of higher education and advanced research. Pakistan Study Centre has made a strategic commitment to the highest quality of research. We are committed to maintain high standards in the field of research, learning experience, employability and institutional linkage with public sector organizations and industries.

Pakistan Study Centre welcomes students to join in its journey to academic and research excellence. On the basis of our track record of outstanding education, quality research and excellent campus services, we are sure that our students will be able to learn new knowledge, develop new skills to become exceptional leaders. The environment of the centre encourages innovation in education and enables the students to create ideas and vision for their career advancement of academic and professional career.

### ESTABLISHMENT OF PSC UNDER THE ACT OF PARLIAMENT

In exercise of the powers conferred by section 10 of the Centre of Excellence Act No. XXIV of 1974, the Pakistan Study Centre started functioning in 1974 under the supervision of The University of Sindh in accordance with the directives of the University Grants Commission [now Higher Education Commission (HEC) of Pakistan], Islamabad. Consequently, the Pakistan Study Centre Act No. XXVII of 1976 was passed by the National Assembly of Pakistan in 1976.

According to Section 6(1), the management, overall control and supervision of the affairs of the Pakistan Study Centre established in a University shall vest in a Board of Governors and the Vice Chancellor of the University, who shall also be its Chairman.

According to Section-4 of the Act of Pakistan Study Centre (Act No. XXVII of 1976) the objectives and functions of the Pakistan Study Centre are to:

- engage in the study of languages, literature, social structure, customs, attitudes and motivation, of the people of various regions of Pakistan;*
- establish under-graduate, graduate, post-graduate degrees and other Programmes in the relevant discipline in accordance with the standard and requirements of the University in which the Centre is established;*
- promote cooperation in inter-disciplinary relationship with other centres, teaching and research establishments;*
- arrange conferences, seminars and refresher courses for the development of teaching and research; and*
- promote teaching and research in particular subjects as assigned to it by the Federal Government in consultation with the University in which the Centre is established.*

### MISSION STATEMENT

Pakistan Study Centre's mission is to work with strong commitment to advancement of knowledge through quality education and provision of advanced courses to the students wishing to develop their professional skills.

### VISION STATEMENT

The Pakistan Study Centre also strives to improve its stature as an institution of broadly-based research. The Centre's aim is to further improve the quality of research through innovative ways of creating new knowledge for the benefit of society on local, regional, national and international level. It is putting forth the best of its efforts and potential to foster a culture of academic freedom and independent scholarship.

### MANDATE

Pakistan Study Centre (PSC) is established under the Act of Parliament 1976 (Act No. XXVII of 1976). The Centre is engaged in the study of languages, literatures, social structures, customs, attitudes and motivation of people of various regions of Pakistan. PSC has established various degrees Programmes. It also collaborates with other research institution in the field of research. The Centre disseminates knowledge through conferences, seminars and workshops for the benefit of academic community.

### VALUES

The faculty, students and staff of Pakistan Study Centre (PSC) profess a set of values that are fundamental to our institutions identity and image. Following values of the Centre provide basis for its practices:



- I. **Excellence:** Quest for excellence in teaching and research is the hallmark of all our efforts and initiatives.
- II. **Original Research:** In our research journal we encourage scholars to contribute the genuine scholarly works for publication.
- III. **Diversity:** Pakistan Study Centre encourages the diversity of opinions. We believe that diversity and inclusiveness are indispensable for learning and development.
- IV. **Creativity:** Pakistan Study Centre provides environment conducive for creativity and innovation. We value exchange of creative ideas and innovative ways of doing things.
- V. **Equality:** Pakistan Study Centre believes in equality of all. There is no discrimination on the basis of caste, creed, colour, religion or gender.
- VI. **Knowledge Advancement:** Pakistan Study Centre organizes conferences, seminars, workshops, lecture Programmes and conduct research to create new knowledge for the benefit of society.

#### RESEARCH JOURNAL PUBLICATIONS

The Pakistan Study Centre Jamshoro has published the following HEC recognized research journals 'Y' category during the year 2021:

- ❖ Biannual Research Journal Grassroots Vol.55, No. I, January-June 2021
- ❖ Biannual Research Journal Grassroots Vol.55, No. II, July-December 2021

The Pakistan Study Centre has published the following online research journal and magazines:

- Research Journal of Social Sciences, Vol. 19, December 2021
- Knowledge Corridor, Vol. I, No. I, January-March 2021
- Knowledge Corridor, Vol. II, No. I, April-June 2021
- Knowledge Corridor, Vol. III, No. I, July-September 2021

#### RESEARCH PUBLICATIONS

Faculty members of Pakistan Study Centre have significantly contributed to the field of research. Considerable number of research papers has been published by the faculty members of Pakistan Study Centre in national and international journals. **Forty-two** published articles are on the credit of **Dr. Shuja Ahmed Mahesar**, Professor and

Director; **nineteen** published articles are on the credit of **Mr. Mashooq Ali Khawaja**, Assistant Professor, and **three** published articles are on the credit of **Irshad Ali Burfat**, Teaching Assistant.

#### M.Phil & Ph.D. RESEARCH

Professor Dr. Shuja Ahmed Mahesar has produced five Ph.D. scholars and eleven M.Phil. scholars.

The Pakistan Study Centre has produced eighteen M.Phil. degrees and ten Ph.D. degrees. Three Ph.Ds. and twenty M.Phil. scholars are registered at Pakistan Study Centre.

Eleven research projects have been conducted by Pakistan Study Centre. For further details visit our website [www.pscsu.edu.pk](http://www.pscsu.edu.pk)

#### The teaching faculty comprises of the following:

Mahesar, Shuja Ahmed, Professor and Director and HEC approved Supervisor & Editor Biannual Research Journal *Grassroots* and *Research Journal of Social Sciences*

M.Sc. (QAU, Islamabad) 2001, Ph.D. (University of London, UK) 2012

Khawaja, Mashooq Ali, Assistant Professor

MA (SU) 1997, M.Phil. (QAU) 2002

Baloch, Farah,

MA (SU), Ph.D. (KU)

#### Visiting Faculty

Leghari, Farooque Ahmed, Assistant Professor

M.Sc. (QAU) 2005, Ph.D. (Malaysia) 2019

Channa, Abdul Razaque, Assistant Professor

M.Sc. Anthropology (QAU) 2004, M.Phil. (QAU) 2007, Ph.D. (The Australian National University, Australia-ANU) 2016

Khaskhelly, Farhan Zeb, Assistant Professor

MBA (SU), LLB (SU), Ph.D. (SU) 2018

Abbasi, Ishrat Afshan

MA (SU) 1999, M.Phil. (QAU) 2012, Ph.D. (University of Erfurt, Germany) 2018

Hakro, Humera

BS (SU), Ph.D. (SU)

Daudpoto, Muhammad Rafique  
M.Sc. (SU) 1998, Ph.D. (SU) 2019

Sahito, Muhammad Shoban  
MA (SU) 2003, Ph.D. (SU) 2021

Bhutto, Niaz Ahmed  
MA (SU) 2010, Ph.D. (SU) 2019

### DEGREE PROGRAMMES OFFERED AT PSC

The centre offers various degree Programmes including BS (4 Year), M.A., M.Phil. and Ph.D. (Pakistan Studies). Thus Pakistan Study Centre, University of Sindh has a distinction of being only institution in the country which has launched BS Programme in Pakistan Studies.

### BS (PAKISTAN STUDIES): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-130

Pre-requisite: Intermediate with 45% marks, Pre-Entry Test.

#### FIRST YEAR

<i>First Semester</i>		<i>C.H.</i>
PSC 300	English-I (Functional English)	3
PSC 301	Islamic Studies/Ethics	2
PSC 302	Basic Mathematics	3
PSC 303	Sindhi (General-I)	3
PSC 304	Muslim Struggle for Pakistan (1857-1947)	3
PSC 305	Geography of Pakistan	3

<i>Second Semester</i>		<i>C.H.</i>
PSC 306	English-II (Communication skills)	3
PSC 307	Computer Applications-I	2
PSC 308	Statistics Social Sciences	3
PSC 309	Economics	3
PSC 310	Political History of Pakistan (1947 to date)	3
PSC 311	Pakistani Society and Culture	3

#### SECOND YEAR

<i>Third Semester</i>		<i>C.H.</i>
PSC 400	English-III	3
PSC 401	Computer Applications-II	2
PSC 402	Land and Life in Sindh/ History of Sindh	3
PSC 403	Pakistani Society and Culture (Urban Life)	3
PSC 404	Economic Development of Pakistan	3
PSC 405	Pakistan's Foreign Policy	3

<i>Fourth Semester</i>		<i>C.H.</i>
PSC 406	Federation in Pakistan	3
PSC 407	Pakistani Languages and Literatures	3
PSC 408	Indus Valley Civilization	3
PSC 409	Local Self Government in Pakistan	3
PSC 410	Mass Media & Communication in Pakistan	3
PSC 411	Social Change and Development in Pakistan	3

#### THIRD YEAR

<i>Fifth Semester</i>		<i>C.H.</i>
PSC 500	Human Rights in Pakistan	3
PSC 501	Pakistani Languages and Literatures	3
PSC 502	Political Parties and Pressure Group	3
PSC 503	Legal System in Pakistan: Civil and Criminal	3
PSC 504	Water Resources and Immigration System	3

<i>Sixth Semester</i>		<i>C.H.</i>
PSC 505	Administrative System and Institutions	3
PSC 506	Pakistan: Government and Politics	3
PSC 507	Muslim Rule in Sub-continent (712-1526)	3
PSC 508	Research Methodology	3
PSC 509	Environmental Problems of Pakistan	3

#### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
PSC 600	Seminar on an Issue of National Importance	3
PSC 601	Pakistan's National Security: External & Internal Dynamics	3
PSC 602	Research Methodology	3
PSC 603	Urbanization in Pakistan	3
PSC 604	Muslim Rule in Sub-continent (1526-1857)	3
<b>Eighth Semester</b>		<b>C.H.</b>
PSC 605	Research Project and Comprehensive Viva Voce	6
PSC 606	Land, People and Economy of Pakistan	3
PSC 607	Disaster Management in Pakistan	3
PSC 608	Mystical Folk Heritage of Pakistan	3

#### MA (PAKISTAN STUDIES): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-80

Pre-requisite: B.A./B. Com/B.Sc. from HEC recognized University/Institution at least C Grade or Second Division.

#### FIRST YEAR

<b>First Semester</b>		<b>C.H.</b>
PSC 500	Indus Valley Civilizations	4
PSC 501	Political and Constitutional Development in Pakistan (1947 - 1971)	4
PSC 502	Geography of Pakistan	4
PSC 503	Pakistani Society and Culture (Rural Life)	4
PSC 504	Legal System and Institutions	4
<b>Second Semester</b>		<b>C.H.</b>
PSC 505	Muslim Rule in India (712 to 1857)	4
PSC 506	Political & Constitutional Development in Pakistan (1971 to date)	4
PSC 507	Pakistani Society and Culture (Urban Life)	4
PSC 508	Administrative System and Institutions	4
PSC 509	Pakistani Languages and Literature	4

#### SECOND YEAR

<b>First Semester</b>		<b>C.H.</b>
PSC 600	Muslim Nationalism in South Asia (1857-1947)	4
PSC 601	Foreign Policy of Pakistan	4
PSC 602	Economic Development in Pakistan	4
PSC 603	Research Methodology	4

#### Elective Courses:

Students are required to opt **one course** from the following optional courses during 1<sup>st</sup> semester:

<b>Elective Courses</b>		<b>C.H.</b>
PSC 604	Mystical Heritage of Pakistan (Sufi Orders)	4
PSC 604	Environmental Problems of Pakistan	4
PSC 604	Social Change and Development in Pakistan	4

<b>Second Semester</b>		<b>C.H.</b>
PSC 605	Land and Life in Sindh	4
PSC 606	Human Rights in Pakistan	4
PSC 607	Economic Problems in Pakistan	4
PSC 608	Muslim Political Thinkers in South Asia	4

#### Elective Courses:

Students are required to opt **one course** from the following optional courses during Second semester:

<b>Elective Courses</b>		<b>C.H.</b>
PSC 609	Bureaucracy, Military and Political System of Pakistan	4
PSC 609	Mystical Heritage of Pakistan (Sufi Poetry)	4
PSC 609	Term Paper	4

**Note:** Course outlines are available at the Pakistan Study Centre's website: [www.pscsu.edu](http://www.pscsu.edu).

## ABIDA TAHERANI SINDH DEVELOPMENT STUDIES CENTRE (ATSDSC)

Abida Taherani Sindh Development Studies Centre (ATSDSC) established in July 1985, provides undergraduate and postgraduate teaching in development economics and conducts socio-economic research and training on development-related issues, particularly in Sindh Province. Through collaborative research and training, ATSDSC maintains close links with several national and international research organizations. From 1991, it availed academic linkage with Wye College, University of London and benefited from the exchange of teachers and training of staff. The Centre housed in its purpose-built building is equipped with state-of-art resource and information unit, conference hall, computer and audio-visual facilities. The Centre provides four categories of expert services, which include Graduate and Post-Graduate Degree Programs, Academic Research Programs, Applied Research and Information Sharing.

The Centre is offering an M.Phil./Ph.D. in Development Studies and has recently produced 16 Ph.D. scholars. Presently, 08 students are enrolled in Ph.D. and 36 in MPhil. ATSDSC has produced its twelfth batch of the BS four years' program in Rural Development since 2009. This is a unique opportunity for students interested in acquiring fundamental knowledge of rural development issues, particularly related to socio-economic aspects of the rural and agriculture-based economy, in Pakistan and around the globe. The program mainly emphasizes theoretical, analytical and policy perspectives pertaining to agriculture, livestock, irrigation, fisheries, forests, gender and institutional aspects necessary for rural development.

In the year 2023, the Centre has offered a new BS four years' program in Disaster Management. This program is a golden opportunity for students interested in pursuing high-quality education related to disaster management issues, specifically in Pakistan and the world in the wake of frequent disasters during the last few decades. The program largely focuses on theoretical and analytical aspects pertaining to the management of natural disasters, like floods, earthquakes, landslides, forest fires, cyclones, droughts (and famine), and man-made disasters, like oil spills, mega transport accidents, violence (and conflicts), and traffic congestion, considering pre-and-post-disaster socio-economic, climate change and environmental issues relevant for policy making and implementation. Hence, this program aims to produce professionals and specialists for public and private sector institutes and organizations both at national and international levels, like National Disaster Management Authority (NDMA), PDMA, Pakistan Red Crescent Society, the UN office for Disaster Risk Reduction (UNDRR) in Pakistan, UNEP, USAID, and so on.

The teaching faculty comprises the following:

Talpur, Musharaf Ali, Assistant Professor and **Incharge Director**

M.Sc. Econ. (Q.A.U.) 1994 & M.Sc. Agril.Econ. (University of London) 1998, Ph.D. (Economics) UUM (Malaysia) in Process

Bughio, Raheel Maroof, Assistant Professor

M.Sc. Computer Tech. (S.U.) 1998 & M.Sc. R.D (S.U.) 2002

Baghal, Ghazala, Assistant Professor

MA Economics (S.U.) 2006, Ph.D. (US) 2019

Nosheen Abdul Raheem, Lecturer

MA Economics (S.U.) 2005, Ph.D. (Development Studies) (S.U.) in Process

### BS (RURAL DEVELOPMENT): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS)

#### CH-140

Pre-requisite: - H.S.C. or equivalent with 45%, Pre-Entry Test.

#### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENG 300	English I		3	ENG 301	English II		3
IS 302	Islamic Studies or Ethics for Non-Muslims		2	PK 303	Pakistan Studies		2
CS/STAT 306	Computer Skills/Statistics		3	CS/STAT 308	Computer Skills/Statistics		3
RD 310	Major - <b>Principles of Economics</b>		3	RD 312	Major - <b>Rural Change &amp; Policy</b>		3
	Minor- I		3		Minor- I		3
	Minor- II		3		Minor- II		3

## SECOND YEAR

First Semester			C.H.	Second Semester			C.H.
ENG 400	English III	3		ENG 401	English IV	3	
SIND/URD/402	Sindhi / Urdu	2		SIND/URD 403	Sindhi / Urdu	2	
GMATHS 408	General Mathematics/			ENVI/GSC 408	Environmental Science/	3	
GEOG/	Geography/ Culture &				General Science		
CIVZ 406	Civilization –I	3		RD 411	Major - Development	3	
RD 410	Major - Development &	3			Experience in Pakistan		
	Sustainability				Minor- I	3	
	Minor- I	3			Minor- II	3	
	Minor- II	3					

## THIRD YEAR

First Semester			C.H.	Second Semester			C.H.
RD 501	Gender & Development	4		RD 551	Development Change &	4	
RD 502	Small Project Design	4			NGO		
RD 503	New Institutional	4		RD 552	Micro Finance	4	
	Economics			RD 553	Marketing System and	4	
RD 504	Small Medium Enterprise	3			Development		
RD 505	Basic Statistics and	3		RD 554	Population, Health and	3	
	Mathematics				Infrastructure		
				RD 555	Livestock Development	3	

## FOURTH YEAR

First Semester			C.H.	Second Semester			C.H.
RD 601	Large Scale Project	4		RD 651	Water Policy	4	
	Design			RD 652	Environmental Theory	4	
RD 602	Local Government	4			& Policy		
	Devolution Plan			RD 653	Rural Poverty	4	
RD 603	Natural Resources	4		RD 654	Financial Management	3	
	Management				of Rural Enterprises		
RD 604	Agrarian Management	3		RD 655	Research/Technical Paper	3	
RD 605	Research Methods	3					

## BS (DISASTER MANAGEMENT): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS)

### CH-140

Pre-requisite: - H.S.C. or equivalent with 45%, Pre-Entry Test.

## FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENG 300	English I	3		ENG 301	English II	3	
IS 302	Islamic Studies or Ethics	2		PK 303	Pakistan Studies	2	
	for Non-Muslims			CS/STAT 308	Computer Skills/Statistics	3	
CS/STAT 306	Computer Skills/Statistics	3		MD 312	Major – Basic Science of	3	
MD 310	Major - Principles of				Natural Disasters		
	Economics	3			Minor- I	3	
	Minor- I	3			Minor- II	3	
	Minor- II	3					

## SECOND YEAR

First Semester			C.H.	Second Semester			C.H.
ENG 400	English III	3		ENG 401	English IV	3	
SIND/URD/402	Sindhi / Urdu	2		SIND/URD 403	Sindhi / Urdu	2	
GMATHS 408	General Mathematics/			ENVI/GSC 408	Environmental Science/		
GEOG/	Geography/ Culture &				(Climate Change &		
CIVZ 406	Civilization –I	3			Disasters)	3	
MD 410	Disasters, Development			MD 411	Disaster & Development		
	& Sustainability	3			Experience in Pakistan	3	
	Minor- I	3			Minor- I	3	
	Minor- II	3			Minor- II	3	

## THIRD YEAR

First Semester			C.H.	Second Semester			C.H.
MD 501	Fundamental of Disaster			MD 551	Principles of Disaster		
	Management	4			Planning & Management	4	
MD 502	Economics of Disasters	4		MD 552	Vulnerability & Disaster		
MD 503	Community Based Disaster				Risk Assessment Methods	4	
	Management	4		MD 553	Preparedness & Response		
MD 504	Natural Resources &				to Disasters	4	
	Disasters	3		MD 554	Health, Hygiene &		

MD 505	Basic Statistics and Mathematics	3	MD 555	Sanitation in Disaster Management	3
				GIS & Remote Sensing in Disaster Management	3

#### FOURTH YEAR

First Semester		C.H.	Second Semester		C.H.
MD 601	Project Management in Post-Disaster Situations	4	MD 651	Infrastructure Planning for Disaster Management	4
MD 602	Mitigation & Rehabilitation for Disasters	4	MD 652	Policies & Governance for Disaster Management	4
MD 603	Role of Media in Disaster Management	4	MD 653	Disasters & Rural Economy of Pakistan	4
MD 604	Gender Mainstreaming in Disaster Management	3	MD 654	Natural Hazards of Pakistan	3
MD 605	Research Approaches in Disaster Management	3	MD 655	Project/Dissertation on Disaster Issues in Pakistan	3

#### M.Sc. (DEVELOPMENT STUDIES): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: Bachelor degree in Social Sciences. Preferably with Economics, with at least "C" Grade or Second Division (The Programme will only be offered when the number of registered candidates is at least 15).

##### A. Core courses Requirements:

##### M.Sc. (PREVIOUS)

		C.H.
DS 500	Micro Economics-I	4
DS 501	Macro Economics-I	4
DS 502	Basic Mathematics & Statistics	4
DS 503	Development Economics	4
DS 504	Micro Economics-II	4
DS 505	Macro Economics-II	4
DS 506	Basic Econometrics	4

##### M.Sc. (FINAL)

		C.H.
DS 600	Project Planning Monitoring & Evaluation	4
DS 601	Research Methodology	4
DS 602	Environmental Economics for Development	4
DS 603	Agricultural Marketing	4
DS 620	Comprehensive Viva-Voce	4

##### B. (i) Elective Courses Requirements:

Any **ONE** course to be offered during First & Second Semester

		C.H.
DS 507	Agricultural Economics for Development	3
DS 508	Production Economics	3
DS 509	Computer Concepts & Application in Development	3

##### ii) Elective Courses Requirements in Final year:

Any **FOUR** courses to be offered

		C.H.
DS 604	Human Resource Development	3
DS 605	Gender Relations & Agrarian Change	3
DS 606	Economic Development in Pakistan	3
DS 607	Economics of Water Resources	3
DS 608	Development Policy of Pakistan	3
DS 609	Natural Resources Economics	3



**M.Sc. (RURAL DEVELOPMENT): 2 YEARS DISTANCE LEARNING OFF-CAMPUS  
DEGREE PROGRAMME CH-66**

Pre-requisite: - M.A. in Social Sciences or B.E. / B.Sc. Agri./ M.B.B.S/ D.V.M/ BS four-year degree in related discipline.

The two year Programme is designed to develop professional skills in the field of Social, Economic and agricultural development, particularly in rural areas. Interested candidates may contact the Director of the Centre for details.

**FIRST YEAR**

C.H.		
RD-701	Agricultural Economics for Development	(Compulsory)
RD-702	Project Planning, Monitoring and Evaluation	(Compulsory)
RD-703	Economics of Water Resources	(Compulsory)
Students can select any <b>ONE</b> of the following optional in the First year:		
RD-704	Gender Relations and Rural Change	(Optional-1)
RD-705	Business Management for Agricultural Enterprises	(Optional-2)
RD-706	Managing Agricultural Development	(Optional-3)

**SECOND YEAR**

C.H.		
RD-707	Economic and Social Survey Methods and Data Analysis	(Compulsory)
RD-708	Environmental Management in Agricultural Development	(Compulsory)
RD-709	Thesis/Dissertation	(Compulsory)
Students can select any <b>ONE</b> of the following optional in the Second year:		
RD-710	NGO and Development	(Optional-1)
RD-711	Livestock Development	(Optional-2)
RD-712	Policy Analysis for Agricultural Sector	(Optional-3)

## INSTITUTE OF GENDER STUDIES

The Institute of Gender Studies, University of Sindh, Jamshoro was established by the University of Sindh, in 1994, since that day, it has contributed to the cause of gender and development in Sindh province. The Institute has launched postgraduate academic Programmes in Women Studies, Gender Studies and Home Economics and have organised several continuing educational Programmes at Jamshoro, Hyderabad as well as in rural areas for the training and capacity building of various clientele groups including women, academic administrative staff, political leadership and gender and development professionals. Apart from this, the Institute has started classes for postgraduate diploma in Community Development from 2005. Since 2009, the Institute of Gender Studies produces an Annual Research Journal **"THE WOMEN"** (Recognized by Higher Education Commission Islamabad).

In addition, "Women Studies and Gender Studies I and II" are also being offered as Minor subjects for students of other disciplines in Social Sciences and various Programmes of short certificate courses have been introduced in this institute. Moreover, The Institute has also started two new Programmes, BS 4 Year Degree and MS/M.Phil. Degree in Gender Studies from 2014, and started (Ph.D.) Degree in Gender Studies from 2016.

### The teaching faculty comprises the following:

#### Qureshi, Misbah Bibi, Professor and Director

M.Sc. Psychology (S.U) 1995, M.Phil. Psychology (S.U.) 2000, MA (Gender Studies) (Leeds, England) 2004 and Ph.D. (Gender Studies) (Leeds, England) 2012

#### Buriro, Ameer Ali, Assistant Professor

MA (Social Work) (S.U.) 2004, Ph.D. Gender Studies (USM, Malaysia) 2020

#### Gopang, Najma, Lecturer

MA Economics (S. U) 2000, Diploma in Gender Studies (AIU) 2006, Ph.D. (Gender Studies) (in progress)

#### Soomro, Sadaf Saeed, Lecturer

M.Sc. Home Economics (S. U) 2006, Ph.D. (Gender Studies) (in progress)

#### Rajar, Aftab Hussain, Lecturer

MBA Human Resource (S.U.) 2002, Ph.D. (Gender Studies) (in progress)

### BS (GENDER STUDIES): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-134

Pre-requisite: - H.S.C. or equivalent at least 45% Marks and Pre Entry Test

#### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENG 300	English	3		ENG 301	English	3	
IS 302	Islamic Studies / Ethics	2		PS 303	Pakistan Studies	2	
	for Non- Muslims			COMP/ STAT 308	Computer Skills/ Statistics	3	
COMP/ STAT 306	Computer Skills/ Statistics	3		GS 312	Women in Islam and the	3	
GS 310	Introduction to Gender Studies	3			Contemporary World		
	Minor-I	3			Minor-I	3	
	Minor-II	3			Minor-II	3	

#### SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENG 400	English	3		ENG 401	English	3	
SIND/URD 402	Sindhi/Urdu	2		SIND/URD 403	Sindhi/Urdu	2	
GEOG/CIV 406	Geography/ Culture	3		RD/GES/ENVI 408	Rural Development/ General	3	
	Civilization				Science/Environmental Science		
GS 410	Gender & Education	3		GS 412	Violence against Women /	3	
	Minor-I	3			Gender		
	Minor-II	3			Minor-I	3	
					Minor-II	3	

### THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
GS 501 Feminist Research	3	GS 551 Women & Economic Empowerment	3
GS 502 Gender issues in Psychology	3	GS 552 Women and Health in the context of Pakistan	3
GS 503 Women's History in South Asia	3	GS 553 Internship in Gender Studies	3
GS 504 Women and Feminist Movements	3	GS 554 Social Construct of Masculinities	3
GS 505 Status of Women in Pakistan	3	GS 555 Gender, Islamic Laws & Human Rights	3

### FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
GS 601 Gender and Environment	3	GS 651 Gender and Development	3
GS 602 Women and Work	3	GS 652 Feminist theories and Research	3
GS 603 Gender, Sexuality and Society	3	GS 653 Gender and Politics	3
GS 604 Women & Peace Building	3	GS 654 Research Project	6
GS 605 Counseling for women in Distress	3	GS 655 Women Technology & Entrepreneurship	3
		GS 660 General Viva-Voce (Compulsory)	3

### M.Sc. (HOME ECONOMICS): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS)

#### CH-66

Pre-requisite: - B.Sc. Home Economics

#### FIRST YEAR (PREVIOUS)

<i>First Semester</i>	<i>C.H.</i>
MHE 502 Statistics-I	3
MHE 504 Research Methods-I	3
MHE 506-507 Advanced Nutrition-I (Specialization in Food and Nutrition)	2+1
MHE 508-509 Biochemistry-I (Specialization in Food and Nutrition)	2+1
MHE 510-11 Food Microbiology-I (Specialization in Food and Nutrition)	2+1

<i>Second Semester</i>	<i>C.H.</i>
MHE 512 Statistics-II	3
MHE 514 Research Methods-II	3
MHE 516-517 Advanced Nutrition-II (Specialization in Food and Nutrition)	2+1
MHE 518-519 Biochemistry-II (Specialization in Food and Nutrition)	2+1
MHE 520-521 Food Microbiology-II (Specialization in Food and Nutrition)	2+1

#### SECOND YEAR (FINAL)

<i>Third Semester</i>	<i>C.H.</i>
MHE 602-603 Home Economics Education-I (Specialization in Food and Nutrition)	3+1
MHE 604-605 Advanced Dietetics-I (Specialization in Food and Nutrition)	3+1
MHE 606-607 Food Technology-I (Specialization in Food and Nutrition)	3+1
MHE 608 Economic System of Islam	4

<b>Fourth Semester</b>		<b>C.H.</b>
MHE 620-621	Home Economics Education-II ( <b>Specialization in Food and Nutrition</b> )	3+1
MHE 622-623	Advanced Dietetics-II ( <b>Specialization in Food and Nutrition</b> )	3+1
MHE 624-625	Food Technology-II ( <b>Specialization in Food and Nutrition</b> )	3+1
MHE 626	Institutional Management	4
MHE 630	Project & Comprehensive Viva- Voce ( <b>Specialization in Food and Nutrition</b> )	4

**MA (WOMEN DEVELOPEMENT STUDIES): 2 YEARS DEGREE PROGRAMME  
(4 SEMESTERS) CH-66**

Pre-requisite: - Bachelor Degree in any discipline preferably in Social Sciences

**FIRST YEAR (Previous)**

<b>First Semester</b>		<b>C.H.</b>
WS 501	Introduction to Women Studies3	
WS 502	Feminist Research-I	3
WS 503	Women's History in South Asia	3
WS 504	Social Contract of Gender	3
WS 505	Gender & Development International Strategies	3
<b>Second Semester</b>		<b>C.H.</b>
WS 506	Women's Movement in Global Perspective	3
WS 507	Feminism Research- II	3
WS 508	Women in Islam	3
WS 509	Gender & Development Planning in Pakistan	3
WS 510	Women & Development in Third World Countries	3

**SECOND YEAR (Final)**

<b>Third Semester</b>		<b>C.H.</b>
WS 600	Women & Law in Pakistan-I	4
WS 601	Women & Environment	4
WS 602	Women & Media	4
WS 603	Women & Health	4
<b>Fourth Semester</b>		<b>C.H.</b>
WS 604	Women & Law in Pakistan-II	4
WS 605	Women, Technology & Entrepreneurship	4
WS 606	Women & Media-II	4
WS 607	Women & Work	4
WS 630	Thesis & Comprehensive Viva- Voce	4

## DEPARTMENT OF ECONOMICS

Economics is concerned with the way individuals or societies allocate scarce resources and distribute goods and services. Any situation requiring choice among competing alternatives can be viewed as an economic problem. Economics courses enable students to study the way individuals make these choices (microeconomics), the way governments make these choices (public choice), and the aggregate consequences of these choices (macroeconomics). In addition, the Economics curriculum addresses international trade, money and banking, and economic development of the less developed nations.

The Department of Economics is one of the oldest Departments of the University; it was established in the year 1953-54 and recognized nationwide for its importance in the teaching excellence and prospective research activities. The department of Economics is largest one in the faculty of Social Sciences in terms of students' enrollment which stands close to 660. At present department consists of 15 faculty members and most of them have to their credit education and training from reputed Universities of Pakistan as well as from abroad.

The Department offers BS 4 year Programme in economics and 2-year master in economics.

An important aspect of the department's educational approach is the emphasis placed on students' involvement in research, independent study and the creative process as complements to classroom study as well as independent research in laboratories, field study, participation in writing workshops. The Department integrates into the curriculum Programmes and courses which involve students in original research and creative activities.

The different Programmes and courses of Economics aim to:

- Introduce the students to an understanding of the domain of economics as a social theory.

- Introduce the students to the main analytical tools which are used in economic analysis.
- To introduce to students, the main conclusions derived from economic analysis and to develop understanding of their organizational and policy implications.
- To enable students in participating in debates on economics matters.

### **Seminar Library and Electronic study materials:**

All of the printed materials of economics are available at seminar library Department of Economics, also there is a computer lab where all the resources are available to download related materials, to give you flexibility in how and where you study total number of books of seminar library Department of Economics are approximately 8500.

### **The Faculty**

Faculty members in the Department of Economics have research and teaching interests that span a broad range of fields. In addition to their strength in micro theory, macroeconomics and econometrics, the Department has expertise in many applied fields, including economic history, industrial organization, international economics, labor economics, public choice and public finance, transportation economics and urban economics. Members of the Department maintain close ties with members of the Department of Political Science the Departments of Statistics and The Business Faculty.

### **The teaching faculty comprises the following:**

**Chandio, Rafique Ahmed, Professor and Chairman**

MA (S.U.) 1994, Ph.D. (London, UK) 2006

**Nanik Ram, Professor**

MA (S.U.) 1989, M.Phil. (SALU) 2002, Ph.D. (SALU) 2010

**Khaskhelly, Ambreen Zeb, Professor**

M.Sc. (S.U.) 1999, MA (S.U.) 2002, M.Sc. (RD) 2003, Ph.D. (SU) 2013

Mirza, Albeena, Professor  
MA (S.U.) 1989, Ph.D. (SU) 2016

Shaikh, Najma, Professor  
MA (S.U.) 1989, Ph.D. (SU) 2016

Gilal, Muhammad Akram, Associate Professor  
M.Sc. (QAU) 2000, Ph.D. (Glasgow University, UK) 2012

Shaikh, Erum Khushnood, Associate Professor  
MA (S.U.) 1999, Ph.D. (S.U.) 2015

Pirzada, Imtiaz Ahmed, Assistant Professor  
M.Sc. (QAU) 1987, Ph.D. (SALU) 2018

Soomro, Sikandar Hussain, Assistant Professor  
MA (S.U.) 1995

Talpur, Urooj, Assistant Professor  
MA (S.U.) 2000, Ph.D. (S.U.) 2019

Khowaja, Imdad Ali, Assistant Professor  
MA (S. U) 1989, M.B. A 1994, M.Phil. (S.U.) 2005, Ph.D. (S.U.) 2012

Pasha, Muhammad Ali, Assistant Professor  
MA (SU) 2006, Ph.D. (SALU, Khairpur) 2018

Bhutto, Mehwish, Assistant Professor  
MA (SU) 2008

Khushik, Ali Gul, Assistant Professor  
M.Sc. (Q.A.U) 2002, Ph.D. (S.U.) 2017

Nizamani, Abdul Rahman, Assistant Professor  
MA (SU) 2009, Ph.D. (Malaysia) 2018

### BS (ECONOMICS): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-130

Pre-requisite: H.S.C. with Science/ Commerce OR Humanities group, with Economics & Pre-Entry Test.

#### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ECO 101	English - I		3	ECO 107	English - II		3
ECO 102	Principles of Micro Economics		3	ECO 108	Principles of Micro Economics		3
ECO 103	Islamic Studies		2	ECO 109	Pakistan Studies		2
ECO 104	Mathematics - I		3	ECO 110	Mathematics - II		3
ECO 105	Introduction to Computer		3	ECO 111	Optional (Non-Economics)		3
ECO 106	Optional (Non-Economics)		3	ECO 112	Optional (Non-Economics)		3

#### SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ECO 201	English - III		3	ECO 207	English - IV		3
ECO 202	Intermediate of Microeconomics		3	ECO 208	Intermediate of Microeconomics		3
ECO 203	Development Economics		3	ECO 209	Statistics - II		3
ECO 204	Statistics - I		3	ECO 210	World Economic History		3
ECO 205	Optional (Non-Economics)		3	ECO 211	Optional (Non-Economics)		3
ECO 206	Optional (Non-Economics)		3	ECO 212	Optional (Non-Economics)		3

#### THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
ECO 301	Microeconomics		3	ECO 306	Economic Growth		3
ECO 302	Macroeconomics		3	ECO 307	Econometrics - I		3

ECO 303	Mathematical Economics - I	3	ECO 308	Mathematical Economics - II	3	23.	Urban Economics	24.	Regional Economics
ECO 304	Issues in Pak Economy	3	ECO 309	Elective - I	3	25.	Poverty and Economic Distribution	26.	Energy Economics
ECO 305	Optional (Non-Economics)	3	ECO 310	Elective - II	3	27.	Economics of Educations	28.	Agricultural Economics

#### FOURTH YEAR

Seventh Semester		C.H.	Eighth Semester		C.H.
ECON 401	International Trade Theory	3	ECON 406	Entrepreneurial Economics	3
ECON 402	Research Methods	3	ECON 407	Entrepreneurial Economics	3
ECON 403	Public Sector Economics	3	ECON 408	Monetary Economics	3
ECON 404	Econometrics - II	3	ECON 409	Elective - IV	3
ECON 405	Elective - III	3	ECON 410	Elective - V	3

#### List of Elective Courses

01. Research Project / Internship	02. Institutional Economics
03. Welfare and Happiness Economics	04. Labour Economics
05. Population Economics	06. Comparative Economics System
07. Project Appraisal and Investment Analysis	08. Environmental & Natural Resource Economics
09. Dynamic Macro Economics	10. Public Policies
11. Rural Development	12. Ethics in Economics
13. International Finance	14. Development Policy
15. Institutional Economics	16. Financial Markets
17. Managerial Economics	18. Political Economy
19. Industrial Economics	20. Transport Economics
21. Health Economics	22. Experimental and Behavioural Economics

#### MA (ECONOMICS): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-57

Pre-requisite: Bachelor (Pass) degree preferably with Economics as one of the elective subjects.

#### MA (PREVIOUS)

FIRST & SECOND SEMESTER		C.H.
ECO 500-550	Advanced Micro Economics	3+3
ECO 501-551	Advanced Macro Economics	3+3
ECO 502-552	International Economics	3+3
ECO 503-553	Economic Statistics	3+3
ECO 504-554	Monetary Economics & Public Finance-I & II	3+3

#### MA (FINAL)

FIRST & SECOND SEMESTER		C.H.
ECO 600-650	Mathematical Statistics	3+3
ECO 601	Economic Development and Planning	3
ECO 602	Marketing	3
ECO 603	History of Economic Thought	3
ECO 651	Managerial Economics	3
ECO 652	Agricultural Economics	3
ECO 653	Research Methodology	3
ECO 655	Comprehensive Viva-Voce	3



**BS (ECONOMICS AND FINANCE): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-130**

Pre-requisite: H.S.C with 45% or Equivalent and Pre-Entry Test.

**FIRST YEAR**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
English - I	3	English - II	3
Principles of Microeconomics	3	Pakistan Studies	2
Islamic Studies/Ethics	2	Principles of Microeconomics	3
Basic Mathematics	3	Mathematical Economics	3
Principles of Accounting	3	Principles of Management	3
Introduction to Commerce	3	Diversification IV	3

**SECOND YEAR**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
English - III	3	English - IV	3
Intermediate Microeconomics	3	Microeconomics Analysis	3
Statistics - I	3	Introduction to Computer	3
Intermediate Microeconomics	3	Macroeconomics Analysis	3
Diversification V	3	Diversification VII	3
Diversification VI	3	Diversification VIII	3

**THIRD YEAR**

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
Financial Economics-I	3	Financial Economics-II	3
International Economics	3	Monetary Economics	3
Investment and Portfolio	3	Economics of Money & Banking	3

Management		Research Methodology	3
Statistics - II	3	Econometrics of Time Series	3
Basic Econometrics	3	and Panel Data	

**FOURTH YEAR**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
International Finance	3	Corporate Finance	3
Principles of Risk Management	3	Corporate Governance	3
Option - I	3	Option - III	3
Option - II	3	Option - IV	3
Research Project - I	3	Research Project - II	3

## DEPARTMENT OF HISTORY

The Department of History is one of the oldest Departments of the University of Sindh. Initially this department was spatially attached with the Department of Economics and then with the Department of Political Science. It however, gained its independent status in February 1959. In September 1971 the Departments of General History and Muslim History were merged under the name of History. Again in 1978 it was bifurcated into General History and Muslim History. The curricula of General History have been revised and updated from time to time. The Department offers twenty-six courses for the 4-year BS degree Programme, providing advanced and upto-date knowledge of Historiography & Research Methodology, Muslim Rule in South Asia, History of Modern Europe, History of Modern Muslim World, and the History of Pakistan, particularly Sindh. This department has also started M.Phil. Programme. The students of this Department under the guidance of their teachers have formed "Historians Forum". The forum provides opportunity of debates and discussion on important topics.

### The teaching faculty comprises the following: -

**Shaikh, Irfan Ahmed, Assistant Professor & Incharge Chairman**  
M.Sc. History (QAU) 1997, Ph.D. in History and Civilization (International Islamic University, Malaysia) 2017

**Khatti, Deedar Hussain, Assistant Professor**  
MA History (S.U.) 1996

**Rehana Kausar, Lecturer**  
MA History (KU) 2001

**Jatoi, Bashir Ahmed, Lecturer**  
M.Sc. History (QAU) 2007, M.Phil. (QAU) 2014

**BS (GENERAL HISTORY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-133**  
Pre-requisite: H.S.C. or equivalent. Pre-Entry Test

### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENG 300	English	3		ENG 301	English	3	
IS/ ET 302	Islamic Studies/Ethics for Non- Muslims	2		PS 303	Pakistan Studies	2	
CS/STAT 306	Computer Skills/Statistics	3		CS/STAT 308	Computer Skills/ Statistics	3	
GH 310	History of Muslim Rule in South Asia (711-1526)	4		GH 312	History of Muslim Rule in South Asia (1526-1707)	3	
GH 350	Minor-I	3		351	Minor-I	3	
GH 350	Minor-II	3		351	Minor-II	3	

### SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENG 400	English	3		ENG 401	English	3	
SIND/URD 402	Sindhi /Urdu	2		SIND/URD 403	Sindhi /Urdu	2	
GS/GEOG/ CIV406	General Mathematics/ Geography/Civilization	3		RD/ENVI/ GSC 408	Rural Development/ Environmental Science/ General Science	3	
GH 410	History of Europe (1453-1789)	4		GH 412	History of Europe (1789-1870)	4	
GH 450	Minor-I	3		GH 451	Minor-I	3	
GH 450	Minor-II	3		GH 451	Minor-II	3	

### THIRD YEAR

Fifth Semester			C.H.
GH 500	Research Methodology	3	
GH 502	An outline of the World History (From Earliest Times up to the beginning of the Middle ages)	3	
GH 504	History of Europe (1870-1919)	3	
GH 506	History of Muslim Rule in South Asia (Socio-Economic History, 1206-1707)	3	
GH 508	History of Sindh (Ancient times to Sammas)	3	

**Sixth Semester** **C.H.**

GH 501	Philosophy of History and Historiography	3
GH 503	An outline of the World History (Middle ages to Modern World)	3
GH 505	History of Europe (1919-1945)	3
GH 507	History of Muslim Rule in South Asia (1707-1857)	3
GH 509	History of Sindh (Arghuns to Talpurs)	3

**FOURTH YEAR**

**Seventh Semester** **C.H.**

GH 612	Ancient History of India (Aryans to Greek Invasions)	3
GH 614	History of British Rule in India (1757-1857)	3
GH 616	History of Modern Sindh (1843-1900)	3
GH 618	History of Freedom Movement (1857-1906)	3
GH 620	An Introduction to Archaeology of Sindh	3

**Eighth Semester** **C.H.**

GH 613	Ancient History of India (Mauriya Empire to Gupta Kingdom)	3
GH 615	History of British Rule in India (1857-1947)	3
GH 617	History of Modern Sindh (1900-1947)	3
GH 619	History of Freedom Movement (1906-1947)	3
GH 622	Research Project & Viva Voce	6

**MA (GENERAL HISTORY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66**

Pre-requisite: Bachelor (Pass) degree, preferably with General History as one of the elective subjects.

**C.H.**

GH 500-501	Philosophy of History (Research Methodology, Historiography)	4+4
GH 502-503	An outline of the World History	3+3
GH 504-505	History of Europe	3+3
GH 506-507	History of Sindh	3+3
GH 508-509	History of Muslim Rule in South Asia (712- 1526 A.D.)	3+3
GH 600-601	History of Modern Sindh 1843-1947	4+4
GH 602-603	History of Modern Europe 1878-1960 A.D.	4+4
GH 604-605	History of Modern Muslim World 1919-1962	4+4
GH 606-607	History of Muslim Rule in South Asia 1526- 1857 A.D.	4+4
GH 610	Comprehensive Viva-Voce	2

## DEPARTMENT OF INTERNATIONAL RELATIONS

The Department of International Relations enjoys the distinction of having been established in 1972, under the directive of the then Prime Minister of Pakistan Mr. Z.A. Bhutto, in order to infuse fresh blood in the Ministry of Foreign Affairs of the country. Over the years, the department has focused its attention on teaching and research on the pattern of International Politics, from historical and empirical aspects. It is considered to be one of the largest departments with a highly qualified and dedicated Staff in the country. Several of the graduates of this department are working as academics, civil servants, diplomats, media-men and bankers, etc. at home and abroad.

### The teaching faculty comprises the following:

**Abbasi, Ishrat Afshan, Assistant Professor**  
MA (S. U) 1999, M.Phil. (Q.A.U) 2012, Ph.D. (University of Erfurt, Germany) 2018

**Ghumro, Ali Khan, Assistant Professor**  
M.Sc. (Q.A.U) 1998, Ph.D. (in Progress)

**Nizamani, Siraj Ahmed, Assistant Professor**  
M.Sc. (Q.A. U) 2007, M.Phil. (Q.A.U) 2011, Ph.D. (in Progress)

**Sandano, Imran Ali, Assistant Professor**  
MA (S. U) 2006, M.Phil. (National Defence University, Islamabad) 2011, Ph. D (Zhejiang University, China) 2017

**Leghari, Farooque Ahmed, Assistant Professor**  
M.Sc. (Q.A.U) 2005, Ph.D. (University Kebangsaan Malaysia "University of Malaysia") 2019

**Sahito, Muhammad Shahban, Lecturer**  
MA (S.U.) 2003, Ph.D. (S.U) 2021

**Hakro, Humera, Lecturer**  
BS International Relations (S.U.) 2010, Ph.D. (S.U) 2021

### BS (INTERNATIONAL RELATIONS): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-142

Pre-requisite: H.S.C. or equivalent and Pre-Entry Test

#### FIRST YEAR

<i>First Semester</i>	<i>C.H.</i>
ENG 300 English-I	3
IS/ET 302 Islamic Studies/Ethics for Non- Muslims	2
CS 306 Computer Skills	3
IR 310 International Relations	3
IR 307 Introduction to Sociology	3
IR 308 Introduction to Philosophy	3

<i>Second Semester</i>	<i>C.H.</i>
ENG 301 English-II	3
PS 303 Pakistan Studies	2
MATH 308 Introduction to Mathematics	3
IR 312 Evolution of State System	3
IR 313 Introduction to Media and Communication	3
IR 314 Ancient Greek and Western Political Thought	3

#### SECOND YEAR

<i>Third Semester</i>	<i>C.H.</i>
ENG 400 English-III	3
STAT 406 Introduction to Statistics	3
IR 410 International Relations since 1648-1945	3
IR 411 Approaches and Theories of International Relations	3
IR 407 Introduction to Economics	3
IR 408 Introduction to History of Europe	3

<i>Fourth Semester</i>	<i>C.H.</i>
ENG 401 English-IV	3
IR 412 International Relations since 1945	3
IR 413 Geo-Political Structure of the World	3
IR 414 Globalization and International Relations	3
IR 415 Public International Law-I	3
IR 416 Constitutional Development in Pakistan	3

### THIRD YEAR

<b>Fifth Semester</b>		<b>C.H.</b>
IR 501	Introduction to International Security	3
IR 502	Public International Law-II	3
IR 503	Regional and International Organizations	3
IR 504	Research Methodology	3
IR 505	Foreign Policy Analysis	3
IR 506	International Political Economy	3
<b>Sixth Semester</b>		<b>C.H.</b>
IR 551	Foreign Policy of Pakistan	3
IR 552	Strategic Studies	3
IR 553	Diplomacy	3
IR 554	Peace Studies	3
IR 555	Government and Politics of Pakistan	3
IR 556	Comparative Politics	3

### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
IR 601	International Politics of Human Rights	3
IR 602	Conflict Management and Resolution-I	3
IR 603	Comparative Foreign Policies of US, Russia and China	3
IR 604	Research Thesis	3
IR 605	South Asian Studies	3
IR 606	East Asian Studies	3
<b>Eighth Semester</b>		<b>C.H.</b>
IR 651	Regional Connectivity and CPEC	3
IR 652	Dynamics of Kashmir Conflict	3
IR 653	International Politics of Environment	3
IR 654	Research Thesis	3
IR 655	Middle East Studies	3
IR 656	Gender in International Relations	3

### MA (INTERNATIONAL RELATIONS): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: Bachelor (Pass) degree, preferably with International Relations as one of the elective subjects.

IR 501-551	Concept & Principles of International Relations	3+3
IR 502-552	International Institutions	3
	International Humanitarian Law	3
<b>OR</b>		
IR 556	Human Rights in International Relations	3
IR 503-553	International Political Economy	3+3
IR 504	Foreign Policy Analysis	3
IR 554	Foreign Policy of Pakistan	3
IR 505	Diplomatic History of International Relations (1914-1945)	4
IR 555	Research Methodology in International Relations	4
IR 601-651	Defence & Strategic Studies	4+4
IR 602-652	International Law	4+4
IR 603-653	International Relations since 1945	4+4
IR 604-654	Area Studies	4+4
IR 660	Comprehensive Viva-Voce	2

## DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE & ARCHIVE STUDIES

The Department of *Library* and Information Science and Archive Studies, University of Sindh, Jamshoro is the third oldest institution imparting Library and Information Science education in Pakistan. It was established in 1965 with the Certificate Course, which in 1966 was upgraded to Diploma Course (undergraduate level). These courses in fact gave great impetus to the introduction of Postgraduate Diploma in Library and Information Science in 1970 and finally Master in Library science in 1974. This Department is also offered as an optional/minor subject of Library Science at the undergraduate level. The BS (4-Year) PROGRAMME in Library and Information Science was introduced from the Academic Session 2014. The Department launched M.Phil. and Ph.D. Programme in 2007

### The teaching faculty comprises of the following: -

Subhopoto Nisar Ahmed, Professor & Chairman  
M.L.I.S. 1990, Ph.D. 2006 (S.U.)

Bhatti Arif Ali, Assistant Professor  
M.L.I.S. 2004 (S.U.)

### BS (LIBRARY AND INFORMATION SCIENCE): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-131

Pre-requisite: H.S.C or equivalent, Pre-Entry Test.

#### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 300 English	3	ENG 301 English-II	3
PK 302 Pakistan Studies	2	IS 303 Islamic Studies / Ethics	2
CS 304 Introduction to Computer	3	MATH 305 Mathematics	3
PD 306 Minor- I (Personality Development)	3	ECON 307 Minor- III (Economics)	3
		GEOG 309 Minor- IV (Environmental	3

AR 350 Minor- II (Languages: Arabic / Persian)	3	Geography)	
LIS 311 Information, Library & Society	3	LIS 321 Evolution of Libraries & Information Sources	3

#### SECOND YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 400 English-III	3	ENG 401 English-IV (Grammar)	3
STAT 402 Basic Statistics	3	SOC 405 Minor- VII (Sociology)	3
MC 403 Minor-V (Mass Communication)	3	LIS 421 Use of Emerging Technologies in Library	3
ARCH 404 Minor- VI (Archaeology)	3	LIS 422 Organization of Information	3
LIS 411 User Services in Libraries	3	LIS 423 Basic Reference Sources	3

#### THIRD YEAR

First Semester	C.H.	Second Semester	C.H.
LIS 501 Management of Library & Information Services	3	LIS 521 Quantitative Research Methods	3
LIS 502 Introduction to Publishing and Book Trade	3	LIS 523 Applied Cataloguing	3+1
LIS 503 Applied Classification	3+1	LIS 524 Library Automation Systems	3+1
LIS 504 Research Methodology	3	LIS 525 Information Literacy	3
LIS 505 Marketing of Library and Information Services	3	LIS 526 Collection Development & Management	3

#### FOURTH YEAR

<b>First Semester</b>		<b>C.H.</b>
LIS 601	Library & Information Services in Pakistan	3
LIS 602	Indexing and Abstracting	3
LIS 603	Resource Sharing and Networking	3
LIS 604	Qualitative Research Methods	3

#### **Elective Course Requirements:**

(Any Two Courses during the First Semester of Fourth Year)

<b>Elective Courses</b>		<b>C.H.</b>
LIS 605	Bibliographical Control	3
LIS 606	Digital Library	3
LIS 607	Information Sources on Science, Technology, Humanities, Islam and Pakistan	3
LIS 608	Intellectual Property Rights	3
LIS 609	Project Management	3
LIS 610	Serial Management	3
LIS 613	Databases Design & Management	3

<b>Second Semester</b>		<b>C.H.</b>
LIS 623	Internship	3
LIS 624	Information Storage and Retrieval	3+1
LIS 625	Research Project	3

#### **Elective Course Requirements:**

(Any Two Courses during the Second Semester of Fourth Year)

<b>Elective Courses</b>		<b>C.H.</b>
LIS 626	Web Development	3
LIS 637	Knowledge Management	3
LIS 628	Human Resource Management	3
LIS 629	Financial Management	3
LIS 630	Archives & Records Management	3
LIS 633	Preservation & Conservation of Library Material	3
LIS 634	Media Librarianship	3



## DEPARTMENT OF MEDIA & COMMUNICATION STUDIES

The Department of Media and Communication Studies was founded in 1977 as the Department of Journalism. Then it was renamed as the Department of Mass Communication in 1985. However, considering the latest job-market requirements, this department was again renamed as "THE DEPARTMENT OF MEDIA AND COMMUNICATION STUDIES" in the year 2013. It trains students for career in the fields of communication and journalism offering 4-year BS and 2-year Master of Arts (MA) degree Programmes in Media and Communication Studies. The courses of both Programmes have been designed to provide professional education with theory-cum-research and practice oriented approach in every day life like situation and meet the needs of the job-market and professional fields i.e., print media, electronic media, journalism, advertising, public relations and development support communication.

The Department has a well stocked seminar library with a fine collection of more than 3500 latest books, periodicals and also has two well-equipped media laboratories, comprising sufficient number of computers, well-established TV Studio, video cameras, editing processors, tape recorders, multimedia projectors and laser printers etc.

Moreover, to train the students to be media practitioners, this department publishes two publications i.e weekly newspaper "Roshni" and monthly magazine "Shaoor", both trilingual (English, Sindh and Urdu). Therefore, the students are required to report and write news stories, columns, articles and features for weekly newspaper 'Roshni' and monthly magazine 'Shaoor'. Additionally, under these Programmes students are treated as student *journalists* who would one day be called upon to accept the responsibilities for administrative or supervisory positions in national and international media organizations.

### The teaching faculty comprises the following:

Qureshi, Zulfiqar Ali, Associate Professor and **Chairman**

MA Mass Communication (S.U.) 1989, Ph.D. (S.U.) 2017

Memon, Bashir Ahmed, Professor

MA Mass Communication (S.U.) 2000, Ph.D. (UK) 2011

Nizamani, Muhammad Qasim, Assistant Professor

MA Mass Communication (S.U.) 2002, Ph.D. (Malaysia) 2019

Soomro, Muhammad Siddique, Assistant Professor

MA Mass Communication (S.U.) 2002, M.Phil. (S.U.) 2021

Chhachhar, Abdul Razaque, Assistant Professor

MA Mass Communication (S.U.) 2003, MS (Malaysia) 2014, Ph.D. (China) 2017

Shaikh, Shazia Shahab, Assistant Professor

MA Mass Communication (S.U.) 2004, Ph.D. (KU) 2017

Memon, Farheen Ashfaque, Assistant Professor

MA Mass Communication (S.U.) 2005, Ph.D. (Malaysia) 2018

Pahore, Muhammad Ramzan, Assistant Professor

MA Journalism (SALU) 2006, Ph.D. (Malaysia) 2019

Umrani, Liaquat Ali, Lecturer

MA Mass Communication (S.U.) 2005, M.Phil. (S.U.) 2019

Solangi, Jan-e-Alam, Lecturer

MA Mass Communication (S. U) 2005, M.Phil. (S.U.) 2017

Shahani, Yusra, Lecturer

MA Mass Communication (S.U.) 2012, M.Phil. (S.U.) 2022

### BS (MEDIA & COMMUNICATION STUDIES): 4-YEAR DEGREE PROGRAMME

#### (8-SEMESTERS) CH-136 136 (MORNING & EVENING)

**Pre-requisite:** H.S.C. or equivalent. Pre-Entry Test

#### FIRST YEAR

First Semester		C.H.	Second Semester		C.H.
ENG 300	English	3	ENG 301	English	3
IS/ET 302	Islamic Studies/Ethics for Non-Muslims	2	PS 303	Pakistan Studies	2
CS/	Computer Skills/Statistics	3	COMP/	Computer Skills/ Statistics	3
STAT 306			STAT 308		
MC 310	Introduction to Mass Communication	4	MC 312	History of Mass Media	4
			351	Minor I	3
350	Minor I	3	351	Minor II	3
350	Minor II	3			

## SECOND YEAR

Third Semester			Fourth Semester		
ENG 400	English	3	ENG 401	English	3
SINDHI/	Sindhi /Urdu	2	SINDHI/	Sindhi /Urdu	2
URDU 402			URDU 403		
GS/GEOG/	General Mathematics/	3	RD/ENV/	Rural Development/	3
CIV406	Geography/Culture & Civilization		GSC 408	Environmental Sciences/	
MC 410	News Reporting	4		General Science	
	(Theory & Practice)		MC 412	News Writing (Theory & Practice)	4
450	Minor-I	3	451	Minor-I	3
450	Minor-II	3	451	Minor-II	3

## THIRD YEAR

5 <sup>th</sup> Semester			6 <sup>th</sup> Semester		
ENG 501	Newsman's English	3	MC 551	Newspaper & Magazine Production	3
MC 502	Theories of Communication	3		(Theory & Practice)	
MC 503	Media Psychology	3	MC 552	Media & Human Rights	3
MC 504	Civic Journalism	3	MC 553	Creative Writing	3
MC 505	Newspaper & Magazine Production	3	MC 554	Mass Media Laws & Ethics	3
	(Theory & Practice)		MC 555	Social Media	3

## FOURTH YEAR

7 <sup>th</sup> Semester			8 <sup>th</sup> Semester		
MC 601	Development Communication	3	MC 651	Media and Culture	3
MC 602	Print & Online Journalism	3	MC 652	Mobile Journalism	3
MC 603	Radio/TV Production	4	MC 653	Advertising & P.R (Theory & Practice)	3
	(Theory & Practice)		MC 654	Media Management &	3
MC 604	Mass Media Research	3		Marketing	
MC 605	Media and Social Movements	3	MC 655	Peace Journalism	3
			MC 660	Research Project & Viva Voce	3

## MA (MEDIA & COMMUNICATION STUDIES): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) PROGRAMME CH-66

**Pre-requisite:** Bachelor (Pass)/(Hons) degree, with Major in Mass Communication/Journalism.

## FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
MC 550	History and fundamentals	3		MC 562	Newspaper & Magazine Production	3	
	of Communication				(Theory & Practice)		
MC 552	Theories of Communication	3		MC 564	Media & Human Rights	3	
MC 554	Media Psychology	3		MC 566	Creative Writing	3	
MC 556	Civil Journalism	3		MC 568	Mass Media Laws & Ethics	3	
MC 558	News Writing and Reporting	3		MC 570	Social Media	3	
	(Theory & Practice)						
MC 560	Newspaper & Magazine Production	3					
	(Theory & Practice)						

## SECOND YEAR

Third Semester			C.H.	Fourth Semester			
MC 601	Development Communication	3		MC 651	Media & Culture	3	
MC 602	Print & Online Journalism	3		MC 652	Mobile Journalism	3	
MC 603	Radio/TV Production	3		MC 653	Advertising & P. R	3	
	(Theory & Practice)				(Theory & Practice)		
MC 604	Mass Media Research	3		MC 654	Media Management & Marketing	3	
MC 605	Media & Social Movements	3		MC 655	Peace Journalism	3	
				MC 660	Research Project & Viva Voce	3	

## DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science was established in 1953 at Elsa Kazi Campus, Hyderabad, with late Dr. Niaz-ul-Haq as its first Chairman. The departments of International Relations and Public Administration are its off-shoots, nurtured by the senior teachers of the Department of Political Science. The alumni of the Department have acquired high positions in federal and Provincial Government services and other fields of life.

The Department of Political Science publishes **The Government** Annual Research Journal of Political Science (HEC Recognized in “Y” category).

### The teaching faculty comprises the following:

**Mahesar, Ghulam Akbar, Professor and Chairman**  
Diploma in English (PACC) 1998, IVLP (USA) 2008, M. A (S.U.) 1999, Ph.D. (S.U.)

**Memon, Kiran Sami, Professor**  
MA (S.U.) 1997, Ph. D (SU) 2013

**Gaho, Ghulam Mustafa, Assistant Professor**  
MA (S.U.) 1998

**Memon, Fehmida, Assistant Professor**  
MA (S.U.) 1989, Ph.D. (K.U) 2021

**Mahesar, Pervaiz Ali, Assistant Professor**  
MA (SALU) 2005, M.Phil. 2014, Ph.D. (Malaysia) 2020

**Noorani, Imran Ali, Assistant Professor**  
M.Sc. (QAU) 2005, Ph.D. (S.U) 2021

**Burfat, Asghar Raza, Assistant Professor**  
MA (SALU) 1996

**Lanjwani, Bisharat Ali, Assistant Professor**  
M.Sc. (QAU) 2005

**Syed Anwar Ul Mustafa Shah, Assistant Professor**  
MA (SALU) 2005

**Baloch, Jamshed Ali, Assistant Professor**  
MA (S.U) 2000, M.Phil. (S.U.) 2011, Ph.D. (S.U.) 2017

**Bukhari, Ahmed Hussain Shah, Lecturer**  
MA (S.U.) 2003, Diploma in Mgt. (UK) 2010, M.Phil. (S.U) 2021

**Oad, Hans Raj, Lecturer**  
MA (S.U.) 2011, LLB 2015

**Talpur, Bakhtawar, Lecturer**  
MA (S.U.) 2013, M.Phil. (S.U) 2021

**Mahesar, Khaleeqe Zaman, Lecturer**  
MA (SALU) 2011

### BS (POLITICAL SCIENCE): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-137

Pre-requisite: H.S.C. or equivalent, Pre-entry Test

#### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 300 English (Compulsory)	3	ENG 301 English (Remedial)	3
IS/ET 302 Islamic Studies / Ethics (For Non-Muslims) Compulsory	2	PS 303 Pakistan Studies (Compulsory)	2
CS/STAT 306 Computer Skills-I / Statistics-I	3	CS/ STAT 308 Computer Skills-II /Statistics-II	3
POLSC.310 Introduction to Political Science-I (Major)	4	POLSC 311 Introduction to Political Science-II (Major)	4
Minor-I (Group A)	3	Minor-I (Group A)	3
Minor-II (Group B)	3	Minor-II (Group B)	3

#### SECOND YEAR

Third Semester	C.H.	Fourth Semester	C.H.
ENG 400 English (Functional-I)	3	ENG 401 English (Functional-II)	3
SIND/URD 402 Sindhi / Urdu (Compulsory)	2	SIND/URD 403 Sindhi / Urdu (Compulsory)	2
GM/GEOG/ General Mathematics /	3	RD 408 Rural Development	3
CIV406 Geography / Culture & Civilization		POLSC.411 Political Systems (China, Turkey, India) (Major)	4
POLSC.410 Political Systems (Developed) (UK, USA) (Major)	4	Minor-I (Group A)	3
Minor-I (Group A)	3	Minor-II (Group B)	3
Minor-II (Group B)	3		

### THIRD YEAR

<b>Fifth Semester</b>	<b>C.H.</b>	<b>Sixth Semester</b>	<b>C.H.</b>
POL SC 501 Principal & Theories: Int. Relations (Major)	4	POL SC 506 Conflict & Conflict Resolution (Major)	3
POL SC 502 Western Political Philosophy (Major)	3	POL SC 507 Muslim Political Philosophy (Major)	3
POL SC 503 Public Administration (Major)	3	POL SC 508 Civil & Military Bureaucracy In Pakistan (Major)	3
POL SC 504 Research Methodology (Major)	4	POL SC 509 Comparative Local Govt. (Major)	3
POL SC 505 Major Issues of Muslim World (Optional-I)	3	POL SC 510 Political Economy of Pakistan (Optional-I)	3
--- Social Change and Political Development (Optional-II)	---	--- Political Sociology (Optional-II)	---
--- Globalization (Optional-III)	---	--- Political Parties & Elections in Pakistan (Optional-III)	---

### FOURTH YEAR

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eighth Semester</b>	<b>C.H.</b>
POL SC 601 International Law (Major)	3	POL SC 606 Human Rights (Major)	3
POL SC 602 Democracy & Governance (Major)	3	POL SC 607 Defence & Strategic Studies (Major)	3
POL SC 603 Comparative & Developmental Politics (Major)	3	POL SC 608 Federalism in Pakistan (Major)	3
POL SC 604 Foreign Policy of Pakistan (Major)	3	POL SC 609 International Organizations (Major)	3
POL SC 605 Constitutional Development In Pakistan (Optional-I)	3	POL SC 610 Pakistan Movement (Optional-I)	3
--- Local Govt. System in Pakistan (Optional-II)	3	--- Political Geography (Optional-II)	3
--- Public Policy Analysis (Option-III)	3	--- International Politics since 1945 (Optional-III)	3
		POL SC 611 Research Project & Viva-Voce	3

### MA (POLITICAL SCIENCE): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-63

Pre-requisite: Bachelor degree, preferably with Political Science as one of the elective subjects.

#### MA (PREVIOUS)

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
POL SC 550 Theories & Principles of International Relations	3	POL SC 555 Conflict & Conflict Resolution	3
POL SC 551 Western Political Philosophy	3	POL SC 556 Muslim Political Philosophy	3
POL SC 552 Public Administration	3	POL SC 557 Civil & Military Bureaucracy In Pakistan	3
POL SC 553 Research Methodology	3	POL SC 558 Comparative Local Government System	3
POL SC 554 Major Issues of Muslim World (Optional-I)	3	POL SC 559 Political Economy of Pakistan (Optional-I)	3
--- Social Change and Political Development (Optional-II)	---	--- Political Sociology (Optional-II)	---
--- Globalization (Option-III)	---	--- Political Parties & Election in Pakistan (Optional-III)	---

#### MA (Final)

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
POL SC 650 International Law	3	POL SC 655 Human Rights	3
POL SC 651 Democracy & Governance	3	POL SC 656 Defense & Strategic Studies	3
POL SC 652 Comparative & Developmental Politics	3	POL SC 657 Federation in Pakistan	3
POL SC 653 Foreign Policy of Pakistan	3	POL SC 658 International Organizations	3
POL SC 654 Constitutional Development In Pakistan (Optional-I)	3	POL SC 659 Pakistan Movement (Optional-I)	3
--- Local Government system in Pakistan (Optional-II)	---	--- Political Geography (Optional-II)	---
--- Public Policy Analysis (Option-III)	---	--- International Politics Since 1945 (Optional-III)	---
		POL SC 660 Master Thesis & Viva-Voce	3

## DEPARTMENT OF PSYCHOLOGY

Initiated as combined department of Philosophy and Psychology in 1953, headed by Late Dr. K.A. Hameed with only a skeleton staff, the Department emerged as an independent teaching department in 1958 with Dr. Rafia Hassan as its first Chairperson. In 1962, BA (Hons.) classes were introduced; award of B.Sc. and M.Sc. degrees commenced in 1969. The department introduced courses with stress on Cross Cultural Psychology at Honours and Postgraduate levels in 1972, as main area of emphasis; cross cultural comparison of psychological laws and the analysis of social/ psychological problems of every day life and work are its main focus. The department has introduced BS 4-year Programme from 2006 and M.Phil. Programme in 2000. The job opportunities for our graduates are available in Mental Health Clinics, Hospitals, Prisons, National Armed Services and in Educational Institutes, etc.

### The teaching faculty comprises the following:

**Shah, Irfana, Professor and Chairperson**

MA 1987, Ph.D. (S.U.) 1999

**Mumtaz Shahana, Assistant Professor**

M.Sc. 1993, M.Phil. (S.U.) 2006

**Shaikh, Muniza, Assistant Professor**

M.Sc. 1993, M.Phil. (S.U.) 2005, Ph.D. (S.U.) 2019

**Jokhio, Farhat, Assistant Professor**

M.Sc. (S.U.) 2001

**Siddiqui, Fozia, Assistant Professor**

M.Sc. (S.U.) 2000

**Soomro, Lubna Ahmed, Assistant Professor**

MA (S.U.) 2006

**Shaikh, Sheeraz Ilyas, Assistant Professor**

M.Sc. (S. U) 2000, MA 2005, B.Ed. (S. U) 2003, M.Phil. (IIUI) 2016

**Panhwar, Marvi, Lecturer**

M.Sc. (S.U.) 1998, M.Phil. (S.U.) 2019

**Gopang, Meroona, Lecturer**

M.Sc. (S. U) 2012, M.Phil. (QAU) 2018

**Memon, Parvasha, Lecturer**

BS (S. U) 2012, M.Phil. (K.U) 2018

### BS (PSYCHOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-130

Pre-requisite: H.S.C. Arts/Humanities/Social Sciences with Psychology as one of the elective subjects OR H.S.C. with Pre-Medical/ Pre-Engineerg. or General Science Group. Pre-Entry Test

### SCHEME OF STUDIES INTEGRATEDBS IN PSYCHOLOGY 2020

#### FIRST YEAR

First Semester		C.H.	Second Semester		C.H.
ENG 300	English-I3		ENG 301	English-II	3
PS 302	Pakistan Studies	2	IS 303	Islamic Studies/Ethics	2
MATH 306	Mathematics (Comp)	3	CS 308	Introduction to Computers	3
308	Introduction to Sociology/	3	PSY 314	Applied Aears of Psychology (F)	2
	Psychology (Minor-I)		PSY 315	Practicals in Psychology (F)	1
312	Introduction to Social Work/	3	316	Introduction to Management/	3
	Statistics 1 (Minor-II)			Physiology II (Minor-II)	
PSY 310	Introduction to Psychology (F)	2	318	Introduction to Mass	3
PSY 311	Laboratory Work	1		Communication/Statistics II	
				(Minor-II)	

#### SECOND YEAR

Third Semester		C.H.	Fourth Semester		C.H.
ENG 400	Communication Skills (Eng-III)	3	U/S 402	Urdu/Sindhi	3
PSY 412	Cognitive Psychology (Maj)	3	410	Introduction to Economics/	3
BIO 404	Biology	3		Biochemistry II (Minor)	
406	Food and Nutrition/	3	412	Physical Education/	3
	Biochemistry I (Minor-I)			Mathematics II (Minor)	
408	IR/Philosophy/Mathematics-I	3	PSY 416	Developmental Psychology (Maj)	3
	(Minor-II)		PSY 418	EducationalPsychology (F)	3
PSY 414	Environmetal Psychology (Maj)	3	PSY 420	Gender Issues in Psychology (Maj)	3

### THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
PSY 504	MentalHealth and	3	PSY 514	Research Methods-II	3		
	Psycho-Pathology-I		PSY 516	MentalHealth and	3		
PSY 506	Schools & Perspectives in	2		Psycho-pathology-II			
	Psychology-I		PSY 518	Theories of Personality-II	3		
PSY 508	Personality Theories-I	3	PSY 520	Biological Basis of Behavior	3		
PSY 510	Research Methods-I	3	PSY 522	Data Analysis using SPSS	3		
PSY 511	Statistics in Psychology	2	PSY 524	Psychology Assessment-II	3		
PSY 512	Psychological Assessment-I	3					
PSY 513	Psychological Assessment	1					
	Practical						

### FOURTH YEAR

FOURTH YEAR							
Seventh Semester			C.H.	Eighth Semester			C.H.
PSY 600	Social Psychology	3		PSY 612	Positive Psychology	3	
PSY 602	Cross Cultural Psychology	3		PSY 614	Peace Psychology	3	
Elective-I				Elective-II			
PSY 604	Clinical Psychology	3		PSY 616	Introduction to Deviant Behavior/	3	
PSY 606	Organizational Psychology			PSY 618	Family Psychology	3	
PSY 608	Internship	3		PSY 620	Internship	3	
PSY 610	Research Report	4		PSY 626	Research Report	4	

### MA / M.Sc. (PSYCHOLOGY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: - B.Sc. Home Economics/ B.A. / B.Sc. (Pass) with preferably Psychology as an elective subject, with at least 45% marks; M.B.B.S. degree.

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
PSY 502	Introduction to Psychology	3		PSY 514	DevelopmentalPsychology	3	
PSY 504	Psychology Assessment-I	3		PSY 516	Psychology Assessment-II	3	
PSY 506	Personality Theories-I	3		PSY 518	Practical in Psychology	3	
PSY 508	Mental Health and	3		PSY 520	Mental Health and	3	
	Psycho-Pathology-I				Psycho-Pathology-II		
PSY 510	Research Methods-I	3		PSY 522	Research Methods-II	3	
PSY 512	Schools & Perspectives in	3		PSY 524	Theories of Personality	3	
	Psychology						

Third Semester		C.H.	Fourth Semester		C.H.
PSY 600	Cognitive Psychology	3	PSY 612	Cross CulturalPsychology	3
PSY 602	Environmental Psychology	3	PSY 614	Gender Issue in Psychology	3
PSY 604	Data Analysis using SPSS	3	PSY 616	Clinical Psychology	3
PSY 606	Statistics in Psychology	3	PSY 618	Positive Psychology	3
PSY 608	SocialPsychology	3	<b>Elective Course</b>		
PSY 610	Biological Basis of Behavior	3	Choose any one		
			PSY 620	Organizational Psychology	3
			PSY 621	Practicum	3
			PSY 622	Introduction to Deviant behavior	3
			PSY 623	Practicum	3
			PSY 624	Family Psychology	3
			PSY 625	Practicum	3
			PSY 648	Comprehensive viva-voce	

## DEPARTMENT OF PUBLIC ADMINISTRATION

Founded in 1985, the Department of Public Administration is a research and academic unit in the Faculty of Social Sciences, University of Sindh. The main objectives of opening this department were to train and equip students in the area of administrative sciences enabling them to contribute productively towards development efforts in Pakistan, to prepare students for managerial career in public and private organizations and for research and teaching of public administration and to equip them with analytical ability to understand the current administrative issues in Pakistan.

The Department offers Morning and Evening Programmes of BS 4-year and Two year MPA (Pass) & Master of Public Policy (MPP) degrees, Department also offers Post Graduate Diploma in Public Administration (Evening). It has recently revised and updated its curricula.

### The teaching faculty comprises the following: -

Syed, Naimatullah Shah, Professor & Chairman

MPA 1994, Ph.D. (UK) 2009

Abbasi, Zareen, Professor

MPA (QAU) 1993, Ph.D. (K.U) 2006

Kandhro, Sirajul Haque, Professor

MPA (S.U.) 1989, M.Sc. (KIT) 2004, Ph.D. (Thailand) 2012

Panhwar, Khalid Noor, Professor

MPA (S.U.) 1987, Ph.D. (S.U.) 2014

Mangi, Aftab Ahmed, Professor

MPA (S.U.) 1988, Ph.D. (S.U.) 2013

Zaidi, Zulfiqar Hyder Shah, Professor

MPA (SU) 2001. M.S (China) 2011, Ph.D. (China) 2016

Abbasi, Muhammad Sharif, Associate Professor

M.Sc. Computer Sc. (SU) 2003, Ph.D. (UK) 2011

Channar, Sajjad Hyder, Assistant Professor

B.E. (Computer Sc.) (MUET) 1995, MPA (S.U.) 1998, MS (MUET) 2013

Shah, Farwa, Assistant Professor

MPA (S.U.) 2001, (Ph.D. Scholar)

Chachar, Ayaz Ahmed, Assistant Professor

MPA (S. U) 2001, M.SC BY RESEARCH (U.K) 2013, Ph.D. (S.U.) 2019

Bhutto, Noureen, Assistant Professor

MS MUISTD(MUET) 2014

Keerio, Abdul Jabbar, Lecturer

MPA (S. U) 2002, M.Phil. (S.U.) 2019

### BS (PUBLIC ADMINISTRATION): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-124 (MORNING & EVENING)

The Programme was introduced in 1995 and in 2006 the same Programme was redesigned as BS in Public Administration (4-year) Programme. Offering professional education and to provide students with an understanding of organizations, their structure and functioning in public sector and the career opportunities.

**Pre-requisite:** H.S.C. with at least 45% marks. H.S.C. Arts candidates must have offered one of the Social Science subjects as elective. Pre-Entry Test

### Scheme of Studies for BS Public Administration (4 Years Programme) w.e.f 2016

#### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 300 English Comprehension	3	ENG 301 Technical English Writing	3
PA 306 Introduction to Computer / MS Office	3	PA 310 Islamic Studies / Ethics	3
PA 307 Pakistan Studies	3	PA 311 Fundamentals of Mathematics	3
PA 308 Introduction to Public Administration	3	PA 312 Principles of Marketing	3
PA 309 Microeconomics / Macroeconomics	3	PA 313 Principles of Management	3



## SECOND YEAR

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
PA 405 Communication Skills for Management	3	PA 410 Management Information System (MIS)	3
PA 406 Introduction to Statistics	3	PA 411 Administrative Law & Accountability	3
PA 407 Introduction to Public Policy	3	PA 412 Financial Accounting	3
PA 408 Administrative Ethics	3	PA 413 Knowledge Management	3
PA 409 Introduction to Behavioural Sciences	3	PA 414 Human Resource Management	3

## THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
PA 500 Government & Society in Pakistan	3	PA 505 Applied Statistics for Managers	3
PA 501 Change Management	3	PA 506 Organizational Design & Behaviour	3
PA 502 Development Economics	3	PA 507 Operation Research	3
PA 503 Research Methods & Techniques	3	PA 508 Decentralization & Governance	3
PA 504 Financial Management	3	PA 509 Entrepreneurship	3

## FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>
PA 600 Area of Specialization Course-I	3
PA 601 Area of Specialization Course-II	3
PA 602 Strategic Managements	3
PA 603 Office Management & Communication	3
PA 604 Contemporary Issues of Public Admin in Pakistan	3

**Area of Specialization** (only one group is to be offered).

### *Group-" A " Development Studies* *C.H.*

PA 600 (A) Community and Rural Development	3
PA 601 (A) Human Rights and Development	3

### *Group-" B " E-Governance* *C.H.*

PA 600 (B) e-Management and Public Administration	3
PA 601 (B) Service Innovation	3

### *Group-" C " Finance* *C.H.*

PA 600 (C) International Financial Management	3
PA 601 (C) Credit & Risk Management	3

### *Group-" D " Human Resource Management* *C.H.*

PA 600 (D) Labor Laws and Industrial Relations	3
PA 601 (D) Organization Change and Development	3

### *Group-" E " Marketing* *C.H.*

PA 600 (E) Advertising and Promotion Management	3
PA 601 (E) Global Marketing Management	3

### *Group-" F " Public Health Administration* *C.H.*

PA 600 (F) Essential of Public Health	3
PA 601 (F) Hospital Management	3

### *Group-" G " Public Policy* *C.H.*

PA 600 (G) Theories of Public Policies	3
PA 601 (G) Theories and Actors of Policy Process	3

<b>Eighth Semester</b>		<b>C.H.</b>
PA 605	Area of Specialization Course-III	3
PA 606	Area of Specialization Course-IV	3
PA 607	Project Management	3
PA 608	Research Project	4
PA 609	Internship	3
PA 610	Oral Comprehensive Viva Voce	3
<b>Area of Specialization</b> (only one group is to be offered).		
<b>Group-" A" Development Studies</b>		<b>C.H.</b>
PA 605 (A)	Sustainable Development	3
PA 606 (A)	Development Planning and Administration	3
<b>Group-" B" E-Governance</b>		<b>C.H.</b>
PA 605 (B)	Implementing e-Government Projects	3
PA 606 (B)	ICTs Management	3
<b>Group-"C" Finance</b>		<b>C.H.</b>
PA 605 (C)	Analysis of Financial Statement	3
PA 606 (C)	Portfolio Management Investment Strategy	3
<b>Group-" D" Human Resource Management</b>		<b>C.H.</b>
PA 605 (D)	Compensation, Incentives & Corporate Governance	3
PA 606 (D)	Strategic Human Resource Management	3
<b>Group-" E" Marketing</b>		<b>C.H.</b>
PA 605 (E)	Marketing Research	3
PA 606 (E)	Supply Chain Management	3

<b>Group-" F" Public Health Administration</b>		<b>C.H.</b>
PA 605 (F)	Disaster Management	3
PA 606 (F)	Public Health Policy Analysis	3
<b>Group-" G" Public Policy</b>		<b>C.H.</b>
PA 605 (G)	Media, Politics and Public Policy	3
PA 606 (G)	Economics for Public Policy	3
<b>COMPULSORY REQUIREMENTS</b>		
<b>Course#</b>	<b>Course Title</b>	<b>C.H.</b>
PA 608	Master thesis (in the area of specialization)	3
PA 609	Intership (6-8 weeks) plus report on host organization	3
PA 610	Oral Comprehensive Viva-vice	3

**MASTER OF PUBLIC ADMINISTRATION (MPA) (PASS) MORNING & EVENING 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-78**

Pre- requisite: - B.Com. / B.A. (Pass) with one Social Science subject as Elective/ B.Sc. (Pass) with Physics/ Mathematics/ Statistics/ Chemistry as one of the Elective subjects, with at least 45% marks. Candidates who have cleared Part-I and Part-II of B.Com. (Hons.), B.B.A.(Hons.) with major in Political Science /Economics/International Relations/ Sociology/ Social Work/ Psychology/ Mass Communication/ Library and Information Science/Physics/Mathematics/ Statistics/ Computer Science/ Electronics/ Computer & Information Technology/ Telecommunication, so as to be eligible for a Bachelor Pass degree from the University of Sindh, with at least 50% marks, are also eligible to compete.

**Courses requirement:**

**MPA (PREVIOUS)**

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
PA 501 English-I (Remedial)	NC	PA 507 English-II (Functional)	3
PA 502 Public Administration: Concepts & Theories	3	PA 508 Managerial Economics	3
PA 503 Research Methods & Report Writing	3	PA 509 Financial Management	3
PA 504 Financial Accounting	3	PA 510 Principles of Marketing	3
PA 505 Human Resources Management & Innovation	3	PA 511 Mathematics & Statistics for Management	3
PA 506 Computer Applications to Management	3	PA 512 Management Information System: Theories & Practice	3

**MPA (PASS) FINAL**

<b>First Semester</b>	<b>C.H.</b>
PA 601 Organizational Design and Behaviour	3
PA 602 Local Government and Rural Administration	3
PA 603 Comparative Public Administration	3
PA 604 Operational Research and Management	3

**Specialization Courses (any one group is to be offered)**

<b>Group-"A" Financial Management</b>	<b>C.H.</b>
PA 605 (A) Credit Management	3
PA 606 (A) Management of Investment Finance	3
<b>Group-"B" Human Resource Management</b>	<b>C.H.</b>
PA 605 (B) Human Resources: Communication and Development	3
PA 606 (B) Industrial Relation and Labor Laws	3

<b>Group-"C" Marketing Management</b>	<b>C.H.</b>
PA 605 (C) Advanced Marketing Management	3
PA 606 (C) Consumer Behaviour & Marketing Management	3

<b>Group-"D" Management Information System</b>	<b>C.H.</b>
PA 605 (D) Database Management System	3
PA 606 (D) Telecommunication & Networking	3

<b>Second Semester</b>	<b>C.H.</b>
PA 607 Office Management and Communication	3
PA 608 Administration of Islamic Economic Systems	3
PA 609 Project Management	3
PA 610 Development Economics	3

**Specialization courses (any one Group is to be offered)**

<b>Group-"A" Financial Management</b>	<b>C.H.</b>
PA 611 (A) Analysis of Financial Statement	3
PA 612 (A) International Financial Management	3

<b>Group-"B" Human Resource Management</b>	<b>C.H.</b>
PA 611 (B) Human Resource Information System	3
PA 612 (B) Training for Multicultural Managers	3

<b>Group-"C" Marketing Management</b>	<b>C.H.</b>
PA 611 (C) International Marketing	3
PA 612 (C) Sales Promotion and Advertising	3

<b>Group-"D" Management Information System</b>	<b>C.H.</b>
PA 611 (D) Computer Programming: C++ OOP	3
PA 612 (D) System Analysis & Design	3

<b>Compulsory requirement</b>	<b>C.H.</b>
PA 613 Internship (6- 8 weeks) + Report on host Organization	3
PA 614 Master Thesis (In the area of Specialization)	6
PA 615 Oral Comprehensive Viva-Voce	3

#### MASTER IN PUBLIC POLICY (MPP): 4 SEMESTERS (2 YEARS) PROGRAMME CH-54

This degree Programme provides for an in-depth examination of theory and principles in the Public Policy. The incorporates introduction to public policy and analysis, Empirical analysis for public policy, Public Policy research and evaluation, Political and organizational analysis, Public sector reform in developing countries, Statistical techniques on Public Policy negotiation and conflict management, strategies management in public organizations, strategies for poverty alleviation and leadership, urban development and policy, Project management for the public sector, Public policy and management of health system, Crisis management, Social Policy: Issues and Options.

**Pre-requisite:** - B.Com. / B.A. (Pass) with one Social Science subject as Elective/ B.Sc. (Pass) with Physics/ Mathematics/ Statistics/ Chemistry as one of the Elective subjects, with at least 45% marks. Candidates who have cleared Part-I and Part-II of B. Com(Hons.), B.B.A.(Hons.) with major in Political Science /Economics/International Relations/ Sociology/ Social Work/ Psychology/ Mass Communication/ Library and Information Science/Physics/Mathematics/ Statistics/ Computer Science/ Electronics/ Computer & Information Technology/ Telecommunication, so as to be eligible for an MPP degree from the University of Sindh

<b>First Semester</b>		<b>C.H.</b>
PP 701	Introduction to Public Policy and Analysis	3
PP 702	Empirical analysis for Public Policy	3
PP 703	Public policy research and evaluation	3
PP 704	Political and organizational analysis	3
<b>Second Semester</b>		<b>C.H.</b>
PP 705	Statistical techniques on Public Policy	3
PP 706	Negotiation and Conflict management	3
PP 707	Strategies management in Public Organization	3
PP 708	Strategies for Poverty alleviation	3

<b>Third Semester</b>		<b>C.H.</b>
PP 751	Urban Development and Policy	3
PP 752	Project Management for the Public Sector	3
PP 753	Public Policy and management of health system	3
PP 754	Crisis Management	3

<b>Fourth Semester</b>		<b>C.H.</b>
PP 755	Public Sector Reform in Developing Countries	3
PP 756	Public Management and Leadership	3
PP 757	Social Policy: Issues and Option	3
PP 758	Thesis	6
PP 759	Oral Comprehensive Viva-voce	3

#### POSTGRADUATE DIPLOMA IN PUBLIC ADMINISTRATION: 2 SEMESTERS (1 YEAR) PROGRAMME LEADING TO MPA CH-36

Pre-requisite: Bachelor degree Science/ Social Science.

##### P.G.D.P.A.

<b>First Semester</b>		<b>C.H.</b>	<b>Second Semester</b>		<b>C.H.</b>
PA 501	English-I (Remedial)	NC	PA 507	English-II (Functional)	3
PA 502	Public Administration: Concepts & Theories	3	PA 508	Managerial Economics	3
PA 503	Research Methods & Report Writing	3	PA 509	Financial Management	3
PA 504	Financial Accounting	3	PA 510	Principles of Marketing	3
PA 505	Human Resources Management & Innovation	3	PA 511	Mathematics & Statistics for Management	3
PA 506	Computer Applications to Management	3	PA 512	Management Information System: Theory & Practice	3
			PA 513	Research Project	3
			PA 514	Oral Comprehensive Viva-Voce	3

## DEPARTMENT OF SOCIOLOGY

Sociology is a leading academic discipline within the domain of Social Sciences and Liberal Arts. It is a tool to produce systematic knowledge about the social structures and social process of human society. To this connection, department of Sociology was established at Hyderabad Campus in 1964 Prof. Shafi Muhammad Memon as its first chairman. Later the department was shifted to Allama Iqbal Kazi Campus Jamshoro in 1970. This Department has been imparting quality education. Courses have been designed to equip students with professional skills and knowledge relevant to the changing needs of society. Many of the graduates of this department are currently holding executive positions in private as well as government sectors.

The department is equipped with well furnished seminar library and advanced computer laboratory to provide latest books to the students both in hard copies and electronic versions. Research is the basic hallmark of the department. Department has established links with NGOs and the wider community. The Faculty is well equipped with up to date research tools and techniques. Students are enrolled in M.Phil. Programmes and are working hard on their research dissertation under the guidance of qualified faculty.

There are more than one thousand students enrolled in undergraduate programmes (BS Sociology) as well as Postgraduate programmes (M.A, M.Phil., MS and Ph.D. in sociology). The focus of department's postgraduate programmes is to produce quality research on current social issues of Pakistani society.

The department has established linkages with both governmental and non governmental organizations to facilitate the passing graduates to pursue their professional careers in the fields of their own choice.

The backbone of department's strength is its highly qualified faculty members. Majority of them are Ph.Ds. They strive to create in students the "Sociological imagination" which signifies the abilities to see their lives, concerns, problems and hopes as entwined within the larger social and historical context in which they live. This develops in students the skills critically and creatively to make their visions broader to envisage and encompass the existing social framework and enable them to apply their theoretical knowledge to the solution of the social problems around them.

### The teaching faculty comprises the following:

Kakepoto, Hammadullah, Professor and **Dean "Faculty of Social Sciences"**  
MA (SALU) 1994, MA (English) 1997, M.Phil. 2001, Ph.D. (K.U) 2005, Postdoc (Malaysia) 2007

Brohi, Ahmed Ali, Professor & **Chairman**  
MA 1998, M.Phil. (S.U.) 2006, Ph. D (S.U.) 2013

Shaikh, Saima, Professor  
MA (S.U.) 1997, Ph.D. (S.U.) 2005

Wassan, Aijaz Ali, Professor  
B.E (Agri) (SAU) 1996, MA (S.U.) 1999, Ph.D. (S.U.) 2008

Panhwar, Ghazala, Associate Professor  
M. A (S.U.), Ph.D. (S.U.) 2015

Abro, Ameer Ali, Associate Professor  
B.Sc. (SALU) 1993, MA (SALU) 1996, Ph. D (K.U) 2013

Junejo, Muneera, Assistant Professor  
MA (S. U) 1997, M.Phil. (KU) 2019

Tunio, Shabana, Assistant Professor  
M. A (S.U.) 1997, Ph. D (S.U.) 2016

Narejo, Hameeda, Assistant Professor  
MA (S.U.) 1998, MS Management Science (Italy)

Khaskheli, Mumtaz, Assistant Professor  
MA (S.U.) 2002, Ph. D (Malaysia) 2014

Khoso, Pasand Ali, Assistant Professor  
MA (KU) 2005, Ph. D (Malaysia) 2020

Bhutto, Niaz Ahmed, Assistant Professor  
MA (S.U.) 2010, Ph. D (S.U.) 2019

Halepoto, Allah Wadhayo, Lecturer  
MA (S.U.) 2003

Shah, Saeeda, Lecturer  
MA (S.U.) 2008, Ph.D. (S.U) 2022

Brohi, Adeel Khan, Lecturer  
M.Sc. (Q.U) 2013, M.Phil. (S.U) 2022

### BS (SOCIOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-147

Pre-requisite: H.S.C. or equivalent. Pre-Entry Test

#### FIRST YEAR

First Semester		C.H.	Second Semester		C.H.
CC 301	English (Functional English)	3	CC 311	English-II (Communication Skills)	3
CC 302	Islamic Studies/Ethics for Non Muslims	2	CC 312	Pakistan Studies	2
GC 303	Introduction to Environment	3	GC 313	Introduction to Psychology	3
CC 304	Mathematics	3	GC 314	Introduction to Economics	3
DSFC 305	Introduction to Sociology	3	DSFC 315	Social Anthropology	3
GC 306	Mass Communication	3	CC: UNIV/ 316	Applied Sociology	3
			OPTION		

#### SECOND YEAR

Third Semester		C.H.	Fourth Semester		C.H.
CC 401	English-III (Technical Writing and Presentation Skills)	3	MC 411	Internship	3
CC402	Introduction to Computer	1+2	CC 412	Social Statistics	3
GC 403	Introduction to Management	3	GC 413	Political Science	3
GC 404	Logic and Critical Thinking	3	DSFC 414	Introduction to Social Research	3
DSFC 405	Development of Social Thought	3	DSFC 415	Pakistan Society and Culture	3
			DSFC 416	Sociological Theories	3

#### THIRD YEAR

Fifth Semester			Sixth Semester		
MC 501	Sociology of Religion	3	DSFC511	Gender Studies	3
DSFC 502	Quantitative Research Methodology	3	MC 512	Sociology of Globalization	3
MC 503	Sociology of Education	3	MC 513	Population Studies	3
MC 504	Human Resources Mgt	3	MC 514	Rural Sociology	3
DSFC 505	Social Psychology	3	MC 515	Sociology of Social Change and Development	3

#### FOURTH YEAR

Seventh Semester		C.H.	Eighth Semester		C.H.
MC 601	Sociology of Health	3	MC 611	Community Development	3
DSFC602	Qualitative Research Methodology	3	MC 612	Urban Sociology	3
MC 603	Project Planning and Management	3	EC 613	Group A: NGO Management	3
			EC 614	Group B: Sociology of Aging	3
			EC 615	Group A: Human Rights	3

EC 604	Group A: Rural Development	3	EC 616	Group B: Social Entrepreneurship	
EC 605	Group B: Urban Development		EC 620	Research Thesis	6
EC 606	Group A: Peace and Conflict Resolution	3			
EC 607	Group B: Sociology of Media				

### MA (SOCIOLOGY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-60

Pre-requisite: Bachelor (Pass) degree, preferably with Sociology as one of the elective subjects.

#### PREVIOUS

First Semester			Second Semester		
SOC 501	History of Sociological Thought	3	SOC 551	History of Sociological Thought	3
SOC 502	Sociology of Population	3	SOC 552	Sociology of Population	3
SOC 503	Social Psychology	3	SOC 553	Social Psychology	3
SOC 504	Methods of Social Research	3	SOC 554	Methods of Social Research	3
SOC 505	Principles of Sociology	3	SOC 555	Principles of Sociology	3

#### FINAL

PREVIOUS					
SOC 601	Social Statistics	3	SOC 651	Social Statistics	3
SOC 602	Rural Sociology/Community Development/Social Change & Development/Sociology of Religion	3	SOC 652	Social Change & Development	3
	Sociology of Education/Urban Sociology & Human Ecology/ Social Entrepreneurship/Sociology of Human Rights		SOC 653	Sociology of Human Rights	3
SOC 603	Criminology	3	SOC 654	Social Problems of Pakistan	3
SOC 604	Social Problems of Pakistan	3	SOC 609	Research Project	3
SOC 605	Sociology of Religion	3	SOC 610	Viva-voce Comprehensive	3

B. Specialization Requirements:

Any **one** of the under mentioned courses is to be offered:

#### Specialization

SOC 605-A, B Sociology of Development  
SOC 605-A, B Industrial Sociology  
SOC 605-A, B Medical Sociology

## DEPARTMENT OF SOCIAL WORK

The Department of Social Work was established in 1966 to conduct MA Classes. In the initial stage of its establishment part-time faculty from related disciplines and Directorates of Social Welfare and Health Services were engaged. In 1970, one-year diploma course in Social Welfare was introduced; in 1974, BA (Hons.) Social Work Programme was introduced with induction of regular faculty. Presently 4-year BS and Master in Social Work Programmes are being offered.

The students are imparted theoretical knowledge as well as practical training. The Department prepares students for career in Social Work who are eligible to apply for the post of Case Worker, Community Development Officers, Special and Labor Welfare Officers.

### The teaching faculty comprises the following:

Syed Abbas Ali Shah, Assistant Professor and Incharge Chairman  
MA (S.U.) 1992, LLB 1997, MLA 1998

Syed Lutuful Hasnaen Shah, Assistant Professor  
MA (S.U.) 1998

Baloch, Jamshed, Assistant Professor  
MA (S.U.) 1993

Syed Faisal Hyder Shah, Assistant Professor  
MA 2002, LLB (S.U.) 2006, Ph. D (University Sains, Malaysia) 2018

Zareen Qadeer, Lecturer (On Study Leave)  
MA (S.U.) 2003

Khaskheli, Waheed Akbar, Lecturer  
MA (S.U.) 2007

### BS (SOCIAL WORK): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. or equivalent. Pre-Entry Test

#### FIRST YEAR

First Semester	C.H.	Second Semester	C.H.
ENG 300 English	3	ENG 301 English	3
IS/ ET 302 Islamic Studies/Ethics for Non- Muslims	2	PS 303 Pakistan Studies	2
CS/STAT 306 Computer Skills/Statistics	3	COMP/ Computer Skills/Statistics	3
SW 310 Introduction to Social Work	3	STAT 308	
SW 311 Practical Field Work	1	SW 312 Pakistani Society	3
SW Minor-I	3	SW 313 Practical Field Work	1
SW Minor-II	3	SW Minor-I	3
		SW Minor-II	3

#### SECOND YEAR

Third Semester	C.H.	Fourth Semester	C.H.
ENG 400 English	3	ENG 400 English	3
SIND/URD 402 Sindhi/Urdu	2	SIND/URD 403 Sindhi/Urdu	2
GS/GEOG/ General Mathematics/	3	RD/GS/ Rural Development/General	3
CIV 406 Geography/ Civilization		ENVL 408 Science/Environmental	
SW 410 Social Needs and Problem of Pakistan	3	Science	
SW 411 Practical Field Work	1	SW 412 Family and Child Welfare	3
SW Minor-I	3	SW 413 Practical Field Work	1
SW Minor-II	3	SW Minor-I	3
		SW Minor-II	3



### THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
SW 520 Social Case Work	3	SW 525 Community Organization & Development	3
SW 521 Social Group Work	3		
SW 522 Sociology of Society and Social Institutions	3	SW 526 Social Research	3
SW 523 Social Services for Special Groups	3	SW 527 Social Problems of Pakistan	3
SW 524 Practical Field Work Placement	6	SW 528 Child Rights and Welfare	3
		SW 529 Practical Field Work Placement	6

### FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
SW 600 Social Administration	3	SW 605 Contemporary Social Work	4
SW 601 Statistics	3	SW 606 Human Growth and Personality Development	4
SW 602 Labour Welfare Services	3		
SW 603 Rural Government and Local Government	3	SW 607 Social Legislation	4
SW 604 Practical Field Work Placement	6	SW 608 Practical Community Development Project	6
		SW 609 Research Project	3
		SW 610 Comprehensive Viva-Voce	1

### MA (SOCIAL WORK): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-64

Pre-requisite: Bachelor (Pass) degree preferably with Social Work as one of the elective subjects.

### PREVIOUS

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
SW 500 Social Case Work	3	SW 505 Community Organization & Development	3
SW 501 Social Group Work	3		
SW 502 Sociology of Society and Social Institutions	3	SW 506 Social Research	3
SW 503 Social Services for Special Group	3	SW 507 Social Problems of Pakistan	3
SW 504 Practical Field Work Placement	6	SW 508 Child Rights & Welfare	3
		SW 509 Field Project	

### FINAL

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
SW 600 Social Administration	3	SW 605 Contemporary Social Work	3
SW 601 Statistics	3	SW 606 Human Growth & Personality Development	3
SW 602 Labour Welfare Services	3		
SW 603 Rural Government and Local Government	3	SW 607 Social Legislation	3
SW 604 Field Project	6	SW 608 Practical Community Development Project	6
		SW 609 Research Project	4
		SW 610 Comprehensive Viva-Voce	1

## DEPARTMENT OF CRIMINOLOGY

### INTRODUCTION

Criminology is the discipline of Social Science that studies making of laws, breaking of laws and reaction towards breaking of laws. Criminology includes within its scope the prevention of crime, control, investigation, criminal psychology, penology, criminal justice system, forensic science, human rights, organized crime, money laundering, security, Islamic perspective on crime and sin, theories about criminality, gender and crime, juvenile delinquency and female criminality. Criminology related jobs are found in Police, investigation, criminal justice, policy making, security, correctional institution, academia, child and women protection and homeland security.

Department of Criminology started its academic working in 1998 in Elsa Kazi Campus as Institute of Criminology. Prof. Izzat Khatoon Khawaja, Dr. Pervaiz Ahmed Pathan and Prof. Bashir Ahmed Rajput were its classic founders. They ran M.Sc. Criminology programme at that time. Presently, the Department of Criminology is placed at Arts Faculty Building, University of Sindh, Jamshoro. At moment, BS, M.Sc., M.Phil., and Ph.D. programmes are being run.

### VISION

Criminology visions development and spreading of valuable applied knowledge that helps prevent crime, violence, insecurity, lawlessness and fear related to life and property.

### MISSION

Criminology aims to produce manpower of educated and skilled criminologists to secure society from all threats and challenges of life.

### The teaching faculty comprises of the following: -

**Narejo Nabi Bakhsh, Professor and Chairman**  
M.A. Applied Criminology (K.U), Ph.D. Criminology (K.U)

**Abbasi Waheed Ahmed, Assistant Professor (Adhoc)**  
M.Sc. Criminology (S.U.), Ph. D Criminology (U.K)

**Memon Hyder Ali, Lecturer**  
M.Sc. Criminology, LLB, LL.M, M.Phil. (S.U.)

**Shaikh Hassan Latif, Lecturer**  
M.Sc Criminology, LLB (S.U.)

**Mahesar Abdul Hameed, Lecturer**  
M.Sc Criminology, M.Phil. Criminology, LL.B. (SALU)

### BS (CRIMINOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-142 (MORNING & EVENING)

Pre-requisite: H.S.C. or equivalent. Pre-Entry Test

#### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
ENG 300	English-I	3		ENG 301	English-II	3	
IS/ET 302	Islamic Studies/Ethics for Non- Muslims	2		PS 303	Pakistan Studies	2	
				COMP/	Statistics	3	
CS/STAT 306	Computer Skills/Statistics	3		STAT 308			
CRM 310	Fundamentals of Criminology	4		CRM 314	Crime and Criminology in Pakistan	3	
	Minor-I	3			Minor-I	3	
	Minor-II	3			Minor-II	3	

#### SECOND YEAR

Third Semester			C.H.	Fourth Semester			C.H.
ENG 400	English-III	3		ENG 401	English-IV	3	
CRM 402	Sociology of Deviance	3		CRM 403	Social Ecology	3	
CRM 406	Islamic Perspective on Crime & Sin	3		CRM 405	Crime Typology	3	
				CRM 407	Criminal Justice System	3	
CRM 410	Theoretical Perspective on Crime and Criminal Behavior	3			Minor-I	3	
	Minor-I	3			Minor-II	3	
	Minor-II	3					

### THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
CRM 500	Juvenile Delinquency	3		CRM 501 A	Offender Rehabilitation and Treatment	3	
CRM 502	Penology	3					
CRM 504	Gender & Crime	3		CRM 503 A	Correctional Institutions	3	
CRM 506	Terrorism and Violence –I	3		CRM 505 A	Terrorism and Violence – II	3	
CRM 508	Human Rights	3		CRM 507 A	Criminology Psychology	3	
CRM 510	Organizational Behavior and Human ResourceDevelopment	3		CRM 509	Policing	3	
				CRM 555	Cyber Crime	3	

### FOURTH YEAR

Seventh Semester		C.H.
CRM 601 A	Criminal Investigation Methods3	
CRM 603 A	Organised Crime and Money Laundering	3
CRM 605 A	Forensic Science in Criminology	3
CRM 607	Procedures of Evidence in Criminal Law	3
CRM 609	Crime and Mental Health Issues	3
CRM 611	Crime and Criminality in Pakistan	3

<i><b>Eighth Semester</b></i>		<i><b>C.H.</b></i>
CRM 600	Community Justice and Crime Prevention	3
CRM 602 A	Community Policing	3
CRM 604 A	Methods of Research in criminology	3
CRM 606	Criminology and Social Policy3	
CRM 608	Media & Crime	3
CRM 610	Victimology	3

### M.Sc. (CRIMINOLOGY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-60 (EVENING)

**Pre requisite:** Bachelor's Degree in any discipline from any recognized University in Pakistan with a good second division score.

#### M.Sc. (Previous)

First Semester		C.H.
MCRM 501	Fundamentals of Criminology	3
MCRM 502	Criminal Justice System	3
MCRM 503	Introduction to Criminal Law	3
MCRM 504	Islamic Perspective on Crime	3
MCRM 505	Introduction to Security	3

#### M.Sc. (Previous)

Second Semester		C.H.
MCRM 506	Juvenile Delinquency and Female Criminality	3
MCRM 507	Terrorism and Violence	3
MCRM 508	Penology	3
MCRM 509	Criminal Psychology	3
MCRM 601	Victimology	3

#### M.Sc. (Final)

Third Semester		C.H.
MCRM 602	Policing	3
MCRM 603	Human Right	3
MCRM 604	Criminal Investigation Methods3	
MCRM 605	Research Methods	3
MCRM 606	Forensic Criminology	3

#### M.Sc. (Final)

Fourth Semester		C.H.
MCRM 607	Social Policy and Crime	3
MCRM 608	Organised Crimes and Money Laundering	3
MCRM 609	Viva Voce	3
MCRM 701	Dissertation/Research Project 6	

# SINDH UNIVERSITY LAAR CAMPUS **BADIN**

The University of Sindh, the 1<sup>st</sup> University of Pakistan established in Karachi under Sindh University Act xvii of 1947, published in the Sindh Government Gazette in April 1947. It was relocated in Hyderabad in 1951 and started functioning as teaching University whereas prior to this it was examining body. Realizing the dire need to provide access to higher education to people living in far flung areas with mediocre infrastructural facilities, such as in Laar region, the University established Laar College at Badin (S.U.L.C) as a constituent college of the University in 2007. The rationale behind this establishment was to provide opportunity of higher education access at their doorsteps to the inhabitants, particularly girls of Laar region, consistent with the education benchmarks prevailing in the competitive higher education industry in the global arena. The College has been re-designated as Laar Campus at Badin in 2011. Laar Campus Badin is 100 km far from Hyderabad, 120 km from Jamshoro, and it lies at 93 km east of Thatta, 98 km west of Mithi, 50 km south east of Tando Muhammad Khan and 200 km from Karachi.

The University of Sindh has made it possible to provide facilities to cater to the needs of the students by arranging scholarships on the basis of merit-cum-poverty free of cost high speed internet, classrooms equipped with multimedia, computer laboratories with internet facility, Seminar Library with good number of latest Books, Newspapers in various languages, sports facility, Pick and drop transport facility for nearby towns of district Badin, play ground, standby generator, Girls common room, in-campus car parking, water purification system installed with Electric water coolers, one day study tour, arrangement of Seminars/Workshops/Popular Lectures etc.

## PROGRAMMES

### *Bachelor Degree Programmes*

**BBA (Hons)**

**BS (Commerce)**

**BS (Computer Science)**

**BS (English Language & Literature)**



**Dr. Muhammad Siddique Kalhoro**  
Meritorious Professor, Ph.D (London)  
**Pro Vice-Chancellor**



## ALLOCATION OF SEATS:

The candidates having domicile of Badin, Tharparkar, Thatta, Sujawal, Tando Muhammad Khan, Umerkot, Mirpurkhas and Tando Allahyar are eligible for admission at Laar Campus, Badin. District wise allocation of seats is as under: Merit Seats: Badin 25, Tharparkar 05, T.M. Khan 05, Thatta 02, Sujawal 05, Umerkot 03, Mirpurkhas 03, Tando Allahyar 02, Girls seats will be treated as one pool for the Girl candidates of these districts. Students of these districts admitted at Main Campus, Jamshoro can be transferred to Laar Campus Badin in the corresponding discipline during the first semester provided seats are available. Thereafter no transfer request will be entertained, and not the vice-versa.

**Note:** If there is no candidate on waiting list of admission in any discipline in one district then the same Seat of that district will be allotted on merit to the candidate of other districts in the jurisdiction.

### Degree Programmes Offered: 04 Year (8-Semester) Degree Programme (Morning)

S	Discipline	Seats Available				
		Merit	Female	Employee	Self-Finance	Total
1	BBA (Hons)	50	10	02	15	77
2	BS (Commerce)	50	10	02	15	77
3	BS (Computer Science)	50	10	02	15	77
4	BS (English)	50	10	02	15	77

### Faculty Members are:

Kalhor, Dr. Muhammad Siddique, Meritorious Professor and **Vice-Chancellor**  
B. Sc (Hons), M. Sc (S.U.), Ph. D (London)

Baloch, Muhammad Nawaz, Associate Professor  
M. Com (SU), Ph. D. (United Kingdom)

Abro, Altaf Hussain, Assistant Professor  
BS IT (SU), Ph. D. (Netherland)

Abbasi, Khalid Hussain, Assistant Professor  
M.Com (SU), Ph.D. (S.U.)

Bhatti, Khalil-U-Rehman, Assistant Professor (**Incharge, Business Administration**)  
MBA (SU), MS (BIZTEK), Ph.D. (S.U.)

Bhatti, Azeem Akhtar, Assistant Professor  
M.Com (SU), M.S (MAJU, Karachi), Ph.D.

Talpur, Fozia, Assistant Professor

BS (Electronics) (SU), M.S. (BIZTEK)

Chandio, Muhammad Tufail, Assistant Professor (**Incharge, English**)

MA (English) (SU), M.Phil. (S.U.), Ph.D. (S.U.)

Jamali, Sanaullah, Assistant Professor

BS (SU), M.Phil. (SU), Ph.D.

Memon, Atia Bano, Assistant Professor

BS (SU), Ph.D. (Germany)

Patoli, Abdul Qadir, Assistant Professor (**Incharge, Commerce**)

M.Com (SU), M.S (BIZTEK), Ph.D.

Luhana, Kirshan Kumar, Assistant Professor

BS (CS) (SU), Ph.D. (Austria)

Shah, Ghulam Murtaza, Assistant Professor

MBA (SU), Ph.D. (S.U.)

Tahal Kumar, Assistant Professor

MBA (SU), Ph.D. (S.U.)

Awan, Muhammad Irfan, Lecturer

BS (SU), M.Phil.

Dileep Kumar, Lecturer (On Study Leave)

MS- IT, Superior College Lahore

Nohrio, Hakim Ali, Lecturer

BBA (Hons) (SU), MS (MAJU)

Shaikh, Sana Gul, Lecturer (On Study Leave)

M.Com (SU), M.Phil. (MAJU, Karachi)

Solangi, Haji Ahmed, Lecturer (On Study Leave)

M.Com (SU)

09 Teaching Assistants

08 Visiting Faculty (for various compulsory subjects in 04 Disciplines)

### Admission Requirements

**Eligibility:** Refer General Information Section of this Prospectus for the eligibility of each degree Programme.

**Pre Admission Test:** The aspirant candidates will have to undergo a screening written test consisting of MCQs from the subjects such as General knowledge, Pakistan Study and Islamic Studies, General Science, Economics, Commerce, Mathematics and Current Affairs.

**Curricula:** The Syllabus for the Programmes offered at Laar Campus Badin are the same as for the Programmes on the main Campus University of Sindh, Jamshoro.

## SINDH UNIVERSITY CAMPUS MIRPURKHAS

Sindh University Mirpurkhas Campus has been striving hard to provide quality higher education to everyone under the Sindh University slogan “bringing higher education at your doorsteps”. The campus presently offers highly career & market-oriented degree programs which would equip our students with 21<sup>st</sup> century knowledge & skills in order to survive and thrive in knowledge-based & innovation-driven economy. The campus has qualified faculty and professional administrative staff needed for effective delivery of quality higher education and services to students. Overall, we are committed to support our youth in realizing their true potential & achieving their aspirations & life-goals.



**Prof. Dr. Imamuddin Khoso**  
Focal Person  
PhD. (Japan)  
Post Doctorate (Canada)

### PROGRAMMES

#### ***Bachelor Degree Programmes***

BBA (Hons)  
BS (Commerce)  
BS (Computer Science)  
BS (Information Technology)  
BS (English Language & Literature)





## Programmes Offered:

Sindh University Campus, Mirpurkhas offers 4-year (8 semesters) BS Degree Programmes in six disciplines viz. Business Administration, Commerce, Computer Science, Information Technology and English as under, with admission on rural / urban district-wise quota basis as at the Main Campus.

## Seats Distribution

### Allocation of Seats Discipline-wise

S#	Discipline	Number of Seats			
		Merit Seats	Female Quota	Commerce Quota	Total Seats
1.	BBA (Hons)	36	08	04	48
2.	BS (Computer Science)	36	08	---	44
3.	BS (Information Technology)	36	08	---	44
4.	BS (Commerce)	36	08	---	44
5.	BS (English Language and Literature)	36	08	--	44

Seats under Commerce Quota above are divided as under: -

	Male	Female	Urban	Rural
<b>BBA (Hons)</b>	2	2	1	1

District-wise allocation of seats on the basis of urban/rural-wise will be as under (subject to confirmation of U/R status by the Secretary Local Government Sindh): -

S#	District	Rural	Urban	Total
1.	Mirpurkhas	09	06	15
2.	Sanghar	03	03	06
3.	Umerkot	03	03	06
4.	Tharparkar	06	03	09

**Notes:** Candidates having domiciles of Mirpurkhas, Sanghar, Umerkot and Thar will be eligible for admission. Students of these districts admitted in University of Sindh, Jamshoro can be transferred to Sindh University Campus, Mirpurkhas in the corresponding disciplines during First semester. No application for transfer will be entertained thereafter.

## Teaching Faculty:

Nizamani, Sarwat, Professor (Computer Science)

M.Sc. Computer Science (S.U.) 1999, Ph.D. (Southern, Denmark) 2014

Nizamani, Sehrish Basir, Assistant Professor (Information Technology)

BSIT (S.U.) 2005, M.Phil. IT (S.U.) 2014

Nizamani, Saad, Assistant Professor (**HoD Information Technology**)

BS (CS) (S.U.) 2007, MS (CS) PAFKIET Karachi, 2013

Junejo, Dahshilla, Assistant Professor (**HoD Commerce**)

M.Com. (S.U.) 2005, MS (MUET) 2014

Bhutto, Hameedullah, Assistant Professor (Islamic Studies)

MA Islamic Culture (S.U.) 2002, MA Dars-e-Nizami (Lahore) 1999, M.Phil. Islamic Culture (S.U.) 2014, Ph. D (Thailand) 2017

Soomro, Muhammad Hanif, Assistant Professor (Information Technology)

BS Information Technology (S.U.) 2007, MS Information Technology (QUEST) 2014

Laghari, Mehjabeen, Assistant Professor (Information Technology)

BSIT (S. U) 2010, M.Phil. (S.U.) 2016

Gilal, Naeem Gul, Assistant Professor (Business Administration)

MBA (SALU) 2007, MS (China) 2016, Ph.D. (China) 2019

Solangi, Muhammad Ali, Assistant Professor (**HoD Geology**)

M.Sc. (S. U) 2002, M.Phil. (S.U.) 2016

Memon, Zulfiqar Ali, Assistant Professor (Business Administration)

MBA (S.U.) 2012, Ph.D. (China) 2019

Solangi, Nadeem Ahmed, Lecturer (**HoD English Language and Literature**)

MA English Literature (S.U.) 2005

Syed Sajid Ali Shah, Lecturer in Commerce (**HoD Business Administration**)

M.Com. (S.U.) 2008

Jamali, Abdul Samad, Lecturer (**HoD Computer Science**)

B.E (QUEST) 2007

Kalhor, Javed Ali, Lecturer in Geology

BS Geology (S.U.) 2011

Hakro, Tauqeer Hussain, Lecturer (Commerce)

M.Com (S.U) 2010, MBA (S.U) 2017, M.Phil. (In Progress)

Kazi, Nabeel Hussain, Lecturer (Electronics)

BS (Electronics) (S.U.) 2010



## MOHTARMA BENAZIR BHUTTO SHAHEED SINDH UNIVERSITY CAMPUS **DADU**

University of Sindh is the oldest University of Pakistan which was established in April 1947 in order to impart quality education to the rural masses of the area. University of Sindh has established its campus in 2011 at Dadu under the **President of Pakistan's directives, fulfilling the vision of Shaheed Mohtarma Benazir Bhutto** who was keen to disseminate education in Pakistan particularly in rural areas, with the untiring efforts of the Senior Minister of education, Government of Sindh.

The establishment of Dadu campus facilitates increasing number of college students of districts of **Dadu, Naushehro Feroze and Jamshoro (Sehwan & Bhan Saeedabad)** who in spite of their keen interest, cannot pursue higher education in Jamshoro / Hyderabad / Karachi due to socio-economic constraints. Poverty is major problem of the rural Sindh and is a barrier for seeking higher education.

Therefore, the University of Sindh has timely established its campus at Dadu which goes a long way for **the betterment and enhancement of education** in the province. It is presently housed in Ustad Bukhari Government Degree College Dadu premises while the Government of Sindh has allotted 50-00 acres of land free of cost in April 2012, at the distance of one kilometer in the south of Dadu city for establishment of Sindh University Campus, Dadu. The development work has been started. The plans are also underway to construct the campus building.



**Dr. Ghulam Sarwar Gachal**  
Meritorious Professor, Ph.D (UK)  
**Pro Vice-Chancellor**

### PROGRAMMES

#### **Bachelor Degree Programme (4 Years)**

- BBA (Business Administration)
- BS (Information Technology)
- BS (English Language & Literature)

#### **Master Degree Programme**

- MBA (Evening) 2 Years (6 Semesters)
- MA (English Language & Literature) 2 Years (4 Semesters) (Evening)



### Degree Programmes offered in Morning

Programmes	Merit	Female	Total
BBA/BSIT/BS (English)	50	10	60
MBA 04 YEARS	50	10	60

### Degree Programmes offered in Evening

Programmes	Total Seats
MBA 02 Years (06 Semesters)	60
MA (English) 02 Years (04 Semesters)	60

#### Distribution of Seats

District-wise allocation of seats on the basis of urban/rural wise will be as under (Subject to confirmation of Urban/Rural status by the Secretary, Local Government of Sindh)

S#	District	Rural	Urban	Total
1.	Dadu	24	16	40
2.	Naushehro Feroz	03	02	05
3.	Jamshoro	03	02	05
Total		30	20	50

**Note:** The candidates having domicile of Dadu, Jamshoro, and Naushehro Feroze will be eligible for admission in (Morning Programme). Students of these districts admitted at Main Campus, University of Sindh, Jamshoro can be transferred to Sindh University Campus Dadu in the corresponding discipline during the first semester provided seats are available.  
No application for transfer will be entertained thereafter not vice versa.

#### Faculty Members are:

Gachal, Ghulam Sarwar, Professor Meritorious and Pro Vice Chancellor  
M.Sc. (S.U.) 1989, Ph.D. (U.K) 2002

#### Department of Business Administration

Malak, Sarfraz Ali, Assistant Professor (On Study Leave)

MBA (SU) 2007, M.Phil. (S.U.) 2017, Ph.D. (Research Fellow)

Channa, Muhammad Asif, Assistant Professor (**Head of Department**)

MBA 2008, M.Phil. (SALU) 2017, Ph.D. (Research Fellow)

Soomro, Mansoor Ahmed, Assistant Professor

MBA 2011, M.Phil. (SALU) 2017, Ph.D. (SALU) 2020

Lashari, Amjad Hussain, Lecturer

MBA (SALU) 2007, M.Phil. (SALU) 2018, Ph.D. (Research Fellow)

Shar, Athar Ali, Lecturer

BBA (SALU) 2010, MS (IIU) 2015

Thebo, Nana Hatim, Teaching Assistant

BBA 4-year (S.U Campus Dadu) 2016, MBA (SU) 2020

#### Department of English

Kaloi, Muhammad Ashraf, Lecturer (**Head of Department**)

MA (Literature) 2009 (FUAFT), MA (Linguistics) (KU) 2011, M.Phil. (S.U.) 2020

Magsi, Adnan, Lecturer

MA (English) (S.U.) 2011, M.Phil. (China) 2020

Aqsa Shah, Teaching Assistant

BS (English) (S.U Campus Dadu)

#### Department of Information Technology

Shaikh, Farhan Bashir, Assistant Professor (On Study Leave)

BE (MUET), MS (SZABIST) and Ph.D. in Progress

Memon, Muhammad Suleman, Assistant Professor (**Head of Department**)

BE (CS) MUET 2008, ME (IT) MUET 2014, Ph.D. (Research Fellow)

Panhwar, Kalsoom, Assistant Professor

BE (CS) 2011, ME (CS)(MUET) 2016, Ph.D. (Research Fellow)

Mallah, Abdul Jabbar, Lecturer

B.Sc. (Maths) (S.U.) 2009, M.Sc. (Maths) (QAU) 2011, M.Phil. (Research Fellow)

Jamali, Muhammad Saleem, Teaching Assistant

BE (Telecommunication) (MUET) 2017

## SINDH UNIVERSITY CAMPUS LARKANA

Sindh university campus Larkano (SUCL) was established on the Presidential Directives of His Excellency Mr. Asif Ali Zardari, the then President of Pakistan followed by the directives of then Prime Minister of Pakistan, Chief Minister of Sindh and recommendation of the Higher Education Commission of Pakistan and on 1<sup>st</sup> Feb 2013 initially at the premises of Government of Arts & Commerce College Larkano but recently under the dynamic leadership of Prof. Dr. Azhar Ali Shah the Campus has been shifted to newly constructed and well-furnished Parvin Etsami Building, Wagan Road Larkano.

SUCL is providing state of the art learning facilities through various degree programs through department of Business Administration, Department of English Language & Literature and Department of Computer Science. The Campus also offers 2 years Master Programs including MBA and MA English in the evening shift. At present more than 700 male and female students from Larkano as well as Qamber Shahdadkot, Shikarpur, Jacobabad and Kashmore districts are benefitting from quality education provided at doorsteps through historic inherited legacy of the University of Sindh. State of the art facilities and resources of SUCL include: well qualified faculty, well-resourced library, scholarships, financial aid for deserving students, e-portal with online attendance ,results and form submission, sports and extracurricular activities through STAGS, Computer Lab with latest networked computers, well-furnished class rooms, girls common room , proper admin and faculty offices, very large auditorium, cafeteria, lush green parks and all that shall make learning an enjoyable experience.



**Prof. Dr. Azhar Ali Shah**  
Focal Person  
Ph.D (UK)

### PROGRAMMES

#### **Bachelor Degree Programmes**

BBA (Business Administration)

BS (Computer Science)

BS (English Language & Literature)

#### **Master Degree Programme (Morning)**

MA (English Language & Literature)  
2 years (4 Semesters)

#### **Master Degree Programmes (Evening)**

MA (English Language & Literature)  
2 years (4 Semesters)

MBA 2 years (6 Semesters)



### Distribution of Seats

District-wise allocation of urban and rural seats for each Programme discipline is as given below:

S#	District	Total
1.	Larkana	38
2.	Qamber @ Shahdad Kot	07
3.	Shikarpur	05
4.	Jacobabad	05
5.	Kashmore	05
<b>Total</b>		<b>60</b>

The candidates having domicile of Larkana, Qambar @ Shahdadkot, Shikarpur, Jacobabad and Kashmore districts are eligible for admission in the Campus.

The students enrolled at University of Sindh, Allama I.I. Kazi Campus Jamshoro may be transferred to Sindh University Campus Larkana in corresponding discipline during the first semester, provided that the seats are vacant.

No application for transfer will be entertained thereafter not vice versa.

### Faculty Members are:

Gachal, Ghulam Sarwar, Professor Meritorious and Focal Person  
M.Sc. (S.U.) 1989, Ph.D. (U.K) 2002

### Department of Business Administration

Shaikh, Ghulam Mustafa, Assistant Professor and **Head of Business Department**  
BBA (SALU) 2006, MBA (SU) 2008, MS (IBA, Sukkur, Gold Medalist) 2013 and Ph.D. (SALU) in Progress

Kalhor, Maryam, Lecturer (On Study Leave)  
BS (Commerce) (S.U.), MBA (SZABIST) and Ph.D. in Progress

Maitlo, Ayaz Ali, Lecturer

BBA (SALU), MBA (SZABIST) and Ph.D. in Progress

Sangi, Sartaj Ahmed, Teaching Assistant

MBA (SZABIST), Ph.D. in Progress

Chandio, Quratulain, Teaching Assistant

MBA (SZABIST), B. Com (SALU)

### Department of Computer Science

Kanasro, Nadeem Ahmed, Assistant Professor (On Study Leave)

MCS (SU), M.Phil. (SU) and Ph.D. in Progress

Jamali, Asif Ali, Lecturer (On Study Leave)

BE (MUET, PK), ME (MUET, PK) and Ph.D. (S.U.) in Progress

Samoon, Shazia, Lecturer and **Head of Computer Science Department**

BSCS Silver and Gold Medalist (SU), M.Phil. in Progress

### Department of English Language and Literature

Kumbhar, Chahat Batool, Teaching Assistant and **Head of English Department**

BS English (S. U) 2016, B. Ed. (AIU) 2019, Ms (MUET) in Progress

Jhatial, Ruzwana, Teaching Assistant

BS English (SUCL) 2016

Kalhor, Erum, Teaching Assistant

BS English (S.U.)2017, MS (S.U.) in Progress

In addition to the regular Faculty, a large number of professionals and senior faculty members of various Universities, Degree Colleges and Organizations are engaged to impart quality education as visiting faculty at Sindh University Campus Larkana.



# SINDH UNIVERSITY CAMPUS THATTA

Sindh University Campus Thatta was established as an additional campus on 18<sup>th</sup> August 2012. The Campus was established to provide quality higher education to the students of Thatta, Sujawal and surrounding areas. Up until now, it has produced hundreds of professionals in Business, English and Computer Science discipline. The alumni of this campus are working at key positions in various professions. Currently, more than 300 students are enrolled in various programmes offered by the campus.

## **Mission**

Empowering youth to fulfill their academic and professional passions in a university campus which is diverse, welcoming and inclusive.

## **Vision**

To develop the campus as a leading institution for providing higher education in the region.

The component department of the campus are:

1. Department of English Language and Literature
2. Department of Business Administration
3. Department of Computer Science
4. Centre for Coastal and Deltaic Studies



**Prof. Dr. Rafique. A. Memon**  
Pro Vice Chancellor  
Ph.D (U.K)

## **PROGRAMMES**

### ***Bachelor Degree Programmes***

BBA (Business Administration)  
BS Computer Science  
BS (English Language & Literature)

### ***Master Degree Programmes (Morning)***

Master of Commerce (M.Com)  
M.A (English Language & Literature)

### ***Master Degree Programmes (Evening)***

M.B.A (Evening) Business Administration  
M.Sc. Coastal Zone Management



## Degree Programmes

The Sindh University Campus Thatta offers 04 years Bachelor Degree Programmes and 2-year Master degree Programmes in Business Administration, English and Coastal Zone Management under district wise Urban and Rural quota-based admission procedure.

The Campus also offers M.Phil. degree Programme in Coastal and Marine Science and Coastal Zone Management.

### Degree Courses offered at University of Sindh Campus Thatta

S #	04 Year Bachelor Degree Courses	Merit	Female Quota	Employees Quota	Self-Finance	Total
1.	Business Administration (BBA)	50	06	02	10	68
2.	Computer Science (BS)	50	06	02	10	68
3.	English (BS)	50	06	02	10	68
	<b>02 Year Master Degree Courses</b>					
1.	English MA (Morning Programme)	50	06	02	10	68
2.	Commerce M.Com (Morning Programme)	50	06	02	10	68
3.	Business Administration MBA (Evening Programme)	60				60
4.	Coastal Zone Management M.Sc.(Evening Programme)	60				60

## Distribution of Seats

District-wise allocation of seats on Urban/Rural quota system will be as under (subject to confirmation of U/R status by the Secretary Local Government)

S#	District	Rural	Urban	Total
1.	Thatta	08	05	13
2.	Suiawal	04	03	07
3.	Badin	03	02	05
4.	Tando M. Khan	03	02	05
5.	Tharparkar	03	02	05
6.	Jamshoro	03	02	05
7.	Karachi	05	05	10
<b>Grand Total</b>				<b>50</b>

**Eligibility criteria for Admission:** Refer to the General Information Section of this Prospectus for the eligibility of each degree Programme. Pre Entry Test will be conducted at Sindh University Campus, Thatta.

The students enrolled at University of Sindh, Allama I.I. Kazi Campus Jamshoro may be transferred to Sindh University Campus Thatta in corresponding discipline during the first semester, provided that the seats are vacant. No application for transfer will be entertained thereafter not vice versa.

In addition to the regular teaching faculty; a large number of professionals and senior faculty members of various universities, degree colleges and organizations are engaged to impart quality higher education as visiting faculty at the Thatta Campus

### Faculty Members are:

**Memon, Rafique Ahmed, Professor and Pro Vice Chancellor**  
Ph.D. TESOL, 2006 (Leeds). UK, M.Ed. 1995 TESOL (Leeds, UK), MA (S.U.)1990,

**Mahar, Mukhtar Ahmed, Professor and Director**  
M.Sc. 1995, Ph.D. (SU) 2009

**Bakari, Haroon, Assistant Professor**  
MBA (S. U) 2009, M.Phil. (NDU) 2016, Ph. D Scholar (S.U.)

**Hulio, Mumtaz Ali. Lecturer**  
MBA (QAU Islamabad) 2011, M.Phil. (S.U.) 2020

**Lund, Irfan Ali, Lecturer**  
MBA (S.U.) 2011, M.Phil. Scholar (S.U.)

**Soomro, Suhaib Ahmed, Lecturer**  
BBA (Suk IBA Uni) 2011, M.Phil. (SALU) 2020

**Lashari, Asadullah, Lecturer**  
BS English (S.U.) 2012, MS (SZABIST) 2018 (On study leave)

**Solangi, Hassan Ali - Lecturer**  
MBA Finance (SZABIST) MS (SZABIST)

**Syeda Fiza Shah, Teaching Assistant**  
MBA Finance (SUTC), M.Phil. Scholar (S.U.)

**Jhatial, Soomal, Teaching Assistant**  
BS CS (SU), M.Phil. Scholar (S.U.)

**Memon, Shahryar Ahmed, Teaching Assistant**  
BS English Linguistics (SUTC), M.Phil. Scholar (S.U.)

**Memon, Gul Sana, Teaching Assistant**  
BS English Linguistics (SUTC), M.Phil. Scholar (S.U.)

**Khatiri, Muhammad Ali**  
BS CS (SUTC)

**Qureshi, Shoair Ali, Teaching Assistant**  
BS English Language (NUML), M.Phil. scholar (S.U.)

**Jutt, Ayesha Komal, Teaching Assistant**  
BS English Linguistics (SUTC), M.Phil. Scholar (MUET)

#### **Centre for Coastal and Deltaic Studies, University of Sindh Campus Thatta**

Centre for Coastal and Deltaic Studies (CCDS) was established on 8<sup>th</sup> December 2015 at Sindh University Thatta Campus located at Makli, Sindh, Pakistan. It is an interdisciplinary education and research centre for providing trained human resource and research-based solutions related to coastal and deltaic region of Pakistan. The purpose of the centre is to strive for the improvement, management and socio-economic development of coastal community, fisheries sector, mangrove vegetation, reduction of rapidly changing ecosystem by seawater intrusion and climate change. Pakistan is having coastal line of about 990 km in Baluchistan and Sindh provinces touching to Arabian Sea. The Sindh coastal line is of approximately 350 kilometers extends from the Hub river delta in the north-west to the Runn of Kutch along the Indian border covering Karachi and six talukas (sub-districts) of district Thatta such as Keti Bandar, Shah Bandar, Ghorabari, Jati, Mirpur Sakro and Thatta taluka besides the Sujawal and Badin districts. The Indus river delta is the 7<sup>th</sup> largest delta in the world. It is a productive zone known to be a natural hatchery for a number of marine fauna and flora of Arabian Sea. Due to decrease in water and silt and rising sea levels due to climate change the

Indus Delta along with its living resources is under Threat. The CCDS conducts research of applied and basic nature with collaboration of government departments/ministries/agencies, NGOs and National and International Organizations.

#### **Mission**

To build human resource capacity and provide research based solutions to challenges and opportunities related to coastal and delta regions of Pakistan in the context of changing ecosystems, seawater intrusions, sea level rise and climate change.

#### **Aim and Objectives**

The CCDS with collaboration of academic institutes, government departments/ministries, non-government organizations (NGOs) and international organizations work for the promotion of technical education, scientific research on different aspects and issues related to the marine coastal and delta eco-systems, socio-economics of inhabitant community, natural disasters such as cyclones, floods, seawater intrusion, erosion, sea level rise with special reference to the threat of climate change.

#### **Degree Programme**

The Centre for Coastal and Deltaic Studies plans to offer a number of training courses and postgraduate degree courses such as MSc, M.Phil. and Ph.D. in related disciplines.

#### **Disaster Risk Reduction (DRR) Centre**

To inform and guide practitioners and policy makers about drivers of risk and the way they influence or contribute to the generation of risks within Coastal areas;

To define specific actions that will improve risk management at local, national and regional levels; and

To generate baseline data for measuring progress (or setbacks) of how underlying risk drivers are addressed over time

### **COASTAL ZONE MANAGEMENT**

#### **M.SC. (PASS) 02 YEAR (04 SEMESTERS) DEGREE PROGRAMME (CH-72)**

Pre-requisite; B.Sc., BS degree in any Science discipline

#### **M.COM 02 (04 SEMESTERS) DEGREE PROGRAMME (CH-60)**

Pre-requisite: B. Com (Pass) degree.



## KHAN BHADUR SYED ALLAHNDO SHAH SINDH UNIVERSITY CAMPUS **NAUSHAHRO FEROZE**

The establishment of Khan Bahadur Syed Allahando Shah (KBSAS) Campus is one of the missions of the University of Sindh to support the people of Naushahro Feroze to meet the development of intellectuality, management and educational standards and to provide access to the students of different colleges of adjoining areas of District Naushahro Feroze for quality education and human resources at their door step. This campus is a vision of Syed Allahando Shah *alias* Syed Zaffar Ali Shah, the grandson of Khan Bahadur Syed Allahando Shah on his donated land for the better cause extending the higher education in order to provide the approachable institution to the poor communities.

It is located along the side of link road between Naushahro Feroze and Shaheed Benazirabad beside the Madrassa High School in the main city. This Campus offers BS four year program and two years Masters and also the research projects in the field of Business Administration, Information Technology and English Language and Literature (ELL). The KBSAS Campus at Naushahro Feroze is endeavoring for the betterment and enhancement of education in terms of starting new disciplines in coming future.

The qualified Teaching Assistants and visiting faculty members are providing the innovative and excellent learning process through new trends of teaching methodologies.



**Prof. Dr. Agha Asad Noor Pathan**  
Focal Person  
Ph.D (S.U)

### PROGRAMMES

#### ***Bachelor Degree Programmes***

BBA (Hons)

BS (Information Technology)

BS (English Language & Literature)

#### ***Master Degree Programmes***

MA (English Language & Literature) Morning

MBA (Evening) 2 Years (6 Semesters)

### Degree Programmes offered at University of Sindh Campus Naushahroferoz

S#	Degree Programmes	General Merit	Female Quota	Total
1.	BBA (Hons) 04 Year Programme	50	10	60
2.	BS (Computer Science) 04 Year Programme	50	10	60
3.	BS (Information Technology) 04 Year Programme	50	10	60
4.	BS (English) 04 Year Programme	50	10	60
5.	MBA (04 Year Programme)	50	10	60
6.	MA (English) 02 Yeas Programme	50	10	60
7.	MBA (02 Year Evening Programme)	50		

### Distribution of Seats

District-wise allocation of seats on the basis of Urban/Rural quota will be as under:

S#	District	Rural	Urban	Total
1.	Naushahroferoze	30	08	38
2.	Shaheed Benazirabad/ Nawabshah	04	02	06
3.	Khairpur	03	00	03
4.	Dadu	03	00	03
	<b>Total</b>	<b>40</b>	<b>10</b>	<b>50</b>



Prof. Meritorious Dr. Muhammad Siddique Kalhoro (Vice Chancellor) during the visit of the Pre-Entry Test Centres 2023 (Male)



Prof. Meritorious Dr. Muhammad Siddique Kalhoro (Vice Chancellor) while press briefing regarding PET-2023 arrangements



Male & Female candidates Moving towards Pre-Entry Test Centres 2023



Candidates coming out from the Pre-Entry Test centres 2023





Prof. Meritorious Dr. Muhammad Siddique Kalhoro (Vice Chancellor)  
14th August 2022 Independence day celebrations and  
national flag hoisting ceremony.



Prof. Meritorious Dr. Muhammad Siddique Kalhoro (Vice Chancellor)  
headed the international womens day rally.



Female candidates appearing in Pre-Entry Test 2023



Prof. Meritorious Dr. Muhammad Siddique Kalhoro visited on going sports  
activites



Mr. Muhammad Ismail Rahu (Pro-Chancellor) and Minister Universities and Boards & Prof. Meritorious Dr. Muhammad Siddique Kalhoro (Vice Chancellor) presiding 43rd meeting of the senate.



Prof. Meritorious Dr. Muhammad Siddique Kalhoro, presiding over the 43rd meeting of the Academic council, University of Sindh.



# HOSTEL FACILITIES

The University provides residential facility to nearly 4000 male & female students in various hostels. There are total 13 hostels, 10 for boys and 3 for girls. Marui Girls Hostels consist one Postgraduate and two Undergraduate Hostels.

It is the responsibility of the Hostel administration to make students stay comfortable. The purpose of student stay on the campus is to equip them with knowledge and skills to face the challenges which demand disciplined behavior. To achieve that the Provost, Deputy Provost and Wardens of the Hostels are available to ensure your well being and resolve your difficulties. Further, the Hostel authorities have plan to designate Wing Monitors and Senior House Monitors in every Hostel address to your immediate or day to-day problems, e.g., maladjustment with room-mate or any grievance concerning food, hygienic conditions, cleanliness and other facilities.

## **Facilities provided to the Hostlers**

1. *Food Facility:* Fifteen Canteens inside Hostels and one Central Canteen is setup on main campus which provide meals and tea on subsidized rates fixed by the Hostel Management.
2. *Drinking Water:* Clean- bacteria free (UV treated) water is available in every Hostel.
3. *Entertainment/ Academic:* Internet facility, TV Cable connection and indoor sports facility.
4. *Bus Service:* Shuttle Bus service connecting Hostels to the Jamshoro town and Hyderabad city has been provided.

## **Hostel Regulations**

Accommodation in Sindh University Hostels is allowed to students subject to the availability of seats and in accordance with the University of Sindh Hostel Regulations.

In the interest of your own comfort safety and studies you have to create a conducive environment for this, it is essential that you fully understand and follow following Rules and Regulations.



**Mr. Pasand Ali Khoso**  
Provost Boys Hostels



**Note:- Accommodation in hostels will be subject to availability**



**Dr. Naheed Arain**  
Provost Girls Hostels

## Rules and Regulations for Hostels

### What students must avoid getting involved in:

1. Keeping unauthorized persons in the room/seat allotted to a Hostel resident.
2. Subletting the allotted room or any other room lying vacant for any reason.
3. Nonpayment of Hostel dues during the quarter of the year for which allotment was given in the Hostel.
4. Keeping and using drugs or other intoxicants except drugs prescribed by authorized medical expert on account of illness.
5. Keeping electric appliances such as refrigerators/air conditioners T.V., oven, burners and heaters etc.
6. Parking cars or other vehicles in places other than the designated parking lot.
7. Engaging in any immoral or agitation and violent activities or creating nuisance or disturbing the peace and tranquility on the campus.
8. Inviting or entertaining female visitors in the Hostel rooms of the male Hostel.
9. Causing willful damage or causing damage, acts of vandalism, removing or damaging Hostel / University property.
10. Barricading stairs, corridors, gates, and other areas in the Hostel.
11. Staging sit-in, Lockup, occupying Hostel/ warden / administration offices.
12. Use of abusive language towards other resident's / University authorities and employees.
13. Use of Hostel room / premises for group politics, political assemblies and for purpose, other than those for which they are meant.
14. Inviting outsiders to address Hostel residents without permission of the authorities.
15. Pasting of posters / chalking on Hostels / campus buildings / premises/ compound-walls or any portion thereof.
16. Inciting parochial, linguistic, sectarian / religious / feelings among Hostel residents.
17. Staying away from the Hostel premises after 11.00 pm and before call for Fajar prayer or for longer periods without prior permission from higher authorities. (Applies to boys' hostel only).

18. Late comers or early deportees would be required to sign in a register at the Reception, stating valid reasons for late coming or early departure.
19. The Hostel authorities reserve the right to search the personal belongings and baggage of residents at the time of entering the Hostel or while residing in the allotted room.
20. Cooking in the Hostel rooms is strictly prohibited.
21. No visitor shall be allowed to meet the residents of Hostels before 7:00a.m. and after 8:00 p.m. He shall have to record his name and address and signature and time of arrival and departure in the register kept at reception.
22. No guests are allowed to stay in the hostels at any cost.
23. Student will be self-responsible for keeping personal precious belongings (Mobile phone, camera, gold, money and electronic devices etc.) in lockers in their rooms.
24. Students will have to take over and hand over in writing the items (bed, tables, chairs, ceiling fans, tube lights etc.) available in their room.
25. Without the permission of Hostel Administration dismantling, replacement or shifting of any item from one room to another room is strictly prohibited.

### PLEASE NOTE:

The Hostel Accommodation Form (**in addition of Hostels Form Fee Challan of Rs.100/- that could be paid at any Branch of HBL**) must be obtained from the Student's E-Portal. The application forms duly filled-in and completed in all respects, be submitted in the office of the Provost, Boys Hostels/ Provost, Girls Hostels, University of Sindh, **after getting admission in the University**.

Hostel Accommodation is limited and to be provided subject to the availability of vacant seats.



## Students' Financial Aid Office

The University has taken initiative for providing financial relief to meritorious and deprived students with the financial assistances/need based scholarship Programmes. In this regard, University of Sindh has established the "Students' Financial Aid Office" (SFAO), providing access to quality education through Need-based and Merit-based Scholarships.

All Scholarships/Financial Aid Cases are routed through SFAO. A centralized record of all students getting any Financial Aid is kept in SFAO.

At the moment, SFAO covers the following scholarships / financial assistances offered by:

S#	Name of Scholarship	Sponsors/Donors
01	HEC Need-Based Scholarship	Higher Education Commission of Pakistan
02	Pakistan Scottish Scholarship for Women	British Council
03	Ehsaas Scholarship	Higher Education Commission of Pakistan
04	Need-Cum-Merit Scholarship	Auqaf, Religious Affairs, Zakat & Ushr Department, Government of Sindh
05	Minority Scholarship	Ministry of Minority, Govt. of Pakistan
06	Free ships & Bursary	University of Sindh, Jamshoro
07	Scholarship for Disable Students	University of Sindh, Jamshoro
08	Schedule Caste Scholarship	Deputy Commissioner Office
09	Al-falah Scholarship	Al-Falah Foundation
10	Diya-Pak Scholarship	Diya Pak Foundation
11	Student Welfare Fund	University of Sindh
12	Sindh Educational Endowment Fund Scholarship	The College Education Department, Government of Sindh
13	District Zakat Committee Scholarship	The Government of Balochistan
14	Punjab Educational Endowment Fund (PEEF)	The Government of Punjab
15	Prof. Amena Khasmisani Scholarship for English Department	Khasmisani Family
16	Student Welfare Fund Scholarship	Sindh University Faculty Members
17	Indigenous Scholarship M.Phil./Ph.D. Students	Higher Education Commission, Sindh
18	Sindh HEC Scholarship	Higher Education Commission, Sindh

The Students' Financial Aid Office, University of Sindh, under the platform of **HEC Need Based Scholarship**, has managed to provide 350 scholarships among needy and meritorious students during academic year 2012-13, 490 scholarships in 2013-14, 300 scholarships in 2014-15, 611 scholarships in 2015-16, 500 scholarships in 2016-17, 450 scholarships in 2017-18 and 500 scholarships in 2018-19. Furthermore, 400 students belonging to various districts of Sindh have been benefitted with the handsome award of **Need-Cum-Merit Scholarship**, and last but not the least, 5 female scholars have been awarded with the **Pakistan Scottish Scholarship**, in which each candidate received an attractive stipend of Rs. 120,000/-

The Students' Financial Aid Office (SFAO) has also developed the Standard Operating Procedures (SOPs) regarding Internal (University) and external Scholarship Programmes; this office has developed an Application Performa regarding University Scholarship Programmes.

**FINANCIAL ASSISTANCE:** The University grants limited Free ships and Bursaries to the deserving students on Poverty-cum-Merit basis. The University has instituted two **new Scholarships** to be awarded every year to: **a) Hundred (100)** Scholarships to meritorious needy students joining the University. **b) fifty (50)** scholarships to students admitted on disabled quota. Dr. Sauer Scholarship is also awarded to local female students on merit basis.

(i) **SCHOLARSHIPS:** Scholarships are also awarded for outstanding performance by the District Councils, Directorate of College Education in Sindh and by other agencies.

### INTRODUCTION OF EHSAA SCHOLARSHIP

The University of Sindh disbursed approx. 2500 scholarships under the "EHSAA Undergraduate Scholarship programmes" offered by Higher Education Commission, the scholarship contains Rs. 40000/- as stipend and full annual fees. Scholarship targets bachelor students who are enrolled on merit basis.



**Prof. Dr. Mushtaque Ali Jariko**  
Director  
Students Financial Aid Office

## ANTI-HARASSMENT CELL

### What is Harassment?

Harassment is an unwanted physical or verbal behavior that upsets or humiliates the individual. It is an unwanted conduct that occurs with the purpose of effect of violating the dignity of individual. Generally, harassment is a behavior that continues over time, despite your repeated objections. It may cause: general stress, insomnia, mental stress, self dislike, suicidal thoughts, low self-esteem, lack of concentration, reduced self-confidence. The harasser can be your class fellow or a lab fellow, a teacher or supervisor (for marks/grades/degree), clerk, laboratory assistant, peon, or individual of another department, or even a nonemployee.

### Anti-Harassment Cell at University of Sindh, Jamshoro

The Anti-Harassment Cell is approved on Government approved Act, "The protection against harassment of women at the workplace Act 2010" This Act builds on the principles of equal opportunity for men and women and their right to earn a livelihood without fear of discrimination as stipulated in the Constitution. According to this law, the institutions can deal with sexual harassment cases within the institution without going to the police or court of law.

- The syndicate approved the Anti-Harassment Cell in October 2010
- Adoption of HEC policy guidelines was held in February 2011 and the first three membered committee was constituted.
- Anti-harassment Cell and a complaint box are fixed at First Floor, Syed Ghulam Mustafa Shah Administration building, University of Sindh, Jamshoro vide letter No. PVC/SU/1361 dated: 22-08-2011.

### The inquiry committee and harassment complaint cell constitute the following members:

1. **Prof. Dr. Naseem Aslam Channa**  
**Chairperson,**  
Director, Institute of Biochemistry  
Faculty of Natural Sciences  
Email: [dnachanna@usindh.edu.pk](mailto:dnachanna@usindh.edu.pk)
2. **Prof. Dr. Misbah Bibi**  
**Member**  
Director, Institute of Gender Studies,  
Faculty of Social Sciences  
Email: [zareen.abbasi@usindh.edu.pk](mailto:zareen.abbasi@usindh.edu.pk)
3. **Mr. Ghulam Muhammad Bhutto**  
**Member**  
Director Admission  
Email: [gm.bhutto@usindh.edu.pk](mailto:gm.bhutto@usindh.edu.pk)

### How to Contact the Anti-Harassment Cell?

You can send your application on prescribed form at [usindh.edu.pk](http://usindh.edu.pk) website or on plain page. Unknown applications are not entertained. you can email your complaint on [harassmentcommittee@usindh.edu.pk](mailto:harassmentcommittee@usindh.edu.pk). Visit personally at our office at COMPLAINT CELL, Administration Block AC-2, First Floor or contact on Phone No. 022 9213247.

Your privacy is our first priority. You are totally safe and all complains will be kept confidential. Don't hesitate to come and share your fears.

## DIRECTOR STUDENT AFFAIRS

Welcome to the Department of Student Affairs (DSA). Our main objective is to facilitate students throughout their stay at the university. DSA provides a wide range of activities, services and resources to students in their academic, co-curricular and professional pursuit. The department also aims to remove the hurdles which can impede progress of students.

We believe that education is not only about influx of information, but it is also about imparting values and ideals that help students to have an objective and sober stance about society. Therefore, the department is striving to make students feel proud and instilling the spirit of tolerance, compassion and commitment.

DSA is striving hard to engage the youth in healthy activities such as sport competitions, festivals, rallies, seminars, workshops, trainings and other creative programmes at the University of Sindh,

### Objectives to be achieved:

- To provide an atmosphere of unity within the student body so that they may be able to have a good university experience and earn the respect of both the student community and the society at large
- To support the university administration in promoting physical, intellectual, cultural and spiritual wellbeing of students
- To inculcate new knowledge in students for human development and social transformation
- To create an environment of open discussion, inquiry and self-expression to ensure the personal freedom
- To promote a healthy and positive attitude among students in order to make them not only better citizens, but also better future leaders.

### Vision:

The vision of the Directorate of Student Affairs resonates with the vision of the University of Sindh i.e., providing students with art facilities and quality education which can enable students to be responsible, tolerant, peaceful and empowered leaders.

### Dr. Muhammad Younis Laghari

Director Student Affairs

Email: [director.sa@usindh.edu.pk](mailto:director.sa@usindh.edu.pk)

Phone: +92 22 9213179

Address: 10 Classes Building, Allama Iqbal Kazi New Campus, University of Sindh, Jamshoro.

## ALLAMA I.I. KAZI CENTRAL LIBRARY

### Historical Background

The present Allama I. I. Kazi Central Library became functional in 1975. This building is centrally located at a height commanding a grand view of the River Indus. It is in close proximity of the teaching faculties and student hostels.

The present collection of the library and its 48 Seminar libraries and six campuses consists of 448562 books i.e., approximately 80,000 books in the Oriental Section and an almost similar number of books in other sections. The library has precious and rare collection of approximately 711 manuscripts (Mostly 600 to 800 years old) and 25000 (Twenty-five thousand) rare books (19th century publications, both in occidental & oriental languages).

### SECTIONS OF THE LIBRARY

1	Acquisition Section
2	Allama I.I Kazi Reference Section
3	General Reference Section
4	Book Bank Section
5	Book Bank Reference Section
6	Circulation Section
7	Circulation Reference Section
8	Manuscript/Rare Book Section
9	Digital Library/Internet Section
10	Newspaper Section
11	Book Binding Section
12	Oriental Section
13	Technical Processing Section
14	Thesis Section (Ph.D/M.Phil)
15	United Nations Publication Section

Students of the University of Sindh are eligible for the membership of the Library. Also, students enrolled in various departments of the university are entitled to borrow the books from the three sections of Allama I.I. Kazi Central Library.

### Library Hours

#### Morning and Evening:

Summer & winter: 8:00am to 10:00pm without any break

#### Plr Bux Bajeeer

#### Librarian

Tel.No. Direct : 9213239 [librarian@usindh.edu.pk](mailto:librarian@usindh.edu.pk)

## SPORTS FACILITIES

The following sports facilities available at the Directorate of Sports (Boys and Girls), Univeristy of Sindh, Jamshoro.

1. Sindh University P.C.B. grassy Cricket ground
2. Hyder Bukhsh Jatoti Pavilion main grassy ground
3. Badminton Hall
4. Table Tennis Hall
5. Boxing Hall
6. Mader-e-Millat Fatima Jinnah Girls Gymnasium
7. Karate, Taekwondo, Ju-Jitsu, Judo, Wushu Floor
8. Gymnastic Hall
9. Playing Facility Foot Ball
10. Playing Facility Hockey
11. Playing Facility Volley Ball
12. Basket Ball Outdoor Court
13. Tennis Outdoor Court
14. Fitness Centre.

### Ajved Ahmed Bhatti

Director Sports (Boys)  
University of Sindh,  
Jamshoro.

## TRANSPORT FACILITIES

The Transport Section University of Sindh is providing the pick and drop facility to teachers, students of morning merit / self, staff members and employees. Moreover, Transport Section of the University of Sindh provides buses and vans to students for study visits, annual picnics and also for research activities. For hostel students including boys and girls, evening point buses are plied for students of Hyderabad city. The shuttles are also used to give service at mid time.

The Transport facility for evening programme would be on their own expenses at daily basis for pick and drop

## University of Sindh Information Technology Services Centre (UoS - ITSC)

In University of Sindh different campuses, faculties, institutes, departments and centres are widely using various IT applications and services for teaching, research and administration purposes. This growing usage of IT applications and services created a high demand to provide the best possible required IT support to all the stakeholders of University of Sindh. In pursuance of this University of Sindh established the centralized Information Technology Services Centre (ITSC) in 2018 with the vision that there should be a centralized IT centre, which will provide best IT facilities to all the stakeholders of the University of Sindh in an efficient and centralized manner.

The IT Services Centre is responsible to execute the following tasks:

Maintaining campus-wide network of the University.

Develop, upgrade, maintain and integrate campus management system and Student Teacher Portal.

Maintain and update university website services.

Develop and maintain the University surveillance system.

Maintain the library of software applications/tools.

Provide IT related trainings and technical support to all the stakeholders of the University.

The Information Technology Services Centre (ITSC) was established in 2018 with the vision that there should be a centralized IT centre and automation of all University services and academic process, which will provide best IT facilities to all the stakeholders of the University of Sindh in an efficient and centralized manner. Since its inception, ITSC has achieved remarkable milestones providing numerous online services to the faculty and students of the University of Sindh, striving to provide best possible online solution to facilitate the academic and administrative process, involving

1. Learning Management System,
2. Online Attendance System,
3. Online Exam & Result System,
4. Online Fees Management System
5. Online Postgraduate DRGS System,
6. Teachers e-Portal system,
7. Online Student Financial Aid Management System,
8. Online Inward-Outward System,
9. Fees Challan System for Boys and Girls Hostel,
10. Semester and Annual Online Invigilator Registration System,
11. USindh Main Website and Campus Websites,
12. OJS journal management system, and
13. Online Admission 2021 System.
14. News and Notification Portal and Mobile App
15. E-portal of Affiliated Degree Colleges

The future direction of ITSC is envisioned around fully equipped independent building and infrastructure. This will provide ground for establishing an Industrial liaison and Incubation Centres, with training facilities for faculty and students on various latest cutting edge technology related and market oriented courses. With strong and dedicated team of ITSC, the next step is to develop independent online applications for commercial aspects and Sell these online Systems to other universities and colleges. This will be a great potential for university in earning / generating funds and income from its own resources. ITSC is planning to establish a linkage with Sindh Software board and Pakistan Software Export Beurre (PSEB) to be able to develop professional software's in collaboration with PSEB and Sindh Software Board for national and international market.

### **Kamran Dahri**

Additional Director  
Information Technology Services Centre (ITSC)  
itsc@usindh.edu.pk

## OFFICE OF RESEARCH, INNOVATION AND COMMERCIALIZATION (ORIC)

The objective of the Office of Research, Innovation & Commercialization (ORIC) is to develop, expand, enhance and manage the university's research programmes and to link research activities directly to the educational, social and economic priorities of the university and its broader community. The ORIC is also responsible for assuring that the quality of research reflects the highest international standards and advances the stature of the university internationally.

ORIC shall guarantee that all research programmes and policies reflect the core values of academic freedom, professional integrity and ethical conduct and full compliance with all policies, legal requirements and operational standards of the university.

For this, ORIC wants to improve the environment for all research and scholarship by:

- ✓ Supporting the strategic research directions and policies of universities
- ✓ Improving integration of research and education at all levels of the institution
- ✓ Increasing and diversifying external research funding
- ✓ Improve recruitment and retention of the top faculty
- ✓ Translating research for the public's benefit
- ✓ Improving and strengthening university-industry relationships
- ✓ Promoting entrepreneurship, technology-transfer and commercialization activities which improve and support the economy
- ✓ Promoting and improve multi-disciplinary research initiatives.

**Dr. Muhammad Aqeel Bhutto**  
Director (ORIC)  
Phone No. +92 -22- 9213210

## DIRECTORATE OF QUALITY ENHANCEMENT CELL (QEC)

The QEC of the University has been established on 21<sup>st</sup> November 2006. It is working under the esteemed guidance of the Vice Chancellor and the parameter laid down by the QAA, HEC, Islamabad.

The University of Sindh is committed to discovery, dissemination and preservation of knowledge based on creativity, innovation, and excellence in teaching and research. The role of QEC is to enhance position of the University of Sindh as a premier seat of higher learning in the country and to achieve international distinction for creativity, innovation and excellence. It also supports to develop and sustain an academic environment, which values integrity, quality and teamwork, and serves as an engine for socio-economic development of the country.

QEC is fulfilling this commitment by implementation of self-Assessment processes of academic programmes, annually external and internal reviews of MPhil/MS & PhD Programmes, Institutional Performance Evaluation (IPE), to conduct workshops on quality assurance awareness, establishment and assistance of QECs in additional campuses and affiliated colleges, participate in national and international events on higher education quality assurance. Furthermore, the QEC organized various HEC indigenous on campus trainings, skill development workshops and hands on trainings for all the stakeholders (students, faculty members and the supporting staff) to actively engaged them in establishment of quality culture in the University.

QEC is the member of international quality assurance agencies including Asia Pacific Quality Network (APQN), The International Network for Quality Assurance Agencies in Higher Education (INQAAHE) and The Talloires Network.

**Dr. Altaf Hussain Nizamani**  
Director, Quality Enhancement Cell  
University of Sindh, Jamshoro

## THE BUREAU OF STAGS

The Bureau of Students' Tutorial, Guidance/Counseling Services and Co-Curricular Activities (STAGS) was established on 16<sup>th</sup> August, 1993, with the idea that there should be an Institution in the University of Sindh for guidance and counseling to the students coming from different areas of Pakistan and other countries with different social and academic backgrounds and to provide them with a sound platform through which they may get a chance to exhibit their talent and explore their hidden abilities.

The Bureau of STAGS holds the responsibility to chalk out and arrange/organize programmes for the betterment, welfare and enhancement of knowledge of the students, such as Inter-Departmental, Debates/Declamations, Qirat, Hamd, Naat, Essay Writing, Music, Fun Fair, Cultural Shows, Entertainment Activities, Picnic-cum-Cultural Tours, Inter-Provincial, National Events, Global Exchange Delegations. The Bureau of STAGS also organizes Extension Lecture, Workshops, Seminars, on career counseling, Psychological, awareness and conferences on the theme of various special and educational issues.

Orientation Programmes are organized after admissions, in the first instance at the faculty level, to guide and counsel students and parents regarding choice of disciplines & career opportunities. The Post-Admission orientation is conducted to introduce the fresher with various aspects of the working of the University/Departments, Library of the University, Sports Activities and other facilities available.

The Bureau of STAGS has been contributing to wards welfare of the students; it infuses confidence in them through their participation in various competitive events, organized by the Bureau of STAGS at Sindh University Campuses, Colleges and Universities of the country.

### PARTICIPATION OF STUDENTS IN NATIONAL LEVEL EVENTS

1. All Pakistan Bilingual Declamation Contest
2. All Pakistan Bilingual Declamation Contest
3. Youth Carnival Trivial Pursuit Competition
4. All Pakistan Qirat Competition
5. Lyallpur Art & Literature Festival
6. All Sindh Parliamentary Debate
7. All Sindh Qirat Competition
8. All Pakistan Bilingual Declamation Contest
9. All Pakistan Tri-lingual Declamation Contest
10. All Pakistan Bilingual Declamation Contest
11. All Pakistan Bilingual Declamation Contest
12. Intervarsity Competitions
13. Inter University Declamation Contest-2022

### SPECIAL DAYS CELEBRATIONS

- International Mother Language Day
- Kashmir Day
- Plantation Day
- International Women's Day
- Celebrated 23 March (Pakistan Day)
- Baloch Culture Day
- Allama Iqbal Founder's Week
- Pakistan Independence Day (14<sup>th</sup> August)
- Celebration Youm-e-Difa (6<sup>th</sup> September)
- International Anti-Corruption Day
- Sindhi Culture Day
- Army Public School (APS) Peshawar
- Quid-e-Azam Muhammad Ali Jinnah Birth Anniversary

### ACADEMIC, PERSONAL AND PSYCHOLOGICAL GUIDE

The Bureau of STAGS also provides academic, personal and psychological guidance to students. It is committed to continue its efforts to facilitate all students and to promote the academics standard and image of the University of Sindh.

### SOCIETIES & CLUBS

The Bureau of STAGS has introduced eight extra-curricular societies and clubs covering 44 different areas of learning and skills developing where each club will be having a complete team working for their related activities and such groups play an essential role in tutoring, personality development to make them self-groomed individuals when they enter the professional world. Membership can be obtained through formal registration procedure.

The Societies include Debating Society, Media Club, Art & Music Club, Iqra Society (for Qirat, Hamd & Naat) educational Society, Business Society and Software Developers Clubs.

### SINDH UNIVERSITY VOLUNTEERS

Serving as a volunteer is one of the best and most impactful ways to contribute to our combined success. From the platform of Bureau of STAGS, University of Sindh, Jamshoro for the first time introduced the Volunteer programmes to create positive change in the development.

The students undertake volunteering by organizing and managing various official events i.e. (Pre-Entry Test/Convocation/Conference and Orientation).

#### Dr. Ghazala Panhwar

Director, Bureau of STAGS

#### Dr. Mubarak Ali Lashari

Deputy Director, Bureau of STAGS



## PROSPECTUS COMMITTEE

### Convener

**Prof. Dr. Lachhman Das Dhomeja**  
Director  
Dr. AHS Bhukhari, IICT, University of Sindh

### Members

**Prof. Dr. Muhammad Khan Sangi**  
Focal Person, Faculty of Arts, University of Sindh

**Prof. Dr. Rabia Asma Memon**  
Director, Institute of Plant Science, University of Sindh

**Dr. Altaf Hussain Nizamani**  
Director, QEC, University of Sindh

**Dr. Abdul Hameed Panhwar**  
Professor, IELL, University of Sindh

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