

UNIVERSITY OF SINDH, JAMSHORO, PAKISTAN

# PROSPECTUS

BACHELOR & MASTER  
DEGREE PROGRAMMES

2021





**PROSPECTUS 2021**  
**UNIVERSITY OF SINDH**



**PROSPECTUS 2021**  
**UNIVERSITY OF SINDH**



*Serving the nation since 1947*

# **UNIVERSITY OF SINDH**

## **PROSPECTUS-2021**

### **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 without any notice**



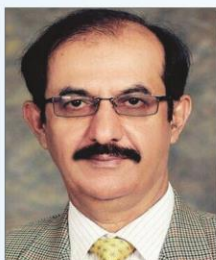
# Mission

*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 posses 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*



My dear University of Sindh Admission Aspirants,

First and foremost, as Vice-Chancellor, University of Sindh I thank you for your interest to seek admission to our institution, which happens to be one of the most reputable public sector universities of the country.

Thereafter, I feel proud to inform that the University of Sindh has completed 72 years of successful service to the masses of Sindh, Pakistan, the Middle East, a number of

brotherly Islamic countries from across the globe and the world.

I take pride in the fact that University of Sindh enjoys the status of Mother higher education institution in the province, as almost all other general and professional Universities are its offshoots.

Universities, I believe, serve as the centres of national development with the mission to produce open-minded, inclusive, secular and liberal service-providers to the given societies.

I must also assure you that once you are selected and join University of Sindh, we will make sure that we transform you into individuals capable in all forms to transform society through your contributions.

Moreover, I intend to see University of Sindh as an institution for objective criticism and the search for new channels for a more enlightened future; an institution offering new contents for genuine, participative citizenship and for the practice of peace, tolerance and ethics; an institution which will help reduce unacceptable economic and social imbalances and asymmetries; in short, a University to strengthen social, scientific and economic development, freedom, dignity and

authentic democracy. I deem it appropriate to share that we are overhauling most of the system so that we depart from the traditional model of awarding merely paper degrees; and are well on our way to adopt a far-more improvised model of higher education which ensures knowledge exchange leading to cultivation of critical thinking, wisdom, global responsibilities and care for communities.

I believe knowledge means three-dimensional development of an individual i.e. it should promote learners' knowledge, skills and attitudes. In addition, it is also the mandate of a University to prepare youth for the available job market, yet its greater obligation is to produce leaders who care for the world they inhabit, understand its various problems, strive honestly and devotedly to resolve them; and by doing so make this planet a better and happier place to live in.

I understand, University of Sindh remains the first higher education priority of thousands of lower, lower-middle and middle class people of Sindh, as they cannot bear the exorbitant cost of private universities. Hence, University of Sindh houses humbler segment of society that deserves our greatest attention and efforts.

I have joined the University of Sindh as Vice-Chancellor with the above mission in mind, and I am pretty sure that by the help of University faculty, students, parents of the students, Federal and Provincial governments, civil society, community leadership and positive youth leadership; I will be able to bring about a positive change, elevate the standard of education and research at University of Sindh and getting it the place it deserves i.e. making it a world class institution of higher education.

**Prof. Dr. Fateh Muhammad Burfat**  
Vice-Chancellor  
University of Sindh, Jamshoro  
vc@usindh.edu.pk





## UNIVERSITY CALENDAR 2021

### ACADEMIC SCHEDULE

#### FIRST SEMESTER-2021

Orientation Day/ Date of start of classes	Monday 4 <sup>th</sup> January 2021
Mid Term Test	Monday 8 <sup>th</sup> March 2021
Semester Classes End	Friday 30 <sup>th</sup> April 2021
Semester Examinations Starts	Monday 10 <sup>th</sup> May 2021 OR Monday 17 <sup>th</sup> May 2021
Summer Break	Tuesday 1 <sup>st</sup> June 2021 To Sunday 18 <sup>th</sup> July 2021

#### SECOND SEMESTER-2021

Date of start of classes	After Eid-ul-Azha Monday 26 <sup>th</sup> July 2021
Mid Term Test	Monday 13 <sup>th</sup> September 2021
Semester Classes End	Friday 19 <sup>th</sup> November 2021
Semester Examinations Starts	Monday 6 <sup>th</sup> December 2021
Winter Break	Monday 20 <sup>th</sup> December 2021 To Friday 31 <sup>st</sup> December 2021

## HOLIDAYS FOR THE ACADEMIC YEAR 2021

### NATIONAL HOLIDAYS-2021

Kashmir Day	05-02-2021
Pakistan Day	23-03-2021
Labor Day	01-05-2021
*Eid-ul-Fitar	12-05-2021 to 14-05-2021
*Eid-ul-Azha	20-07-2021 to 22-07-2021
Independence Day	14-08-2021
*Youm-e-Ashur	10-09-2019 to 11-09-2019
Allama Iqbal Day	19-11-2021
Quaid-e-Azam's Birthday	25-12-2021

\* (Subject to appearance of the Moon)

### OPTIONAL HOLIDAYS

Non-Muslims 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 Nanik Birthday



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## ABOUT THE UNIVERSITY

**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, 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 on humanities side were gradually adopted by mid fifties. The Mehran University of Engineering and Technology Jamshoro, Sindh Agriculture University Tando Jam and Shah Abdul Latif University Khairpur have remained the subcampuses of University of Sindh. The Liaquat Medical College Jamshoro, Chandka Medical College Larkana and Peoples Medical College Nawabshah now all are independent universities had been affiliated with University of Sindh and 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 116 disciplines functioning under various academic Faculties. Degree Programmes in some of the disciplines, e.g., Biotechnology and Genetic Engineering, Environmental Science, Law (5-year. Degree LL. B and 2-Year LLM), Anthropology and Archaeology and Forestry have been added since 2001. University of Sindh, Laar Campus at Badin started functioning in 2007, Mirpurkhas campus of the University has been launched from January 2010. Dadu Campus of the University is functioning from 2012 Thatta and Larkana Campuses are functioning since 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 the Faculties 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. The 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 LL.M. and the 5-year 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, 4-year 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.



## **FACULTIES/CENTRES/INSTITUTES AND DEPARTMENTS**

### **FACULTY OF ARTS**

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

### **FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION**

1. Institute of Commerce
2. Institute of Business Administration

### **FACULTY OF EDUCATION**

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

### **FACULTY OF ENGINEERING AND TECHNOLOGY**

1. Department of Electronic Engineering
2. Department of Telecommunication Engineering
3. Department of Information Technology
4. Department of Software Engineering

### **FACULTY OF ISLAMIC STUDIES**

1. Department of Comparative Religion and Islamic Culture
2. Department of Muslim History

### **FACULTY OF LAW**

1. Institute of Law

### **FACULTY OF NATURAL SCIENCES**

01. National Centre of Excellence in Analytical Chemistry
02. Centre for Physical Education, Health & Sports Science
03. Centre for Environmental Science
04. Centre for Pure and Applied Geology
05. Institute of Biochemistry
06. Institute of Biotechnology and Genetic Engineering

07. Dr. M.A. Kazi Institute of Chemistry
08. Institute for Advanced Research Studies in Chemical Sciences
09. Institute of Mathematics and Computer Science
10. Institute of Microbiology
11. Institute of Physics
12. Institute of Plant Sciences
13. Department of Anthropology and Archaeology
14. Department of Freshwater Biology and Fisheries
15. Department of Geography
16. Department of Physiology
17. Department of Statistics
18. Department of Zoology

### **FACULTY OF PHARMACY**

01. Department of Pharmaceutics
02. Department of Pharmaceutical Chemistry
03. Department of Pharmacology
04. Department of Pharmacognosy
05. Department of Pharmacy Practice

### **FACULTY OF SOCIAL SCIENCES**

01. Centre for Rural Development Communication
02. Pakistan Study Centre
03. Abida Taherani Sindh Development Studies Centre
04. Institute of Gender Studies
05. Department of Economics
06. Department of History
07. Department of International Relations
08. Department of Media and Communication Studies
09. Department of Political Science
10. Department of Psychology
11. Department of Public Administration
12. Department of Sociology
13. Department of Social Work
14. Department of Library Information Science and Archive Studies
15. Department of Criminology
16. Area Study Centre Far East and South East Asia



## DEGREE PROGRAMMES

### FACULTY OF ARTS

#### Bachelor Degree Programme 4-Year (8-Semester)

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

#### Master Degree Programme 2- Year (4-Semester)

M.A. (Pass)	Arabic
M.A. (Pass)	Art Education (Evening)
M.A. (Pass)	English (Morning & Evening)
M.A. (Pass)	Fine Art
M.A. (Pass)	Philosophy
M.A. (Pass)	Persian
M.A. (Pass)	Sindhi
M.A. (Pass)	Urdu

### FACULTY OF COMMERCE & BUSINESS ADMINISTRATION

#### Bachelor Degree Programme 4-Year (8-Semester)

BS	Commerce (Morning & Evening)
BS	Banking and Finance
B.B.A (Honours)	Business Administration (Morning & Evening)

#### Master Degree Programme

M.Com (Pass)	Commerce 2- Year (4-Semester)
M.B.A.	Business Administration 4-Year (8-Semester)
M.B.A. (Honours)	Business Administration 2-Year (4-Semester)
M.B.A.	Business Administration 2-Year (6-Semester) (Evening)

### FACULTY OF EDUCATION

#### Bachelor Degree Programme

B.Ed. (Elementary)	Education 4-Year (8-Semester)
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#### Master Degree Programme

B.Ed. Secondary	Education 2.5-Year (4-Semester) (Morning & Evening)
B.Ed. Secondary	Education 1.5-Year (3-Semester) (Morning & Evening)
M.Ed.	Education 1- Year (2-Semester) (Morning & Evening)

### FACULTY OF ENGINEERING AND TECHNOLOGY

#### Bachelor Degree Programme 4- Year (8-Semester)

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

#### Master Degree Programme 2- Year (4-Semester)

M.I. T	Information Technology (Evening)
M.Sc	Telemedicine & E-Health (Evening)

### FACULTY OF ISLAMIC STUDIES

#### Bachelor Degree Programme 4- Year (8-Semester)

BS	Comparative Religion
BS	Islamic Studies
BS	Muslim History

#### Master Degree Programme 2- Year (4-Semester)

M.A. (Pass)	Comparative Religion
M.A. (Pass)	Islamic Studies
M.A. (Pass)	Muslim History

### FACULTY OF LAW

#### Bachelor Degree Programme 5- Year (10-Semester)

LL. B	Law
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#### Master Degree Programme 2- Year (4-Semester)

LL.M	Law (Evening)
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### FACULTY OF NATURAL SCIENCES

#### Bachelor Degree Programme 4-Year (8-Semester)

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





**Master Degree Programme 1- Year (2-Semester)**

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

**Master Degree Programme 2- Year (4-Semester)**

M.Sc.	Actuarial Sciences
M.Sc.	Biochemistry
M.Sc.	Biotechnology
M.Sc.	Botany
M.Sc.	Chemistry (Morning & Evening)
M.Sc.	Computer Science (Morning & Evening)
M.C.S	Computer Science
M.Sc.	Environmental Science
M.Sc.	Fresh Water Biology & Fisheries
M.Sc.	Geography
M.A. & 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-Semester, Morning & Evening)
Condensed Course	1-Year Condensed Deficiency Course (2-Semester)

**FACULTY OF SOCIAL SCIENCES**

**Bachelor Degree Programme 4- Year (8-Semester)**

BS	Criminology (Morning & Evening)
BS	Development Communication
BS	Economics
BS	Gender Studies
BS	General 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)
<b>Master Degree Programme 2- Year (4-Semester)</b>	
M.Sc.	Criminology (Evening)
M.Sc.	Development Studies
M.A.	Economics
M.A.	General History
M.Sc.	Home Economics
M.A.	International Relations
M.A.	Media & Communication Studies
M.A.	Pakistan Studies
M.A.	Political Science
M.A. & M.Sc.	Psychology
M.P.A.	Public Administration (Morning & Evening)
M.A.	Public Policy
M.Sc.	Rural Development (Off campus)
M.A.	Sociology (Morning & Evening)
M.A.	Social Work
M.A.	Women Development Studies

**Postgraduate/Diploma Programmes and Short Certificate Courses**

**a) Postgraduate Diploma Courses in: -**

Archive Studies	Community Work
Information Technology	Computer Science
Public Administration	Special Education Medicinal Plants
Community Development	Pharmaceutical Management
Pharmacy Management (Industrial, Marketing and Hospital Management)	
Business Administration	Food Analysis and Food Security
Music & Performing Arts	Health Communication
Rural Development Communication	Sports Therapy
Early Childhood Education	

**b) Certificate Courses in Languages**

Arabic	Chinese	German	Persian
Russian	Sindhi	Turkish	Urdu

**NOTE:** If number of students enrolled in any Evening Degree PROGRAMME/Post Graduate diploma/certificate course is less than 25, then the course shall not be conducted / started and fees will be re-imbursed to the candidate.



## MS / M.PHIL and Ph.D Programmes

### FACULTY OF ARTS

M.Phil	Arabic
M.Phil / Ph.D	English Literature
M.Phil	English Linguistics
M.Phil / Ph.D	Sindhi
M.Phil / Ph.D	Urdu

### FACULTY OF COMMERCE AND BUSINESS ADMINISTRATION

M.S. / M.Phil / Ph.D	Commerce
M.Phil / Ph.D	Business Administration

### FACULTY OF EDUCATION

M.Phil / Ph.D	Education
---------------	-----------

### FACULTY OF ENGINEERING AND TECHNOLOGY

M.Phil	Electronics
M.Phil / Ph.D	Information Technology
M.Phil	Software Engineering
M.Phil	Telecommunication

### FACULTY OF ISLAMIC CULTURE

M.Phil	Muslim History
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### FACULTY OF NATURAL SCIENCES

M.Phil / Ph.D	Analytical Chemistry
M.Phil	Biochemistry
M.Phil / Ph.D	Biotechnology
M.Phil / Ph.D	Botany
M.Phil / Ph.D	Chemical Science
M.Phil / Ph.D	Computer Science
M.Phil / Ph.D	Environmental Sciences
M.Phil / Ph.D	Freshwater Biology & Fisheries
M.Phil / Ph.D	Genetics
M.Phil / Ph.D	Geology
M.Phil / Ph.D	Inorganic Chemistry
M.Phil / Ph.D	Mathematics
M.Phil / Ph.D	Microbiology

M.Phil / Ph.D	Organic Chemistry
M.S	Petroleum Geosciences
M.Phil / Ph.D	Physical Chemistry
M.Phil / Ph.D	Physical Education, Health & Sports Sc.
M.Phil / Ph.D	Physics
M.Phil / Ph.D	Physiology
M.Phil	Statistics
M.Phil / Ph.D	Zoology

### FACULTY OF PHARMACY

M.Phil / Ph.D	Pharmaceutics
M.Phil	Pharmacognosy
M.Phil	Pharmacology

### FACULTY OF SOCIAL SCIENCES

M.Phil	Criminology
M.Phil / Ph.D	Development Studies
M.Phil / Ph.D	Economics
M.Phil	International Relations
M.Phil / Ph.D	Media & Communication Studies
M.Phil	Pakistan Studies
M.Phil / Ph.D	Political Science
M.Phil	Psychology
M.S. / M.Phil / Ph.D	Public Administration
M.Phil / Ph.D	Sociology

### NOTE

- Ph.D Programme is restricted to disciplines where at least three regular faculties have Ph.D degrees.
- If number of students enrolled in Ph.D Programme in any discipline is less than 03, the Programme shall not be started
- If number of students enrolled in MS / M.Phil Programme in any discipline is less than 10; the Programme shall not be started.



## AUTHORITIES OF THE UNIVERSITY

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

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

### SYNDICATE

The **Syndicate** vested with executive authority, presently comprises the following members. The tenure of office of members other than Ex-officio members is three years.

#### CHAIRMAN

01. **Prof. Dr. Fateh Muhammad Burfat**  
Vice Chancellor, University of Sindh, Jamshoro

#### MEMBERS

02. **Mrs. Kulsoom Akhtar Chandio**  
Member of Provincial Assembly of Sindh  
(Nominee of Speaker of the Provincial Assembly of Sindh)
03. **Registrar**  
High Court of Sindh, Karachi
04. **The Secretary**  
Education and Literacy Department, Government of Sindh, Karachi  
Or his nominee not below the rank of an Additional Secretary
05. **The Representative of Chairman**  
Higher Education Commission (HEC), Islamabad
06. **Mr. Muhammad Riazuddin**  
Secretary to Chief Minister Sindh for Universities and Boards,  
Chief Minister's Secretariat, Government of Sindh, Karachi
07. **Mr. Imtiaz Kazi**  
Ex-Federal Secretary, Member HEC
08. **Mr. Jhamat Jethanand**  
Dean, Faculty of Law, University of Sindh
09. **Prof. Dr. Arfana Begum Mallah**  
Professor, Dr. M. A. Kazi Institute of Chemistry, University of Sindh, Jamshoro  
(Member as Professor)

10. **Dr. Rafique Ahmed Lashari**  
Associate Professor, Centre for Pure and Applied Geology, University of Sindh, Jamshoro  
(Member as Associate Professor)
11. **Mr. Jamshed Baloch**  
Assistant Professor, Department of Social Work, University of Sindh, Jamshoro  
(Member as Assistant Professor)
12. **Mr. Asadullah Buledi**  
Lecturer, Institute of Mathematics & Computer Science, University of Sindh, Jamshoro  
(Member as Lecturer)
13. **Dr. Abdul Ahad Abro**  
Former Vice Chancellor, Mehran University of Engineering & Technology, Jamshoro  
(Person of Eminence)
14. **Justice Ali Sain Dino Maitlo**  
Retired Judge, High Court of Sindh  
(Person of Eminence)
15. **Prof. Dr. Nasiruddin Shaikh**  
Acting Vice Chancellor, Government College University, Hyderabad  
(Person of Eminence)
16. **Dr. Fahmida Hussain**  
(Member as Women)
17. **Advocate Nisar Ahmed Durrani**  
Principal, Government Sindh Law College, Hyderabad
18. **The Registrar**  
University of Sindh & Secretary of the Syndicate





## UNIVERSITY TOWN JAMSHORO AT A GLANCE

Jamshoro, the largest residential campus in the country, 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 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 township lies 25 km to the north of Amri. Manchar Lake the largest fresh water lake in the region, is situated to the west north west of Sehwan. Travelling about 150 km north through the Indus plains brings one to the site of Moen-jo-Daro, the most important archeological discovery of the Valley.

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 Jinah Gymnasium provides Games and Sports facility exclusively for girls. The Institute of Sindhology building, depicting the cultural heritage of Sindh, adorns the entrance to the campus from the Indus Highway. The imposing central library building, named after Late Allama I. I. Kazi, the first Vice Chancellor of the University at Hyderabad, who conceptualized this campus, serves as a landmark even from a distance. The campus itself has been named after Allama I.I. Kazi as a tribute to the great scholar and visionary.

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. The location of Sindh 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. Intervarsity 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 Muhtarama 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, offers technical assistance to community-based organizations and projects. It is also carries out research that provides guidance on solving Problems and creates opportunities for stake-holders to learn from one another and from community.

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

- ◆ Bursaries, freeship 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.
- ◆ Employment support, including job services as teaching assistants and faculty to earn and gain employability skills.

**In addition to above mentioned steps University of Sindh manages/arranges 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.
- ◆ Organise Seminars related to community issues
- ◆ Trains volunteers for social and community work



## 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 are consist of 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.



**Dr. Riaz Hussain Mari**  
Provost Boys Hostels



**Note:- Accommodation in hostels will be subject to availability**



**Ms. Waheeda Bano Baloch**  
Provost Girls Hostels



## Rules and Regulations

### 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. Non payment 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 agitational 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 departees 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 8:00p.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:

**Hostel accommodation forms are available with the designated branches of HBL on payment of Rs. 50/-.** 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.





# **GENERAL ACADEMIC AFFAIRS**

## **ADMISSION PROCEDURE**

### **&**

## **REGULATIONS**



## ADMISSION SCHEDULE

Admission of students to programmes offered under various Faculties of the University is governed under 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 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 enumerated faculty-wise.

### ADMISSION SCHEDULE OF BACHELOR AND MASTER DEGREE PROGRAMMES – 2021

PROGRAMME	Master Degree Programmes	Bachelor Degree Programmes
Registration for Admissions through Online web portal	Tuesday 15th September 2020	
Last date for filling/registration of online admission form	Friday 16th October 2020	
Pre-Entry Test (If plan “A” applies)	Saturday 24th October 2020	
Announcement of First Merit List and payment of admission fees challan	Saturday 7th November 2020	
Announcement of Second Merit List and payment of admission fees challan	Wednesday 18th November 2020	
Announcement of Third Merit List and payment of admission fees challan	Wednesday 2nd December 2020	
Admissions Closed (Morning Session)	Friday 11th December 2020	

### **ADMISSIONS 2021 CLOSE**

**NOTE:** i. Applicants applying for admission to BS Electronic Engineering and BS 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 should contact the Directors concerned.



## INSTRUCTIONS

Please note that no any written communication will be made regarding selection. Only the list will be displayed on notice board as per schedule. Announcement will also be made on Radio, TV and 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 prescribed, then the seat shall be allotted to the candidate next on merit list.**

Candidates registered them online by filling Registration Admission form and get challan online, on payment of cost of admission application processing fee, @ **Rs. 2500/- Per set (non refundable) through bank challan** in any HBL bank branch (es).

On Page 08 to 09 there is a list of options of disciplines in which admission is offered under various Faculties **on merit/ self finance (morning/evening basis)**; please select **Thirty** or less choices of disciplines you wish to study as mentioned on page 08 to 09 **in order of preference.**

### EXAMPLE: - for Bachelor Degree Programmes

- |                             |                            |
|-----------------------------|----------------------------|
| 01. BS (Electronics)        | 02. B.B.A. (Hons.)         |
| 03. BS (Computer Science)   | 04. BS (English)           |
| 05. BS (Chemistry)          | 06. BS (Economics)         |
| 07. BS (Microbiology)       | 08. BS (Political Science) |
| 09. BS (General History)    | 10. BS (Geology)           |
| 11. BS (Botany)             | 12. BS (Pakistan Studies)  |
| 13. BS (Islamic Culture)    | 14. BS (Muslim History)    |
| 15. BS (Commerce)           | 16. BS (Zoology)           |
| 17. BS (Mass Communication) | 18. BS (Genetics)          |
| 19.20.21.....               | 30.                        |

### EXAMPLE: - For Master Degree Programmes

- |  |                                  |
|--|----------------------------------|
| 01. M.Sc. (Prev.) Computer Science       | 02. M.B.A. (First Year)          |
| 03. M.P.A. (Previous)                    | 04. M.A. (Prev.) English         |
| 05. M.A. (Prev.) International Relations | 06. M.A. (Prev.) Arabic          |
| 07. M.A. (Prev.) Political Science       | 08. M.A. (Prev.) Sindhi          |
| 09. M.Sc (Prev.) Botany                  | 10. M.A. (Prev.) General History |
| 11. M.Sc (Prev.) Zoology                 | 12. M.Sc (Prev.) Biochemistry    |
| 13. M.Sc (Prev.) Environmental Science   | 14. M.Sc (Prev.) Geography       |
| 15. M.Sc (Prev.) Mathematics             | 16. M.A. (Prev.) Economics       |
| 17. M.A. (Prev.) Urdu                    | 18. M.A. (Prev.) Islamic Studies |
| 19.20.21.....                            | 30.                              |

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 preference order. Non- deposition of fees will deprive you of your candidature for it.**

**Candidates desire to retain the discipline/subject where they have been selected, they may do so by submitting acceptance in OWN handwritten application alongwith paid challan Rs.200/- (two hundred) within 05 (five) days from the date of announcement of list positively. The same will apply to retaining the subject of all other updated lists.**

Applicants for Admission at Badin, Mirpurkhas, Dadu, Thatta, Larkana and Naushahroferoze campuses should check the disciplines offered at these campuses before filling the Online Form.

Completed web based printed admission form with necessary documents and receipt of Rs. 2500/- Towards cost of Admission Form Folder and Pre entry test must be submitted.

Candidates seeking admission @ Sindh University Campuses, Badin, Mirpurkhas, Dadu, Thatta, Larkana and Naushahroferoze will also have to submit the online 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 on Self Finance basis. They simply need to tick (✓) the self finance option (□) given in online admission form.*

**Please make sure that you select the appropriate boxes at 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).
- Computrize National Identity Card (CNIC) or copy of "B" form of Registration, if under 18 years of age (attested photocopies).
- Four passport size recent photographs duly attested with name written on back side.
- Domicile Certificate of candidate (or of father/ mother if the applicant is under 18 years of age and his/ her name is included in it)
- 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)
- Original Receipt of Rs.2500/- (Admission Prospectus + Form).



- 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

- All admissions shall be provisional until approved by the Vice Chancellor.
- The Vice Chancellor may refuse admission to the University classes to any candidate without assigning any reason.
- Any candidate who desires to seek admission in 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.
- The marks certificates of pre-requisite 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.
- Candidate who has passed an examination from a University or a Board other than the University of Sindh or Board of Intermediate and Secondary Education, Hyderabad and Mirpurkhas shall have to obtain Certificate of Eligibility from the University of Sindh prior to his/ her admission to any class. 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.
- No student shall at one time join or continue on roll of 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 on roll of the University Teaching Institute/ Department/ Centre may join or continue a Post-Graduate Diploma course of the University and/ or the LL.B. 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.
- Candidates admitted to any University class as a regular student shall **NOT** be eligible to appear at any University Examination as an **EXTERNAL CANDIDATE** simultaneously during his/her University studentship.
- 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 his/her admission is cancelled due to any reason.

## PLAN A

### PRE-ENTRY TEST

Pre-Entry Test is mandatory for admissions to all Bachelor Degree Programmes under all categories and LLMMaster Degree PROGRAMME of the University. All candidates seeking admission to any 4- Year/ 3-Year/ 2-Year Bachelor/ Hons/ LLMPROGRAMME **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.

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 enclosed).**

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.

- 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 40 points out of 100 points (40%) for qualifying Pre-entry test for admission in any discipline.

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%

- 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 division/ grade of the candidates.



- (i) 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.
- (ii) 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.
- (iii) 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.
- (iv) 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.
- (v) 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.

## PLAN B

### IN THE COVID-19 SITUATION

**Pre-Entry-Test** will not be conducted for admission in any discipline except LLM.

Weightage for Admissions to Bachelor and Master Degree Programme 2021 as under:

	For Admission to	Bachelor	Master	LLM Degree PROGRAMM
i.	S.S.C.	40%	20%	05%
ii.	H.S.C. (adjusted marks)	60%	30%	05%
iii.	Bachelor Degree (adjusted marks)	---	50%	30%
iv.	Pre-Entry Test/Aptitude test	---	---	60%

## ELIGIBILITY and OTHER RULES

- a) No admission shall be allowed to a candidate who has passed the pre-requisite examination in **Third Division** from any Board or University.
- b) A student of B.A. / BS Part-I 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 University is allowed.
- c) The applicant would be considered for add/drop within one-week period after announcement of classes. No change of discipline shall be allowed afterwards.
- d) The admissions to various Bachelor and Master (Prev.) professional/ quota-oriented courses of study shall be made in accordance with the Regulations prescribed for the purpose.

- e) 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 Director Admissions as its Secretary.**
- f) A candidate who has passed H.S.C. Examination is also eligible for admission to 4-year Bachelor/ B.A. (Hons) Programme.
- g) Candidates who are interested in seeking admission in the **Institute of Arts 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. Aptitude Test is also mandatory for admission to the **BS (H.P.E.S. S) First Year, B.P.E.H.S.S. and M.P.E.H.S.S.** course of study. Candidates who are interested in seeking admission in the **BS Electronic Engineering and BS Telecommunication Engineering** shall also have to take up **Aptitude Test** to be conducted by the Institute, as per schedule to be announced by the Director IICT.
- h) A candidate who has already completed his/her course of study in a University Teaching Institute/ Department/ Centre leading to Bachelor's (Pass/ Honours) degree shall NOT be eligible for admission to another or second Bachelor's (Pass/ Honours) course (except B.Ed./ B.H.P.E., and Post Graduate Diplomas) in the University Teaching Institute/ Department/ Centre.
- i) A candidate who has already passed Bachelor's Pass degree course examination from the University of Sindh or any other University shall NOT be eligible for admission to another Bachelor's (Pass/ Honours) course excepting B.Ed. or B.H.P.E., and Post Graduate Diploma courses programmes.
- j) **Admission on migration basis** from other Universities to this University shall be considered on the following grounds:
  - i) The student has cleared all the subjects/papers of the last examination from the parent University.
  - ii) Parents of the student who are Government Officials are posted within the territorial jurisdiction of the University of Sindh.
  - iii) Admission on migration basis in the following Quota-Oriented disciplines will only be permissible under **Self Finance Scheme**:

*Business Administration/ Computer Science/ Information Technology / Telecommunication Engg/ Electronic Engg / Software Engg. Geology/ Pharmacy/ Public Administration / Law.*

## REGULATIONS FOR ADMISSION TO BACHELOR DEGREE PROGRAMMES

- a) 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 (BS 4-year/Honours) 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 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.





- b) Allocation of seats available for fresh admission for various Bachelor degree Programmes of general category is shown under each Faculty.
- c) 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 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 23).
- d) 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 Admission Cell and the Controller of Examinations. No change of minor subjects will be allowed thereafter. The Director/ Chairperson will also specify minor subjects in appropriate column on form sent to him/ her by the Director Admissions for countersignature.

**Bachelor of Physical Education Health and Sports Science 8-Smester Programme**  
This PROGRAMME has been introduced from the session 2005, to provide opportunity to interested candidates to seek professional training in this highly job-oriented discipline.

**Bachelor of Education, B.Ed. (Hons.) Elementary 4-Year Programme:**  
B. Ed (Hons.) Elementary degree PROGRAMME is to standardize teacher education degree throughout Pakistan by 2018. This will raise teacher qualifications to a level comparable to other countries. With improved teacher education Programmes and policies, Pakistan will be better prepared to respond to the educational need and aspiration of all children.

### ADMISSION TO MASTER (PREVIOUS) DEGREE PROGRAMMES

- a) 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 M.A. /M.Sc./ M.Com./ M.B.A./ M.P.A. (Previous) class provided that he/she fulfils 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. The admission to various graduate (Masters) quota-oriented courses of study shall be made in accordance with the Regulations prescribed for the purpose.
- b) A candidate who has passed B.Sc./ B. Com. (Pass) Examination is also eligible for admission to the M.A. (Previous) class if otherwise eligible.
- c) Admission to M.A. Fine Art and Design is open only to candidates who have passed B.A. Fine Arts (2-year degree) from this University.
- d) A candidate who has passed the B.A. (Pass) Examination in English only after having passed the Oriental Languages Examination is eligible for admission to the M.A. (Previous) class only in English or in any of the subjects which he/ she offered at the Oriental Languages Examination if otherwise eligible, but the candidates who have passed the B.A. (Pass) Examination in English and other subjects after passing the

Oriental Languages Examination will be treated at par with other B.A. (Pass) degree holders for seeking admission to various graduate (Masters) classes.

- e) For admission to M.B.A./ M.P.A. (Regular and Evening Programmes) and M.Sc. Rural Development/Development Studies, selection shall be made on merit.
- f) A candidate who has already passed M.A. / M.Sc./ M.Com./ M.B.A./ M.P.A./ M.L.I.S./ M.Ed./ M.A. Education/ M. Pharmacy/ L.L.M. 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 Evening Programmes in M.B. A, M. Sc (Chemistry), M. Sc (Computer Science), M.H.P. E, MIT, M.SC (Multimedia Technology), M.A. (English), M.A. (Art Education), E-Commerce, M.P.A and M. Sc (Criminology) PROGRAMME as a Second Master or subsequent degree, is permissible.

### 1. Master of Education (M.Ed.) Programme

Admission for this 01-year PROGRAMME is open to candidates having a Bachelor's Degree in Education (B.Ed./ B.T.) with at least Second Division (45% marks) from the University of Sindh or any other University recognized by it.

### 2. Master of Health and Physical Education (MPEHSS) Programme

The 01-year Master's degree PROGRAMME is open to candidates who have obtained the B.P.H.S.S. Degree/ Post graduate Diploma in Physical Education from the University of Sindh or any other University recognized for this purpose.

### 3. M.Sc. Development Studies and M.Sc. in Rural Development

M.Sc. Development studies is 2-year Programme introduced in 1996 to cater candidates having a Bachelor degree in Social Science preferably with a background of Bachelor degree in Economics with at least 'C' Grade or Second Division.

M.Sc. Rural Development, 2- year distance learning Programme, of the Abida Taherani Sindh Development Study Centre, University of Sindh, caters to students/professionals working in Rural Development- related fields, with a background of Master's degree, preferably in Social Sciences or B.E./B.Sc. (Agri.)/ M.B.B.S.

### 4. MBA (Evening) 2-year, 06-semester CH-69

16-Year of education like BS, BE, MBBS, MA, M.Sc. and other equivalent qualification with minimum 50% aggregate marks in last degree.

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

#### 1. Admission to the following courses of study shall be made on the basis of District-wise Urban-Rural quota.

- (i) B.B.A. (Hons.) First year
- (ii) BS Computer Science First year
- (iii) BS Information Technology First Year
- (iv) BS Geology First Year



- (v) BS Genetics First Year
- (vi) BS Software Engineering First Year
- (vii) BS Public Administration First Year
- (viii) BS H.P.E.S.S. First Year
- (ix) LL.B. First Year (5-Year PROGRAMME)
- (x) Pharm-D First Professional (5-Year PROGRAMME)
- (xi) M.B.A. First year 4-Year Degree PROGRAMME
- (xii) M.C.S. (Previous) Computer Science.
- (xiii) M.P.A. (Previous) Public Administration
- (xiv) B.H.P.E.S.S. (2-Semester PROGRAMME)
- (xv) M.H.P.E.S.S. (2-Semester PROGRAMME)

2. (a) The District-wise allocation of seats for the Rural and Urban areas for admission to the above courses of study at Jamshoro Campus, is shown in the Table.

#	District of Domicile	Urban	Rural	Total
01.	Hyderabad	03	01	04
02.	Tando Allahyar	01	01	02
03.	Tando Muhammad Khan	01	02	03
04.	Matari	01	02	03
05.	Badin	01	01	02
06.	Thatta	01	01	02
07.	Sujawal	00	01	01
08.	Tharparkar	00	03	03
09.	Mirpurkhas	02	03	05
10.	Umerkot	00	02	02
11.	Sanghar	01	01	02
12.	Dadu	02	03	05
13.	Jamshoro	01	03	04
14.	Shaheed Benazirabad/Nawabshah	01	02	03
15.	Sukkur	02	02	04
16.	Ghotki	01	01	02
17.	Shikarpur	01	01	02
18.	Jacobabad	01	01	02
19.	Larkana	01	01	02

20.	Kambar / Shahdadkot	01	01	02
21.	Kashmore / Kandhkot	01	01	02
22.	Khairpur	01	01	02
23.	Naushahroferoz	01	01	02
<b>TOTAL</b>		<b>25</b>	<b>36</b>	<b>61</b>

For distribution of U/R Quota seats at Badin, Mirpurkhas, Dadu, Larkana, Thatta and Naushahroferoze Campuses see Page No.221, 223, 225, 227, 230 & 235 respectively

2. (b) The District-wise allocation of seats for the Rural and Urban areas for admission to BS (Electronic Engineering) and BS (Telecommunication Engineering) at Jamshoro Campus, is shown in the Table.

#	District of Domicile	Urban	Rural	Total
01.	Hyderabad	02	01	03
02.	Tando Allahyar	01	01	02
03.	Tando Muhammad Khan	01	01	02
04.	Matari	01	01	02
05.	Badin	01	01	02
06.	Thatta	01	01	02
07.	Sujawal	00	01	01
08.	Tharparkar	00	01	01
09.	Mirpurkhas	01	01	02
10.	Umerkot	00	01	01
11.	Sanghar	01		01
12.	Dadu	01	01	02
13.	Jamshoro	01	01	02
14.	Shaheed Benazirabad/Nawabshah	01	01	02
15.	Sukkur	01		01
16.	Ghotki	01		01
17.	Shikarpur	01		01
18.	Jacobabad	01		01
19.	Larkana	01		01



20.	Kambar / Shahdadkot	01	01
21.	Kashmore / Kandhkot	01	01
22.	Khairpur	01	01
23.	Naushahroferoz	01	01
<b>TOTAL</b>		<b>34</b>	

**NOTE:**

- 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 merit basis.
- Selection for the *rural* and urban seats of the districts shall be made on merit basis amongst the eligible applicants of the same district only.
- 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.
- The allocation of *seats* has been **DOUBLED** for the purpose of admission to B.B.A. (Hons.) First Year, M.B.A. First Year, M.P.A.(Prev) and 5-year Law Degree PROGRAMME.
- Ten seats, five *for* male (**3 Rural + 2 Urban**) and five for female (**3 Rural + 2 Urban**) are reserved for admission to B.B.A. (Hons) Part-I for the candidates who have passed H.S.C. in Commerce Group.
- Ten seats, five *for* male (**3 Rural + 2 Urban**) and five for female (**3 Rural + 2 Urban**) are reserved for admission to M.B.A. (First Year) for the candidates who have passed B.Com. (Pass) examination.
- In addition to *the* district- wise reserved seats for B.H.P.E. and M.H.P.E. on quota basis, **twenty (20)** seats in all for each of the two courses of studies are also reserved for Pakistan nationals on open merit basis.
- The Urban Areas in each district of Sindh are specified as under and the areas other than those specified as under, will be treated as Rural.**

**(Areas within the jurisdiction of University of Sindh)**

S#	Name of District	Municipalities
01.	Hyderabad	(a) Hyderabad Municipality (b) Qasimabad Municipality (c) Tandojam Municipality

02.	Tando Allahyar	(a) Tando Allahyar Municipality
03.	Tando Muhammad Khan	(a) Tando Muhammad Khan Municipality
04.	Matari	(a) Hala Municipality
05.	Badin	(a) Badin Municipality Matli Municipality
06.	Thatta	(a) Thatta Municipality
07.	Mirpurkhas	(a) Mirpurkhas Municipality
08.	Sanghar	(a) Sanghar Municipality (b) Shahdadpur Municipality (c) Tando Adam Municipality (d) Sinjoro Municipality
09.	Dadu	(a) Dadu Municipality (b) Mehar Municipality (c) K.N. Shah Municipality
10.	Jamshoro	(a) Kotri Municipality
11.	Shaheed Benazirabad/ Nawabshah	(a) Nawabshah Municipality
12.	Tharparkar	(a) No Urban Areas
13.	Umerkot	(a) No Urban Areas
14.	Sujawal	(a) No Urban Areas

**(Areas out of jurisdiction of the University of Sindh)**

S#	Name of District	Municipalities
01.	Sukkur	(a) Sukkur Municipality (b) Rohri Municipality
02.	Ghotki	(a) Ghotki Municipality (b) Mirpurmathelo Municipality
03.	Khairpur	(a) Khairpur Municipality (b) Gambat Municipality (c) Pir jo Goth Municipality
04.	Naushahroferoz	(a) Moro Municipality



05.	Larkana	(a) Larkana Municipality (b) Ratodero Municipality (c) Naudero Municipality
06.	Kambar / Shahdadkot	(a) Shahdadkot Municipality (b) Kambar Municipality
07.	Jacobabad	Jacobabad Municipality
08.	Kashmore / Kandhkot	(a) Kandhkot Municipality
09.	Shikarpur	(a) Shikarpur Municipality

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

- The seat(s) left over in any category (Rural/Urban) shall be filled-in from the waiting merit list of the same category of the same district. However, in case there is no candidate on the merit list of the concerned category viz. rural or urban as the case may be, then the left-over seat(s) will be filled-in from the merit list of the urban or rural category as the case may be, of the same district. There shall be **no reallocation of the vacant seats from one district to another.**
- 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.
- As regards (i) above, 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 Admission Form.
- The candidate(s) selected against left over seat(s) as in (iii) above, **shall deposit the fees, if any within 05 (Five) days** 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.
- 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.

**Availability of general seats for fresh admissions, to various Bachelors and Masters Programmes under the university teaching Faculties, is shown under the respective Faculties.**

## ALLOCATION OF RESERVED SEATS

### 1. SPORTS SEATS

2% seats are reserved for admission on sports quota in each discipline for BS/BA (Hons.) excluding Faculty of Engineering students whereas one seat in each discipline is reserved for Master PROGRAMME.

- Candidates for admission against sports seat have to tick mark (✓) the relevant box (II) on the form. They have to qualify Pre-Entry Test + Sports Trial.
- Candidates applying against sports seats must fill **Evaluation Proforma** alongwith prescribed Admission Form.
- Candidates will have to appear in sports trial for selection.
- Candidates qualifying Pre-Entry Test and Trial will be evaluated on the basis of their merit/ participation in competitions at various levels.

### 2. SEATS ALLOCATED FOR CANDIDATES FROM OUT OF JURISDICTION FOR BACHELOR AND MASTER ON OPEN MERIT

Numbers of seats reserved for candidates from Larkana and Sukkur divisions are shown in table below. The applicant will have to appear and qualify Pre-Entry Test.

Arabic	10	English	10
Sindhi	10	Urdu	10
Art and Design	10	Philosophy	10
Comparative Religion	10	Islamic Culture	10
Muslim History	10	General History	10
Economics	10	Mass Communication	10
International Relations	05	Political Science	10
Psychology (Arts and Sc.)	10+10	Sociology	10
Social Work	10	Criminology	10
Anthropology and Arch.	10	Biochemistry	10
Nutrition and Food Tech.	05	Environmental Sciences	10
Biotechnology M.Sc.	05	Botany	05
Chemistry BS/ M.Sc.	05+05	FW Biology and Fisheries	10
Geography	10	Mathematics	05
Microbiology	05	Physics	10
Physiology	10	Statistics	05
Zoology	25	Commerce	08
B.Ed (Elementary)	10		



### 3. SEATS FOR CANDIDATES FROM KARACHI DIVISION FOR BACHELOR AND MASTER DEGREE PROGRAMMES

**One** seat in each discipline/ subject of various Bachelor's/ Master's degree Programmes is reserved for the applicants from **Karachi** Division.

### 4. FOR FEMALE CANDIDATES

**Ten** seats in each **degree** PROGRAMME are reserved for female candidates excluding Faculty of Engineering, domiciled within the jurisdiction of the University of Sindh (domicile certificate to be attached).

**Two** seats in each of the following disciplines/ subjects of various Bachelor's/ Master's degree Programmes excluding Faculty of Engineering are reserved for the female candidates domiciled in **Out of Jurisdiction** (Upper Sindh).

1. Business Administration
2. Computer Science
3. Information Technology
4. Pharmacy
5. English

**One** seat in each **degree** Programme in other General Disciplines is reserved for female candidates, domiciled in **Out of Jurisdiction**.

The applicant shall be in the first instance, considered along with other candidates on general/ district-wise merit and thereafter girls' seats shall be filled in according to merit and first preference.

### 5. SEATS FOR DISABLED PERSONS

**One** seat in each course of study (excluding Faculty of Engineering) is reserved for Disabled persons, domiciled within the jurisdiction of Sindh excluding Karachi.

The box of "**Disabled Persons' Quota**" be marked (✓) on the top of the 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.

### 6. SEATS FOR REAL SONS AND DAUGHTERS OF THE EMPLOYEES OF THE UNIVERSITY OF SINDH

Ten seats are reserved in each course of study 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 remained unutilized then Real brother/ sister can also be considered against them.

In case of BSIT, Information Technology, the seats have been allocated for each H.S.C. group as under:-

Pre-Engineering	04 Seats
Pre-Medical	04 Seats
Commerce	02 seats

**Two** seats are reserved for real sons and daughters of employees of the University Campus Badin.

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 (✓) on the top of Admission Form "**Seats for S.U employees**" box.

**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.

### 7. 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 Faculty of Engineering) are reserved on reciprocal basis for real Sons and Daughters of the regular Employees of the Government Degree Colleges and Law Colleges affiliated the University of Sindh.

The applicant under this category should write on top of the Admission Form "**Seats for employees of Colleges**"

**NOTE:** Admission to any class 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, W/O \_\_\_\_\_ presently working as \_\_\_\_\_ is a regular employee of this college. His/ Her date of entry in the College service is \_\_\_\_\_. The candidate Mr./ Miss \_\_\_\_\_ S/O, D/O \_\_\_\_\_ is his/her real son/ daughter. His/Her service in the College is more than 2 years.

\_\_\_\_\_  
Signature of the Principal      Director of College Education/ Dean, Faculty of Law  
Official Stamp      Official stamp





## 8. SEATS ON SELF FINANCE BASIS

**Twenty-five percent** 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 department (except **Faculty of Pharmacy** where only 02 seats will be allowed and Faculty of Engineering where one seat in each discipline). The fee structure for candidates from other provinces under this category will be as shown in the schedule of fees. Candidates for Admission on **Self Finance** basis will also **have to qualify the Pre-Entry Test. No advance payment of Admission fee is required.**

## 9. 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

- **Two** seats in MBA (4 Year Degree Programme), B.Ed. and M.Ed.

*(Applications must be channeled through the Department of Education, Government of the concerned Province.)*

### Nominees of A.J.K. Government

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

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

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

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

## **RESERVED SEATS FOR FATA AREA**

#	PROGRAMME	Seats
i)	B.B.A. (Hons.) First Year	2
ii)	M.A. (Previous) English	4
iii)	M.A.. (Previous) General History	2
iv)	M.A.. (Previous) Islamic Culture	2
v)	M.Sc. (previous) Chemistry	2
vi)	M.Sc. (Previous) Statistics	2
vii)	M.Sc. (Previous) Zoology	2
viii)	B.P.E.H.S.S	2
ix)	M.P.E.H.S.S	2
x)	B.Ed. and M.Ed.	2

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

## **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 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 persons candidates to be nominated by Director, Welfare and Rehabilitation Directorate, General Headquarters, Rawalpindi. The nominees will have to qualify Pre-Entry Test.



## 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 Seats are reserved in each course of study of the University, excluding Faculty of Engineering where only one seat in each discipline is reserved.

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

10 (Ten) seats in Pharm-D (Evening) Programme are reserved for foreign Nationals nominated by the HEC, Islamabad.

### d) Seats Reserved for Foreign Nationals on Self Finance Scheme,

03 (Three) seats are reserved for Thai Muslim candidates, two for students @ Master level and One for teacher at M.Phil/ Ph.D level.

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

**Two** seats are reserved only for the real sons and daughters of the employees of National Centre of Excellence in Analytical Chemistry (excluding quota-oriented courses of studies) 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 be attached with the admission form. The candidates should write “SEATS FOR CENTRE” on the top of the admission form.

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

Signature of the Director of the Centre

Official Stamp

## ATTENDANCE AND OTHER ACADEMIC REQUIREMENTS

- a) Students are required to maintain atleast **75%** attendance in each and every course of the PROGRAMME, failing which they shall not be allowed to appear at the final semester tests.

i) Attendance	10 Marks
ii) Assignment/ Presentation	10 Marks
iii) Mid Term Test (after 8 weeks of teaching)	30 Marks
iv) Final Semester Test	50 Marks

Appearance in Final Semester Test is mandatory.

- b) If a student fails to attend any lecture during the **first four weeks** of the commencement of the semester as per announced schedule, his/ her admission shall stand cancelled automatically without any notice.

- c) Students detained on account of shortage of attendance shall join **relevant semester** Programme next session to fulfil attendance requirement.

Student whose admission is cancelled on account of zero% attendance or who is not allowed to appear at the final semester test for want of shortage of attendance as per “a and b” above, will be allowed admission in next academic session, without appearing at the “Pre- Entry Test”, on payment of Admission and other fees.

**Students failing to successfully complete the coursework requirements of Bachelor/ Honours degree Programme shall not be allowed to seek provisional admission to Master’s Programmes in disciplines under Faculty of Arts.**

Promotion of students to the next higher academic session in any PROGRAMME, i.e., 4-YEAR BS Programme or Masters shall be governed by rules framed for this purpose (see under **Semester System Rules** in this prospectus).



## 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, their pre-requisites and requirements for the degree are specified as under:

- (1) The requirement for the BS (04-Years) degree under the **Faculties of Arts** (except Art and Design), **Islamic Studies** and **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 offered 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) Bachelors 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 to 4 Semesters 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/ Freshwater Biology/ Physiology
Chemistry	Physics	Zoology/ Botany/ Fresh Water Biology/ Physiology
Fresh water Biology and Fisheries	Zoology	Chemistry/ Bio-Chemistry/ Physiology
Genetics	Chemistry	Botany/ Physiology/ Microbiology/ Zoology
Geography (For Pre-Engg and Medical)	Geology	Chemistry/ Statistics/ Botany/ Chemistry/ Zoology
Geology (For Pre-Engg and Medical)	Applied Mathematics/	Chemistry/Physics/Geography/Chemistry/Botany/ Physics/ Zoology/ Microbiology



	Statistics	
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 (For Pre-Engg and Medical)	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 5-Year (10-Semester) **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 5-Year (10-Semester) **Law** degree (**D. Juris**) under the **Faculty of Law**, requirement is 180 CH
- (5) The Faculty of Commerce and Business Administration offers **4-Year (8-Semester) BS Commerce and B.B.A. (Hons.) Programmes** followed by 2-Year **MS Commerce and M.B.A. (Hons.) Programmes**, equivalent to MS/ M.Phil in these disciplines.
- BS Commerce 8-Semester Programme 136 CH
  - B.B. A (Hons) 8-Semester Programme 136 CH
  - M.B. A (Hons) 4-Semester Programme 36 CH
  - M.B. A 4-Year Programme after Bachelor (Pass) Degree 96 CH
  - M.B. A (Evening) 6-Semester Programme 69 CH

## COURSE DESCRIPTION

The curricula organizations for all the Bachelor and Master degree Programmes under various Faculties are listed in this section, under respective Faculties. **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 available with the course teacher concerned.

The relevance of course numbers to level of Programmes has been specified under Semester Regulations and is however summarised 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 4-year. 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 4-year. 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 4-year/3-year. Bachelor Hons. Programmes including Third Professional Pharm-D and 5-year LL.B.  
 600- 699 7th and 8th semester of the 4-year Bachelor degree Programmes.  
 700- 799 9th and 10th semester Pharm. D. courses of the Final Professional under the Faculty of Pharmacy and for 5- year Law degree Programmes.

### b. Bachelor of Education and PEHSS

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

### c. Masters (2 Semester) Programmes

Course numbers **600- 699** are assigned to all **two semester** Masters (after 3-year Honours) Programmes. MBA final year specialization courses are also numbered 700- 799

### d. Masters (2 Semester) Programme of Art and Design

Master (two semester) PROGRAMME courses after 8 semester Bachelor degree of the Institute of Art and Design are numbered 700- 799.

### e. Masters (4/6 Semester) Programme

Course numbers **500 to 699** identify **4- semester** Masters Regular Programmes after 2-year Pass Bachelor degree as well as **6- semester** Masters Evening Programmes.

### f. Under the 4 semester 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 REGULATIONS



### **Duration of Semester**

The academic session is divided into two semesters. The first semester commences from January with the exams in May and the second semester is observed from August to December. The duration of each semester shall be 18 weeks; out of this period sixteen weeks shall be the actual teaching time.

### **Duration of Bachelor (Undergraduate) Programmes**

All the Bachelor degree Programmes under the Faculty of Natural Sciences, Social Sciences, Islamic Studies, Arts, Commerce and Business Administration as well as Education (only B.Ed. (Elementary)) are of **four years (8-semester) duration** after successful completion of Higher Secondary Certificate or equivalent examination, **Pharm-D (Doctor of Pharmacy) and Bachelor of Law Programmes are of 5-year (10-semester) duration.**

### **Duration of Masters (Graduate) Programmes**

The Graduate (Masters) PROGRAMME is generally of two years (four-semester) duration, offered including all Programmes where minimum pre-requisite is Bachelor (Pass) degree background

**Graduates with 4- year Bachelor degree in any discipline under Faculties of Arts, Commerce and Business Administration, Education, Islamic Studies, Natural Science and Social Sciences may directly join the MS/ M.Phil degree Programmes.**

### **Course Weightage-Credit Hour**

Each course carries certain credit hours assigned to it. One credit hour (C.H.) for a particular course is generally to be considered as fifty minutes (one period) of teaching per week. The number of credit hours indicates weightage of the course compared to other courses and also reflects number of hours of teaching of that course per week. Thus a course of 3 credit hours would mean a total of  $3 \times 16 = 48$  (credit hours assigned to the course multiplied by the number of weeks of semester) hours of actual teaching of that course in a semester. Laboratory course (Practical) up to 6 hours' duration conducted once a week is assigned 1 C.H.

The credit hours are generally assigned as shown hereunder: -

English and other 'General Requirements' courses		2-3 C.H. each course per semester
All supporting Minor courses in Arts		3 C.H. each course per semester
All supporting Minor courses in Science	Theory	2 C.H. each course per semester
	Lab. (Practical)	1 C.H. each course per semester
All courses of discipline in which Majoring		
For Arts/ Commerce and Business Administration/ Islamic Studies		3 or 4 C.H. each course per semester
For Natural Science	Theory	3/ 4 C.H. each course per semester
	Lab. (Practical)	1 C.H. each course per semester

Master's level or graduate theory courses are generally assigned 3/4 C.H. weightage and laboratory (Practical) are assigned 1 C.H. up to 3 hours/ 6 hours' duration per week respectively

### **CREDIT HOUR REQUIREMENTS FOR VARIOUS DEGREE PROGRAMMES**

a)	(i)	4-Year Bachelor degree in Faculty of Arts and Faculty of Islamic studies	138	C.H.
	(ii)	4-Year Bachelor Programmes in all disciplines under Natural Science and Social Science	130/136	C.H.
	(iii)	4-Year BS Commerce from 2007 onward	136	C.H.
	(iv)	4-Year B.B.A. (Honours) from 2007 onward	136	C.H.
	(v)	5-Year (10 Semester) Pharm-D (Doctor of Pharmacy) PROGRAMME	198	C.H.
	(vi)	5-Year (10 Semester) Bachelor of Law (LL.B) PROGRAMME	180	C.H.
b)	(i)	Master's degree Programme after 2-Year Bachelor (Pass) (other than those specified below)	66	C.H.
	(ii)	MBA (Hons) 2-years after 4-Year BBA (Hons)	36	C.H.
	(iii)	MBA (Hons) 4-years after 14-Year education e.g. BSc, B.Com	96	C.H.
	(iv)	Master's in Computer and Information Technology, (after old Hons.) M. Electronics, <u>M.Telecom</u> , MS (IT) and <u>M.Software Engineering</u>	32-40	C.H.





	(v)	MBA (Evening) 6-Semester	72-69	C.H.
	(vi)	M.Sc. in I.T., Computer Science, Electronics, Telecommunication and Software Engineering	72	C.H.
	(vii)	MCS in Computer Science	60	C.H.
	(viii)	B.H.P.E.S.S./M.H.P.E.S.S., B.Ed./ M.Ed. PROGRAMME	40	C.H.
c)	(i)	Postgraduate (Post Bachelor) Diploma in Information Technology, Computer Science, Electronics, Telecommunication, Software Engineering, Archives, Community Work, Lib. and Information Science, Local Government and Public Administration	38-40	C.H.

### 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 first & second semester.
310-319	Major discipline courses to be offered during first & second semester.
320-330 & 350-399	Supporting Minor courses to be offered during first & second semester.
400-409	Courses offered under 'General education/ compulsory during third & fourth semester.
410-419	Major discipline courses to be offered during third & fourth semester.
420-430 & 450-499	Supporting Minor courses to be offered during third & fourth semester.
500-599	Major discipline courses to be offered during fifth & sixth semester of B.A./B.Com./B.B.A. Hons. Programmes & BS Part-III courses.
500-599	Courses to be offered during first & second semester of Master's (Pass) degree PROGRAMME after Bachelor Pass Degree & First & Second semester of B.Ed./ B.H.P.Ed./ P.G. Dip. Programmes.
600-699	Courses to be offered for 7th & 8th Semester of the 4-year Bachelor of Science PROGRAMME where offered & or Fourth-year of Pharm-D.
600-699	Courses to be offered for first & second semester of Masters Programmes after Honours degree as pre-requisite & Third & Fourth semester with Bachelor (Pass) background as well as BS Final (7 & 8th) Semester.
700-799	Courses to be offered for first & second semester (5-year) of Pharm-D & D-Juris, also MS/ M.Phil Courses.
800-849	Courses to be offered for MS/ M.Phil/ M.Pharm.

850-890	M.Phil/ Ph.D Thesis.
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### Fractionalized Grading Policy / Grade Equivalence

In pursuance of Resolution No.1 (4), resolved at Online Special Meeting of the Syndicate held on 05.08.2020, the following grading policy shall be implemented for all programmes running under Semester System at University of Sindh, Jamshoro from Academic Year 2021 (2K21 Batch).

Status	Grade	Grade Points	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

### Quality Point (Q.P)/ Grade Point

The University of Sindh runs maximum CGPA on Grade Numerical Value/Scale 4. The quality point of the performance of a student is obtained by multiplying the numerical value of the grade earned by a student with the credit hours of that course, e.g., a 'B+' grade in a course of 3 CH would earn  $3.2 \times 3 = 9.60$  Q.P and a 'D' grade in the same course earns  $1 \times 3 = 3$  Q.P/ G.P.

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



Grade point Average is an expression for 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) = Sum of Quality Points / Sum of the Credit Hours\_

#### **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 semester is determined by the following way:

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

1. ***GPA 2.00 or above is to be scored for successful completion of the courses offered in one or two semester or at the end of the entire Programme, provided there is no failing grade in any course.***
2. ***GPA 1.75 on the other hand qualifies for promotion from Second to Third or Fourth to 5<sup>th</sup> and so on although failing or having scored 'D' grade in some or all courses.***
3. ***With GPA less than 1.75 a student does not qualify for promotion to next higher semester.***

#### **CGPA REQUIRED FOR THE COMPLETION OF UNDERGRADUATE AND GRADUATE DEGREE**

- a) For completion of the degree, the minimum qualifying CGPAs for undergraduate programs BA/BS/MSc is 2.00.
- b) In case a student secures less than 2.00 CGPA (minimum qualifying CGPA) at the end of final Semester, s/he may be allowed to get 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 program.

#### **Evaluation**

- i. The course teacher will conduct mid-term and final semester tests. Mid-term will carry 30 marks and will be of one-hour duration.  
The final semester test will be of 50 marks and of 2 hours' duration with 8 questions (5 to be attempted).
- ii. There will be no Mid-term and final Semester tests for Lab. courses. The evaluation of Lab course will be based on performance in Lab and completion of Lab requirements.
- iii. The marks of the mid-term tests as well as the final semester tests should be announced in the class by the respective course teachers. The results should also be put up on the department's notice board immediately after evaluation is completed within **ten days** from the conduct of the tests. Copies of award lists of the mid-term tests/ final semester tests should be deposited duly signed by the concerned course teacher in the department's office. Three copies of the award list will be sent to the Controller of Examinations countersigned by the concerned Director/ Chairperson.
- iv. The students will use their roll/ seat numbers on their test scripts/ answer books. The award lists to be prepared by the teachers should also bear names of the students and their father.
- v. The cumulative results of both the semesters of the academic session as well as final result of the PROGRAMME will be announced by the Controller of Examinations. The final Transcripts and marks sheets/ Transcript will also be issued on payment by the Controller of Examinations office.
- vi. The course teacher will return the scripts of mid-term and final semester tests to department's office after evaluation. The course teacher will initial and/ or cross out unutilised space/ gap on page(s) of the scripts/ answer books at the end of paper.

#### **Student Grievances against Course Instructor/ Grade Appeal**

- a) All the departments/Institutes/campuses will have a Five-member Committee constituted of 02 senior faculty members, relevant Head of the department and Dean headed by 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.

#### **Departmental Committees**

There shall be a Departmental Committee in every institute/ department, mainly to oversee the evaluation of tests and hear Grade appeals.

The Committee shall comprise: -

Three senior most teachers including the Director / Chairperson of the Institute/ Department/, who will also be the chairperson of the Committee. In case the appeal is being made against concerned course teacher or Chairperson himself/ herself, he/she will not be the member of the committee. In case the appeal is made against the Chairperson as course teacher then the meeting of the committee shall be presided over by the concerned Dean.

In addition to hearing appeals in connection with the Grade evaluation by course teachers, this Committee would ensure strict observance of published semester schedule, particularly with respect to tests and examinations and declaration of results.

#### **Attendance**

- Attendance in classes is mandatory especially in a semester system.
- Overall minimum 75 % attendance in a program is required to appear in the examination of that program. (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.

#### **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 or 7th to the 8th and 9th to 10th etc. will be automatic made as per provisions listed below

- The student must meet the minimum requirement of 75% attendance in that semester.
- For the promotion from the second semester to the third and fourth to fifth and sixth to seventh or 8th to 9th etc. semester, a student must have (a) minimum attendance of 75 % and (b) a GPA of 1.75 or above, in the preceding two semesters.
- If a student fails to meet attendance requirements in any semester, he / she is liable to lose his / her seat and will not be allowed to appear in that semester examination and has to seek fresh admission in the next session in the same class, as explained here under: -

- If a student fails to meet the minimum attendance requirement during First semester, he/she will not be allowed to appear in the First semester examination and will not be promoted to the second semester. He/She has to seek fresh admission in the next academic session in the same class for which he will be allowed re-admission without competing with other applicants.
- If a student reaches the second semester after completing all the requirements of minimum attendance and GPA but fails to meet the minimum attendance during the second semester, he/she will not be allowed to appear in the second semester examination. However, he/ she can appear as an ex-student at the immediate next session in the second semester when the examination of that semester is held.
- The same procedure will be repeated for succeeding semesters in case of shortage of attendance.
- A student who secures less than 1.75 CGPA in the preceding two semesters, (i.e. First and Second or Third and Fourth or 5th and 6th or 7th and 8th, 9th and 10th); he/ she will not be promoted to the next semester (Third /5th/ /7th//9th), however, the student may reappear as an ex-student at the immediate next session in the respective semesters to improve his GPA when the examination of that course(s) is conducted in which he/she is failing or has scored poorly.

#### **v. Rules for Promotion for LL. B and LL.M Programmes.**

##### **➤ LL. B 2K17 onwards batches**

- From odd to even promotion will be automatic. For this purpose, it is not necessary to secure 2.00 GPA
- From even to odd 2.00 GPA is required. However, this time as because of marks certificates has not been issued yet, student securing 2.00 GPA in Secondsemester will be promoted. Students securing below 2.00 CGPA will not be promoted.
- Any student fails in one or more subjects but securing 2.00 CGPA/GPA will be promoted in next higher class.
- 2.00 CGPA is required to get degree of LL. B



- e. Candidate securing less than 2.00 CGPA can improve only subject of D grade.
- f. Students of LL. B are required to pass all the subjects of LL. B within 8 years.

➤ **LL.M 2K17 onwards batches**

- a. From odd to even promotion will be automatic. For this purpose, it is not necessary to secure 2.00 GPA
- b. From even to odd 2.00 CGPA is required. However, this time as because of marks certificates has not been issued yet, students securing 2.00 GPA in Second semester will be promoted. Students securing below 2.00 CGPA will not be promoted.
- c. Any student fails in one or more subjects but securing 2.00 CGPA/GPA will be promoted in next higher class.
- d. 2.00 CGPA is required to get degree of LL.M
- e. Candidate securing less than 2.00 CGPA can improve only subject of D grade.
- f. Students of LL.M are required to pass all the subjects of LL.M within 5 years.
- g. In the scheme of LL.M proviso "candidate securing less than 70% marks and 3.00 CGPA" shall be read as "candidate securing less than 70 marks or 2.00 CGPA"
- h. Minimum 2.00 CGPA is required for grant of LL.M degree.
- i. Students of LL.M are required to pass all the subjects of LL.M within 5 years.

vi. **For the award of degree the student must have a minimum CGPA of 2.0 without any failing grade.**

vii. whereas a student failing in 4-year BS Commerce / BBA (Hons.) examination shall not be allowed to seek admission in MS Commerce/ MBA (Hons) Degree course. The Admission to MS Commerce /MBA (Hons) would be considered provisional subject to pass their BS Commerce and BBA (Hons.) degree with minimum 50% and 60% of marks respectively.

**Cancellation of Admission:** If a student fails to attend any lecture during the **first four weeks** of the commencement of the semester as per announced schedule, his/ her admission shall stand cancelled without any notice.

**Repeating Courses**

- i. Whenever a student fails or gets a 'D' grade, he/ she can reappear or improve his/ her GPA at the immediate next sessions in the respective semester(s) when the examination for that course(s) is conducted.
- ii. 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 and obtained the degree of B.A. / BS / B.B.A. / Pharm.D. and B.H.P. Ed / B. Ed etc examination **is not allowed to improve** any course.
- iii. A student who has passed the final Degree examination (B.A./ BS / B.B.A. / Pharm.D. and B.H.P. Ed / B. Ed etc; and is placed in "D" grade in any subject may be allowed one more **chance to improve courses of the final year (both semester) only at the immediate next session** in the respective semester(s) when the examination for that course(s) is conducted.
- iv. A student who has appeared at the final Master's degree M.A. / M. Sc / M.B.A./ M.P. A / M. Com (Hons) / M.H.P. Ed examination and is placed in "D" grade in any subject may be allowed **one more chance to improve his/ her GPA of the final year only at the immediate next session** in the respective semester when the examination for that course(s) is conducted.
- v. If a student absents himself/ herself in a mid-term /final semester test for any reasons, no separate test will be held for him/ her, during that semester. He/She can appear at the immediate next session in the respective semester when the examination for that course(s) is conducted.

**TRANSFER OF CREDIT HOURS FOR UNDERGRADUATES/GRADUATES**

- a) Credits are transferred on course to course basis i.e. a person taking course A at University X is allowed to transfer his/her credits to 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 enroll students (if they fulfill 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.



### Distribution of Allocated Seats For Bachelor Degree Programs – 2021

DISCIPLINE		Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Female Quota (Jurisdiction)	Female Quota (Out of Jurisdiction)	Total Merit Seats	Disabled Person Quota	Sports Quota	Commerce Quota	Sindh University Employees Quota	Affiliated College Quota	Karachi Division Quota	Wards of Shuhda Quota	Total Reserved Seats	Sindh Province (Self Finance)	Other Province (Self Finance)	Foreign Nationals (Self Finance)	Total Self- Finance Seats	Grand Total
<b>Faculty of Natural Sciences</b>																			
Anthropology & Archeology	(BS)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Biochemistry	(BS)	60	10	10	1	81	1	1	0	10	2	1	1	16	24	5	25	54	151
Biotechnology	(BS)	60	5	10	1	76	1	1	0	10	2	1	1	16	23	5	25	53	145
Botany	(BS)	85	5	10	1	101	1	2	0	10	2	1	1	17	30	5	25	60	178
Chemistry	(BS)	90	5	10	1	106	1	2	0	10	2	1	1	17	31	5	25	61	184
Computer Science - PE	(BS)	41	20	10	2	73	1	1	0	10	2	1	1	16	22	5	25	52	141
Electronic Engineering	(BS)	25	9	0	0	34	0	0	0	2	0	1	1	04	10	1	1	12	50
Environmental Science	(BS)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Fresh Water Biology & Fisheries	(BS)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Genetics	(BS)	41	20	10	0	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Geography	(BS)	120	10	10	1	141	1	2	0	10	2	1	1	17	40	5	25	70	228
Geology	(BS)	41	20	10	0	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Information Technology	(BS)	41	20	10	2	73	1	1	0	10	2	1	1	16	22	5	25	52	141
Mathematics	(BS)	120	5	10	1	136	1	2	0	10	2	1	1	17	38	5	25	68	221
Medical & Laboratory Technology	(BS)	60	10	10	1	81	1	1	0	10	2	1	1	16	24	5	25	54	151
Microbiology	(BS)	55	5	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Nutrition & Food Technology	(BS)	20	5	10	0	35	1	0	0	10	2	1	1	15	13	0	25	38	88
Physical Education, Health & Sports Sciences	(BS)	41	20	10	0	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Physics	(BS)	90	10	10	1	111	1	2	0	10	2	1	1	17	32	5	25	62	190
Physiology	(BS)	60	10	10	1	81	1	1	0	10	2	1	1	16	24	5	25	54	151
Software Engineering	(BS)	41	20	10	0	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Statistics	(BS)	90	5	10	1	106	1	2	0	10	2	1	1	17	31	5	25	61	184
Telecommunication Engineering	(BS)	25	9	0	0	34	0	0	0	2	0	1	1	04	10	1	1	12	50
Zoology	(BS)	85	25	10	1	121	1	2	0	10	2	1	1	17	35	5	25	65	203
<b>TOTAL</b>		<b>1441</b>	<b>278</b>	<b>220</b>	<b>19</b>	<b>1958</b>	<b>22</b>	<b>28</b>	<b>0</b>	<b>224</b>	<b>44</b>	<b>24</b>	<b>24</b>	<b>366</b>	<b>585</b>	<b>107</b>	<b>552</b>	<b>1244</b>	<b>3568</b>





### Distribution of Allocated Seats For Bachelor Degree Programs – 2021

DISCIPLINE	Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Female Quota (Jurisdiction)	Female Quota (Out of Jurisdiction)	Total Merit Seats	Disabled Person Quota	Sports Quota	Commerce Quota	Sindh University Employees Quota	Affiliated College Quota	Karachi Division Quota	Wards of Shuhda Quota	Total Reserved Seats	Sindh Province (Self Finance)	Other Province (Self Finance)	Foreign Nationals (Self Finance)	Total Self- Finance Seats	Grand Total
<b>Faculty of Arts</b>																		
Art History (BAH)	30	10	10	1	51	1	1	0	10	2	1	1	16	17	5	25	47	114
Fine Arts (BFA)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Communication Design (BCD)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Textile Design (BTD)	70	10	10	1	91	1	1	0	10	2	1	1	16	27	5	25	57	164
Philosophy (BS)	20	10	10	1	41	1	0	0	10	2	1	1	15	14	5	25	44	100
Arabic (BS)	20	10	10	1	41	1	0	0	10	2	1	1	15	14	5	25	44	100
Persian (BS)	20	10	10	1	41	1	0	0	10	2	1	1	15	14	5	25	44	100
English Language and Literature (BS)	80	10	10	1	101	1	2	0	10	2	1	1	17	30	5	25	60	178
Applied Linguistics (BS)	80	10	10	1	101	1	2	0	10	2	1	1	17	30	5	25	60	178
Sindhi (BS)	40	10	10	1	61	1	1	0	10	2	1	1	16	19	5	25	49	126
Urdu (BS)	60	10	10	1	81	1	1	0	10	2	1	1	16	24	5	25	54	151
<b>TOTAL</b>	<b>520</b>	<b>110</b>	<b>110</b>	<b>11</b>	<b>751</b>	<b>11</b>	<b>10</b>	<b>0</b>	<b>110</b>	<b>22</b>	<b>11</b>	<b>11</b>	<b>175</b>	<b>233</b>	<b>55</b>	<b>275</b>	<b>563</b>	<b>1489</b>
<b>Faculty of Commerce &amp; Business Administration</b>																		
Commerce (BS)	100	10	10	1	121	1	2	0	10	2	1	1	17	35	5	25	65	203
Banking & Finance (BS)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Business Administration B.B.A (Hons)	82	40	10	2	134	1	2	10	10	2	1	1	27	40	5	25	70	231
<b>TOTAL</b>	<b>232</b>	<b>60</b>	<b>30</b>	<b>4</b>	<b>326</b>	<b>3</b>	<b>5</b>	<b>10</b>	<b>30</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>60</b>	<b>97</b>	<b>15</b>	<b>75</b>	<b>187</b>	<b>573</b>
<b>Faculty of Education</b>																		
Education (B.ED. ELEMENTARY)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
<b>Faculty of Islamic Studies</b>																		
Comparative Religion (BS)	30	10	10	1	51	1	1	0	10	2	1	1	16	17	5	25	47	114
Islamic Studies (BS)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Muslim History (BS)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
<b>TOTAL</b>	<b>130</b>	<b>30</b>	<b>30</b>	<b>3</b>	<b>193</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>30</b>	<b>6</b>	<b>3</b>	<b>3</b>	<b>48</b>	<b>61</b>	<b>15</b>	<b>75</b>	<b>151</b>	<b>392</b>



### Distribution of Allocated Seats For Bachelor Degree Programs – 2021

DISCIPLINE	Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Female Quota (Jurisdiction)	Female Quota (Out of Jurisdiction)	Total Merit Seats	Disabled Person Quota	Sports Quota	Commerce Quota	Sindh University Employees Quota	Affiliated College Quota	Karachi Division Quota	Wards of Shuhda Quota	Total Reserved Seats	Sindh Province (Self Finance)	Other Province (Self Finance)	Foreign Nationals (Self Finance)	Total Self- Finance Seats	Grand Total
<b>Faculty of Social Sciences</b>																		
Criminology (BS)	70	10	10	1	91	1	1	0	10	2	1	1	16	27	5	25	57	164
Development Communication (BS)	40	10	10	1	61	1	1	0	10	2	1	1	16	19	5	25	49	126
Economics (BS)	100	10	10	1	121	1	2	0	10	2	1	1	17	35	5	25	65	203
Gender Studies (BS)	20	10	10	1	41	1	0	0	10	2	1	1	15	14	5	25	44	100
General History (BS)	30	10	10	1	51	1	1	0	10	2	1	1	16	17	5	25	47	114
International Relation (BS)	80	5	10	1	96	1	2	0	10	2	1	1	17	28	5	25	58	171
Library & Information Science (BS)	90	10	10	1	111	1	2	0	10	2	1	1	17	32	5	25	62	190
Media & Communication Studies (BS)	80	10	10	1	101	1	2	0	10	2	1	1	17	30	5	25	60	178
Pakistan Studies (BS)	100	10	10	1	121	1	2	0	10	2	1	1	17	35	5	25	65	203
Political Science (BS)	75	10	10	1	96	1	2	0	10	2	1	1	17	28	5	25	58	171
Psychology (Science) (BS)	40	10	10	1	61	1	1	0	10	2	1	1	16	19	5	25	49	126
Psychology (Arts) (BS)	40	10	10	1	61	1	1	0	10	2	1	1	16	19	5	25	49	126
Public Administration (BS)	41	20	10	0	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Rural Development Studies (BS)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Social Work (BS)	70	10	10	1	91	1	1	0	10	2	1	1	16	27	5	25	57	164
Sociology (BS)	70	10	10	1	91	1	1	0	10	2	1	1	16	27	5	25	57	164
<b>TOTAL</b>	<b>996</b>	<b>165</b>	<b>160</b>	<b>15</b>	<b>1336</b>	<b>16</b>	<b>21</b>	<b>0</b>	<b>160</b>	<b>32</b>	<b>16</b>	<b>16</b>	<b>261</b>	<b>401</b>	<b>80</b>	<b>400</b>	<b>881</b>	<b>2478</b>
<b>Faculty of Pharmacy</b>																		
Doctor of Pharmacy (Pharm-D)	41	20	10	2	73	1	1	0	10	2	1	1	16	22	2	25	49	138
<b>Faculty of Law</b>																		
Law (5-Year Degree Program) (L.L.B)	82	40	10	0	132	1	2	0	5	2	1	1	12	36	5	25	66	210



### Distribution of Allocated Seats for Master Degree Program – 2021

DISCIPLINE	Quota / General Merit (Jurisdiction)	Quota / General Merit (Out of Jurisdiction)	Female Quota (Jurisdiction)	Female Quota (Out of Jurisdiction)	Total Merit Seats	Disabled Quota	Sports Quota	Commerce Quota	Sindh University Employees Quota	Affiliated College Quota	Karachi Division Quota	Wards of Shuhda Quota	Total Reserved Seats	Sindh Province (Self Finance)	Other Province (Self Finance)	Foreign Nationals (Self Finance)	Total Self Finance Seats	Grand Total
<b>Faculty of Natural Sciences</b>																		
Actuarial Sciences (M.Sc.)	30	5	10	1	46	1	1	0	10	2	1	1	16	16	5	25	46	108
Biochemistry (M.Sc.)	55	10	10	1	76	1	1	0	10	2	1	1	16	23	5	25	53	145
Biotechnology (M.Sc.)	30	5	10	1	46	1	1	0	10	2	1	1	16	16	5	25	46	108
Botany (M.Sc.)	75	5	10	1	91	1	1	0	10	2	1	1	16	27	5	25	57	164
Chemistry (M.Sc.)	60	5	10	1	76	1	1	0	10	2	1	1	16	23	5	25	53	145
Computer Science (M.Sc.)	40	10	10	2	62	1	1	0	10	2	1	1	16	20	5	25	50	128
Computer Science (M.C.S)	41	20	10	2	73	1	1	0	10	2	1	1	16	22	5	25	52	141
Environmental Science (M.Sc.)	30	10	10	1	51	1	1	0	10	2	1	1	16	17	5	25	47	114
Fresh Water Biology & Fisheries (M.Sc.)	60	10	10	1	81	1	1	0	10	2	1	1	16	24	5	25	54	151
Geography (M.Sc.)	60	10	10	1	81	1	1	0	10	2	1	1	16	24	5	25	54	151
Mathematics (M.Sc.)	60	5	10	1	76	1	1	0	10	2	1	1	16	23	5	25	53	145
Physics (M.Sc.)	60	10	10	1	81	1	1	0	10	2	1	1	16	24	5	25	54	151
Physiology (M.Sc.)	40	10	10	1	61	1	1	0	10	2	1	1	16	19	5	25	49	126
Statistics (M.Sc.)	60	5	10	1	76	1	1	0	10	2	1	1	16	23	5	25	53	145
Zoology (M.Sc.)	75	25	10	1	111	1	1	0	10	2	1	1	16	32	5	25	62	189
<b>TOTAL</b>	<b>816</b>	<b>155</b>	<b>160</b>	<b>18</b>	<b>1149</b>	<b>16</b>	<b>16</b>	<b>0</b>	<b>160</b>	<b>32</b>	<b>16</b>	<b>16</b>	<b>256</b>	<b>352</b>	<b>80</b>	<b>400</b>	<b>832</b>	<b>2237</b>
<b>Faculty of Commerce &amp; Business Administration</b>																		
Commerce (M.Com)	50	10	10	1	71	1	1	0	10	2	1	1	16	22	5	25	52	139
Business Administration (02-Year) M.B.A (Hons)	70	10	5	5	90	0	0	0	5	0	1	1	7	24	5	25	54	151
Business Administration (04-Year) M.B.A	82	40	10	2	134	1	1	10	10	2	1	1	26	40	5	25	70	230
<b>TOTAL</b>	<b>202</b>	<b>60</b>	<b>25</b>	<b>8</b>	<b>295</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>25</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>49</b>	<b>86</b>	<b>15</b>	<b>75</b>	<b>176</b>	<b>520</b>



### Distribution of Allocated Seats for Master Degree Program – 2021

Dicipline		Quota / General Merit (Jurisdiction)	Quota / General Merit (Out of Jurisdiction)	Female Quota (Jurisdiction)	Female Quota (Out of Jurisdiction)	Total Merit Seats	Disabled Quota	Sports Quota	Commerce Quota	Sindh University Employees Quota	Karachi Division Quota	Wards of Shuhda Quota	Affiliated College Quota	Total Reserved Seats	Sindh Province (Self Finance)	Other Province (Self Finance)	Foreign Nationals (Self Finance)	Total Self Finance Seats	Grand Total
<b>Faculty of Arts</b>																			
Arabic	(M.A)	20	10	10	1	41	1	1	0	10	1	1	2	16	14	5	25	44	101
English	(M.A)	40	10	10	2	62	1	1	0	10	1	1	2	16	20	5	25	50	128
Fine Arts	(M.A)	20	10	10	1	41	1	1	0	10	1	1	2	16	14	5	25	44	101
Persian	(M.A)	10	10	10	1	31	1	1	0	10	1	1	2	16	12	5	25	42	89
Philosophy	(M.A)	20	10	10	1	41	1	1	0	10	1	1	2	16	14	5	25	44	101
Sindhi	(M.A)	60	10	10	1	81	1	1	0	10	1	1	2	16	24	5	25	54	151
Urdu	(M.A)	80	10	10	1	101	1	1	0	10	1	1	2	16	29	5	25	59	176
<b>TOTAL</b>		<b>250</b>	<b>70</b>	<b>70</b>	<b>8</b>	<b>398</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>70</b>	<b>7</b>	<b>7</b>	<b>14</b>	<b>112</b>	<b>127</b>	<b>35</b>	<b>175</b>	<b>337</b>	<b>847</b>
<b>Faculty of Islamis Studies</b>																			
Comparative Religion	(M.A)	20	10	10	1	41	1	1	0	10	1	1	2	16	14	5	25	44	101
Islamis Culture	(M.A)	80	10	10	1	101	1	1	0	10	1	1	2	16	29	5	25	59	176
Muslim History	(M.A)	50	10	10	1	71	1	1	0	10	1	1	2	16	22	5	25	52	139
<b>TOTAL</b>		<b>150</b>	<b>30</b>	<b>30</b>	<b>3</b>	<b>213</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>30</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>48</b>	<b>65</b>	<b>15</b>	<b>75</b>	<b>155</b>	<b>416</b>
<b>Faculty of Social Sciences</b>																			
Development Studies	(M.Sc.)	50	10	10	1	71	1	1	0	10	1	1	2	16	22	5	25	52	139
Economics	(M.A)	50	10	10	1	71	1	1	0	10	1	1	2	16	22	5	25	52	139
General History	(M.A)	30	10	10	1	51	1	1	0	10	1	1	2	16	17	5	25	47	114
Home Economics	(M.Sc.)	25	10	10	1	46	1	1	0	10	1	1	2	16	16	5	25	46	108
International Relations	(M.A)	60	10	10	1	81	1	1	0	10	1	1	2	16	24	5	25	54	151
Pakistan Studies	(M.A)	50	10	10	1	71	1	1	0	10	1	1	2	16	22	5	25	52	139
Media & Communication Studies	(M.A)	50	10	10	1	71	1	1	0	10	1	1	2	16	22	5	25	52	139
Political Science	(M.A)	60	10	10	1	81	1	1	0	10	1	1	2	16	24	5	25	54	151
Psychology	(M.Sc.)	40	10	10	1	61	1	1	0	10	1	1	2	16	19	5	25	49	126
Psychology	(M.A)	30	10	10	1	51	1	1	0	10	1	1	2	16	17	5	25	47	114
Public Administration	(M.P.A)	82	40	10	0	132	1	1	0	10	1	1	2	16	37	5	25	67	215
Public Policy	(M.A)	40	10	0	0	50	0	0	0	0	1	1	0	2	13	5	25	43	95
Social Work	(M.A)	50	10	10	1	71	1	1	0	10	1	1	2	16	22	5	25	52	139
Sociology	(M.A)	50	10	10	1	71	1	1	0	10	1	1	2	16	22	5	25	52	139
Women Development Studies	(M.A)	40	10	10	1	61	1	1	0	10	1	1	2	16	19	5	25	49	126
<b>TOTAL</b>		<b>707</b>	<b>180</b>	<b>140</b>	<b>13</b>	<b>1040</b>	<b>14</b>	<b>14</b>	<b>0</b>	<b>140</b>	<b>15</b>	<b>15</b>	<b>28</b>	<b>226</b>	<b>318</b>	<b>75</b>	<b>375</b>	<b>768</b>	<b>2034</b>





## Distribution of Allocated Seats For Bachelor / Master Degree Programs – 2021

### Faculty of Education

DISCIPLINE	Quota / General Merit (Jurisdiction)	Quota/General Merit (Out of Jurisdiction)	Female Quota (Jurisdiction)	Female Quota (Out of Jurisdiction)	Total Merit Seats	Disabled Person Quota	Sports Quota	Sindh University Employees Quota	Affiliated College Quota	Karachi Division Quota	Wards of Shuhda Quota	Total Reserved Seats	Sindh Province (Self Finance)	Other Province (Self Finance)	Total Self- Finance Seats	Grand Total
B.Ed. Secondary (2.5 Year) Morning	75	10	10	5	100	1	2	10	2	1	1	17	28	5	33	150
B.Ed. Secondary (1.5 Year) Morning	75	10	10	5	100	1	2	10	2	1	1	17	28	5	33	150
M.Ed. (1 Year) Morning	75	10	10	5	100	1	2	10	2	1	1	17	28	5	33	150
Early Childhood Education (ECE) Post Graduate Diploma (PGD) (1 Year)	75	10	10	5	100	1	2	10	2	1	1	17	28	5	33	150
B.Ed. Secondary (2.5 Year) Evening																100
B.Ed. Secondary (1.5 Year) Evening																100
M.Ed. (1 Year) Evening																100
Early Childhood Education (ECE) Post Graduate Diploma (PGD) (1 Year) Evening																100

#### Seats Allocation for Bachelor Degree Programs (Evening)

DISCIPLINE / SUBJECT	SEATS
Business Administration (Main Campus)	200
Business Administration (Old Campus)	120
Chemistry (BS)	100
Criminology (BS)	150
Commerce (BS)	100
Computer Science (BS)	150
English Language and Literature (Main Campus)	150
English Language and Literature (Old Campus)	100
Applied Linguistics (Main Campus)	150
Forestry (BS)	50
Information Technology (BS)	150
Media & Communication Studies (BS)	150
Pharmacy (PHARM-D)	110
Physics (BS)	150
Public Administration (BS)	100
Software Engineering (BS)	100
Sociology (BS)	50
<b>TOTAL</b>	<b>2080</b>

#### Seats Allocation for Master Degree Programs (Evening)

DISCIPLINE / SUBJECT	SEATS
Business Administration (M.B.A)	300
Computer Science (M.SC)	50
Computer Science (PGD)	50
Criminology (M.SC)	50
English Language and Literature (M.A) (Main Campus)	100
English Language and Literature (M.A) (Old Campus)	50
Applied Linguistics (M.A) (Main Campus)	100
Information Technology (MIT)	50
Information Technology (PGD)	50
Law (LL.M)	100
Pharmacy (CONDENSED COURSE)	50
Physical Education (BHPRESS)	100
Physical Education (MHPRESS)	100
Public Administration (M.P.A)	50
Public Administration (P.G.D)	50
Sociology (M.A)	50
Telemedicine and E-Health (M.Sc)	50
<b>TOTAL</b>	<b>1350</b>





### Distribution of Allocated Seats for Bachelor / Master Degree Programs - Campus Wise – 2021

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	B.B.A (HONS)	50	10	0	2	62	15	77
Computer Science	(BS)	50	10	0	2	62	15	77
Commerce	(BS)	50	10	0	2	62	15	77
English	(BS)	50	10	0	2	62	15	77
Commerce	(M.Com)	50	10	0	2	62	15	77
Mohtarma Benazir Bhutto Shaheed, Sindh University Campus, Dadu								
Business Administration	B.B.A (HONS)	50	10	0	0	60	15	75
English	(BS)	50	10	0	0	60	15	75
Information Technology	(BS)	50	10	0	0	60	15	75
Business Administration	M.B.A (4-Year Degree	50	10	0	0	60	15	75
Business Administration	M.B.A (Evening)	50						50
English	M.A (Evening)	50						50
Sindh University Campus, Mirpurkhas								
Business Administration	B.B.A (HONS)	36	8	4	0	48	0	48
Commerce	(BS)	36	8	0	0	44	0	44
Computer Science	(BS)	36	8	0	0	44	0	44
English	(BS)	36	8	0	0	44	0	44
Geology	(BS)	36	8	0	0	44	0	44
Information Technology	(BS)	36	8	0	0	44	0	44
English	M.A (Evening)	50						50
Business Administration	M.B.A (Evening)	50						50



### Distribution of Allocated Seats for Bachelor / Master Degree Programs - Campus Wise – 2021

Dicipline		Quota / General Merit	Female Quota	Commerce Quota	Sindh University Employees Quota	Total Merit Seats	Self Finance Seats	Grand Total
Sindh University Campus, Larkana								
Business Administration	B.B.A (HONS)	50	10	0	0	60	15	75
Computer Science	(BS)	50	10	0	0	60	15	75
English	(BS)	50	10	0	0	60	15	75
English	(M.A)	50	10	0	0	60	15	75
English	(M.A) Evening	50						50
Business Administration	M.B.A(Evening)	50						50
Sindh University Campus, Thatta								
Business Administration	B.B.A (HONS)	50	10	0	2	62	15	77
Computer Science	(BS)	50	10	0	2	62	15	77
English	(BS)	50	10	0	2	62	15	77
English	(M.A)	50	10	0	2	62	15	77
Commerce	(M.Com)	50	10	0	2	62	15	77
Business Administration	M.B.A (Evening)	50						50
Coastal Zone Management	(M.Sc) Evening	50						50
Computer Science	(03 MONTHS CERTIFICATE COURSE)	50						50
Coastal Zone Management	(03 MONTHS CERTIFICATE COURSE)	50						50
Khan Bahadur Syed Allahando Shah Sindh University Campus, Naushehroferoze								
Business Administration	B.B.A (HONS)	50	10	0	0	60	15	75
Computer Science	(BS)	50	10	0	0	60	15	75
English	(BS)	50	10	0	0	60	15	75
Information Technology	(BS)	50	10	0	0	60	15	75
English	(M.A)	50	10	0	0	60	15	75
Business Administration	(M.B.A)	50	10	0	0	60	15	75
Business Administration	(M.B.A (Evening)	50						50



### Fees Structure For Bachelor Degree Programs (Merit) – 2021

S #	CLASS	Admission Fee	Caution Money	Marks Certificate Verification Fee	Enrolment Card Fee	Identity Card Fee	Sports Fee	Extra-Curricular Activities Fee	Study Tour Fee	University Development Fund	Library Development Fund	Laboratory Fee Computer Lab Fee	Shuttle Bus Service Fare	Bus Fare	Pharmacy Council Registration Fee	Tuition Fee	Examination Fee	Total Fees
1	Bachelor (First Year) General Disciplines	3500	500	1500	550	250	200	200	1500	1500	600	600	500	6000	0	3000	1600	<b>22000</b>
2	Bachelor (First Year) Quota Oriented Disciplines	3500	500	1500	550	250	200	200	1500	1500	600	600	500	6000	0	4500	1600	<b>23500</b>
3	Doctor Of Pharmacy- (Pharm-D) First Professional	3500	500	1500	550	250	200	200	1500	1500	600	600	500	6000	1000	9000	1600	<b>29000</b>
4	Bachelor (Next Higher Classes) General Disciplines (Per Year)	3500	0	0	0	250	200	200	1500	1500	600	600	500	6000	0	3000	1600	<b>19450</b>
5	Bachelor (Next Higher Classes) Quota Oriented Disciplines (Per Year)	3500	0	0	0	250	200	200	1500	1500	600	600	500	6000	0	4500	1600	<b>20950</b>
6	Doctor Of Pharmacy - (Pharm-D) (Next Higher Classes) - Per Year	3500	0	0	0	250	200	200	1500	1500	600	600	500	6000	0	9000	1600	<b>25450</b>
7	Law (LL.B) (First, Second, Third, Fourth & Fifth Year)	<i>(Full Package (Per Year) - Fees may be paid in two installments)</i>																<b>48000</b>
8	BS (Electronic Engineering) / BS (Telecommunication Engineering) (First, Second, Third & Fourth Year)	<i>(Full Package (Per Year) - Fees may be paid in two installments)</i>																<b>42000</b>

- Enrolment Card Fee & Eligibility Certificate fee for the students of Sindh Province, migrating/passing examination from other Boards (out of jurisdiction of University of Sindh) — Rs. 2550/=
- Enrolment Card Fee & Eligibility Certificate fee for the students of other Provinces, migrating/ passing examination from other Boards (out of jurisdiction of University of Sindh) — Rs. 4050/=
- Admission form fees (Next Higher Class) – Rs. 50/= (Per Year)



### Fees Structure For Master Degree Programs (Merit) - 2021

S#	CLASS	Admission Fee	Caution Money	Marks Certificate Verification Fee	Enrolment Card Fee	Identity Card Fee	Sports Fee	Extra-Curricular Activities Fee	Study Tour Fee	University Development Fund	Library Development Fund	Laboratory Fee	Shuttle Bus Service Fare	Bus Fare	Tuition Fee	Examination Fee	Total Fees
1	Master (Previous) All General Disciplines	3500	500	1500	550	250	200	200	3000	2000	600	600	500	6000	4000	1600	<b>25000</b>
2	M.B.A (4 Year Degree Program)	3500	500	1500	550	250	200	200	1500	2000	600	600	500	6000	7000	1600	<b>26500</b>
3	M.B.A (Hons.) - First Year M.P.A (Previous) Public Administration M.C.S (Previous) Computer Science M.Sc (Previous) Computer Science	3500	500	1500	550	250	200	200	3000	2000	600	600	500	6000	7500	1600	<b>28500</b>
4	M.Sc (Previous) Home Economics M.Sc (Previous) Development Studies	3500	500	1500	550	250	200	200	3000	2000	600	600	500	6000	14000	1600	<b>35000</b>
5	Master (Final) All General Disciplines	3500	0	0	0	250	200	200	3000	2000	600	600	500	6000	4000	1600	<b>22450</b>
6	M.B.A (Next Higher Classes) Per Year	3500	0	0	0	250	200	200	1500	2000	600	600	500	6000	7000	1600	<b>23950</b>
7	M.B.A (Hons) Final M.P.A (Final) Public Administration M.C.S (Final) Computer Science M.Sc (Final) Computer Science	3500	0	0	0	250	200	200	3000	2000	600	600	500	6000	7500	1600	<b>25950</b>
8	M.Sc (Final) Home Economics M.Sc (Final) Development Studies	3500	0	0	0	250	200	200	3000	2000	600	600	500	6000	14000	1600	<b>32450</b>

- Enrolment Card Fee & Eligibility Certificate fee for the students of Sindh Province, migrating/passing examination from other Universities — Rs. 2550/=
- Enrolment Card Fee & Eligibility Certificate fee for the students of other Provinces, migrating/passing examination from other Universities — Rs. 4050/=
- Admission form fees (Next Higher Class) —Rs. 50/= (Per Year)



### Fees Structure for Bachelor Degree Programs - Self Finance (Morning) – 2021

SUBJECT	Fees for students of Sindh Province		Fees for students of Other Provinces		SUBJECT	Fees for students of Sindh Province		Fees for students of Other Provinces	
	First Year	Next Higher Classes (Per Year)	First Year	Next Higher Classes (Per Year)		First Year	Next Higher Classes (Per Year)	First Year	Next Higher Classes (Per Year)
Anthropology & Archaeology (BS)	68000	65500	80000	80000	Islamic Studies (BS)	56500	54000	80000	80000
Arabic (BS)	56500	54000	80000	80000	Library & Information Science (BS)	56500	54000	80000	80000
Art History (BAH)	56500	54000	80000	80000	Law 5-Year Degree Program (LL.B)	140000	140000	190000	190000
Banking and Finance (BS)	68000	65500	80000	90000	Media & Communication Studies (BS)	56500	54000	80000	80000
Business Administration B.B.A (HONS)	93000	90500	150000	150000	Mathematics (BS)	68000	65500	80000	80000
Education B.Ed. Elementary	56500	54000	80000	80000	Medical Laboratory Technology (BS)	68000	65500	80000	80000
Biochemistry (BS)	68000	65500	80000	80000	Microbiology (BS)	68000	65500	80000	80000
Biotechnology (BS)	68000	65500	80000	80000	Muslim History (BS)	56500	54000	80000	80000
Botany (BS)	68000	65500	80000	80000	Nutrition & Food Analysis (BS)	68000	65500	80000	80000
Chemistry (BS)	68000	65500	80000	80000	Pakistan Studies (BS)	56500	54000	80000	80000
Commerce (BS)	68000	65500	80000	90000	Persian (BS)	56500	54000	80000	80000
Communication Design (BCD)	56500	54000	80000	80000	Pharmacy 5-Year Degree Program (Pharm-D)	121000	117500	191000	190000
Comparative Religion (BS)	56500	54000	80000	80000	Philosophy (B.A)	56500	54000	80000	80000
Computer Science (BS)	93000	90500	150000	150000	Physical Education (BS)	68000	65500	80000	80000
Criminology (BS)	56500	54000	80000	80000	Physics (BS)	68000	65500	80000	80000
Development Studies (BS)	56500	54000	80000	80000	Physiology (BS)	68000	65500	80000	80000
Economics (BS)	56500	54000	80000	80000	Political Science (BS)	56500	54000	80000	80000
Electronic Engineering (BS)	225000	225000	225000	225000	Psychology (BS)	56500	54000	80000	80000
English (BS)	68000	65500	100000	90000	Public Administration (BS)	70000	70000	80000	90000
Environmental Sciences (BS)	68000	65500	80000	80000	Rural Development Studies (BS)	56500	54000	80000	80000
Fine Arts (BFA)	56500	54000	80000	80000	Sindhi (BS)	56500	54000	80000	80000
Fresh Water Biology & Fisheries (BS)	68000	65500	80000	80000	Social Work (BS)	56500	54000	80000	80000
Gender Studies (BS)	56500	54000	80000	80000	Sociology (BS)	56500	54000	80000	80000
General History (BS)	56500	54000	80000	80000	Software Engineering (BS)	93000	90500	150000	150000
Genetics (BS)	70000	70000	80000	80000	Statistics (BS)	68000	65500	80000	80000
Geography (BS)	68000	65500	80000	80000	Telecommunication Engineering (BS)	225000	225000	225000	225000
Geology (BS)	93000	90500	150000	150000	Textile Design (BTD)	56500	54000	80000	80000
Information Technology (BS)	93000	90500	150000	150000	Urdu (BS)	56500	54000	80000	80000
International Relations (BS)	56500	54000	80000	80000	Zoology (BS)	68000	65500	80000	80000

**Note:** Enrolment card and Eligibility Certificate Fees for the students, migrating / passing examination from other boards (out of jurisdiction of University of Sindh) will be charged separately.





### Fees Structure for Master Degree Programs - Self Finance (Morning) – 2021

SUBJECT	Fees for students of Sindh Province		Fees for students of Other Province		SUBJECT	Fees for students of Sindh Province		Fees for students of Other Province	
	Previous	Final	Previous	Final		Previous	Final	Previous	Final
Actuarial Sciences (M.Sc.)	77000	74500	100000	100000	International Relations (M.A)	59500	57000	80000	80000
Arabic (M.A)	59500	57000	80000	80000	Islamic Culture (M.A)	59500	57000	80000	80000
Biochemistry (M.Sc.)	77000	74500	100000	100000	Mathematics (M.Sc.)	77000	74500	100000	100000
Biotechnology (M.Sc.)	77000	74500	100000	100000	Media & Communication Studies (M.A)	59500	57000	80000	80000
Botany (M.Sc.)	77000	74500	100000	100000	Muslim History (M.A)	59500	57000	80000	80000
Business Administration <b>M.B.A (4-Year)</b>	96000	*93500	135000	*135000	Pakistan Studies (M.A)	59500	57000	80000	80000
Business Administration M.B.A (Hons)	98000	95500	135000	135000	Persian (M.A)	59500	57000	80000	80000
Chemistry (M.Sc.)	77000	74500	100000	100000	Philosophy (M.A)	59500	57000	80000	80000
Commerce (M.COM)	77000	74500	100000	100000	Physics (M.Sc.)	77000	74500	100000	100000
Comparative Religion (M.A)	59500	57000	80000	80000	Physiology (M.Sc.)	77000	74500	100000	100000
Computer Science (M.Sc.) / MCS	98000	95500	135000	135000	Political Science (M.A)	59500	57000	80000	80000
Development Studies (M.Sc.)	87000	84500	100000	100000	Psychology (M.A / M.SC)	59500	57000	80000	80000
Economics (M.A)	59500	57000	80000	80000	Public Administration (M.P.A)	80500	78000	100000	100000
English (M.A)	77000	74500	100000	100000	Sindhi (M.A)	59500	57000	80000	80000
Environmental Sciences (M.Sc.)	77000	74500	100000	100000	Social Work (M.A)	59500	57000	80000	80000
Fine Arts (M.A)	59500	57000	80000	80000	Sociology (M.A)	59500	57000	80000	80000
Fresh Water Biology & Fisheries (M.Sc.)	77000	74500	100000	100000	Statistics (M.Sc.)	77000	74500	100000	100000
General History (M.A)	59500	57000	80000	80000	Urdu (M.A)	59500	57000	80000	80000
Geography (M.Sc.)	77000	74500	100000	100000	Women Development Studies (M.A)	59500	57000	80000	80000
Home Economics (M.Sc.)	87000	84500	100000	100000	Zoology (M.Sc.)	77000	74500	100000	100000

**\*M.B.A (4-Year Degree Program) Fees for Next Higher Classes (Per Year)**

**Note:** Enrolment card and Eligibility Certificate Fees for the students, migrating / passing examination from other universities, will be charged separately.



### FEES STRUCTURE FOR EVENING PROGRAMS - 2021

DISCIPLINE		Total Fee (Per Year)	Per Semester fee	DISCIPLINE		Total Fee (Per Year)	Per Semester fee
<b>Bachelor Degree Programs (Evening)</b>				<b>Master Degree Programs (Evening)</b>			
BUSINESS ADMINISTRATION	B.B.A (Hons)	77000	38500	BUSINESS ADMINISTRATION	(M.B.A)	79500	26500
CHEMISTRY	(BS)	51500	25750	COMPUTER SCIENCE	(M.SC)	80000	40000
COMMERCE	(BS)	51500	25750	CRIMINOLOGY	(M.SC)	80000	40000
COMPUTER SCIENCE	(BS)	77000	38500	ENGLISH	(M.A)	66000	33000
CRIMINOLOGY	(BS)	51500	25750	INFORMATION TECHNOLOGY	(MIT)	80000	40000
ENGLISH	(BS)	51500	25750	LAW	(L.L.M)	70000	35000
FORESTRY	(BS)	51500	25750	PUBLIC ADMINISTRATION	(M.P.A)	80000	40000
INFORMATION TECHNOLOGY	(BS)	77000	38500	SOCIOLOGY	(M.A)	66000	33000
MEDIA & COMMUNICATION STUDIES	(BS)	51500	25750	TELEMEDICINE & E-HEALTH	(M.SC)	80000	40000
PHYSICS	(BS)	51500	25750	PHYSICAL EDUCATION	(BHPES / MHPES)	53000	26500
PUBLIC ADMINISTRATION	(BS)	51500	25750	PHARMACY (CONDENSED COURSE)		100000	50000
SOFTWARE ENGINEERING	(BS)	77000	38500	ALL POST GRADUATE DIPLOMAS (EVENING)		50000	25000
SOCIOLOGY	(BS)	51500	25750				
*DOCTOR OF PHARMACY -	(PHARM-D)	102500	51250				

**Note:** Examinations fees Rs.1000/= (per semester) is included in above package.

Study Tour Fees Rs.1500/= (per year) for Bachelor Degree Programs and Rs.3000/= (per year) for Master Degree Programs are included in above package.

**Following fees will be charged separately.**

- \* Pharmacy Council Registration fee from the Students of Pharm.D. Rs. 1000/- (Once).
- Enrolment Card Fee for the Students of Sindh Province, Passing Last Examination from Boards/Universities of Jurisdiction of University of Sindh Rs. 550/=
- Enrolment Card Fee & Eligibility Certificate Fee for the Students of Sindh Province, Migrating/Passing Examination from other Boards/Universities out of Jurisdiction of the University of Sindh — Rs. 2550/=
- Enrolment Card Fee & Eligibility Certificate Fee for the Students of other Provinces, Migrating/ Passing Examination from other Boards/Universities out of Jurisdiction of the University of Sindh — Rs. 4050/=
- Admission Form Fee (Next Higher Class) —Rs. 50/= (Per Year).
- Admission Form Fee LL.M (Final Year) —Rs. 500/=

**Note: Minimum requirement of number of students for conduct of Evening classes in each discipline is 25 (twenty-five).**



### Fee Structure for Faculty of Education, Elsa Kazi Campus, Hyderabad - 2021

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)												<b>75000/=</b>
2	B.Ed. - SECONDARY (2.5 YEARS) - EVENING	FEES MAY BE PAID SEMESTER WISE (Rs: 25000/= Per Semester)												<b>125000/=</b>
3	B.Ed. - SECONDARY (1.5 YEARS) - MORNING	FEES MAY BE PAID SEMESTER WISE (Rs: 15000/= Per Semester)												<b>45000/=</b>
4	B.Ed. - SECONDARY (1.5 YEARS) - EVENING	FEES MAY BE PAID SEMESTER WISE (Rs: 25000/= Per Semester)												<b>75000/=</b>
5	ONE YEAR POST GRADUATE DIPLOMA IN EARLY CHILDHOOD EDUCATION (PGDECE) - MORNING	FEES MAY BE PAID SEMESTER WISE (Rs: 25000/= Per Semester)												<b>50000/=</b>
6	ONE YEAR POST GRADUATE DIPLOMA IN EARLY CHILDHOOD EDUCATION (PGDECE) - EVENING	FEES MAY BE PAID SEMESTER WISE (Rs: 30000/= Per Semester)												<b>60000/=</b>

*Following fees will be charged separately.*

- Enrolment Card Fee & Eligibility Certificate Fee for the Students of Sindh Province, Migrating/Passing Examination from other Boards/Universities out of Jurisdiction of the University of Sindh — Rs. 2550/=
- Enrolment Card Fee & Eligibility Certificate Fee for the Students of other Provinces, Migrating/ Passing Examination from other Boards/Universities out of Jurisdiction of the University of Sindh — Rs. 4050/=
- Admission Form Fee (Next Higher Class) —Rs. 50/= (Per Year).



## Fees Structure for Campuses of University of Sindh - 2021

S.NO	NAME OF CAMPUS	SINDH UNIVERSITY LAAR CAMPUS, BADIN (INCLUDING TRANSPORT FEES)	M.B.B.S. SINDH UNIVERSITY CAMPUS, DADU	SINDH UNIVERSITY CAMPUS, MIRPURKHAS	SINDH UNIVERSITY CAMPUS, LARKANA	SINDH UNIVERSITY CAMPUS, THATTA	KBSAS, SINDH UNIVERSITY CAMPUS, MAUSHEHROZE
<b>DISCIPLINES / DEGREE PROGRAMS</b>							
1	B.B.A (HONS) / BS (INFORMATION TECHNOLOGY / COMPUTER SCIENCE / GEOLOGY) FIRST YEAR	23000	17000	17000	17000	17000	17000
2	BS (ENGLISH / COMMERCE / MATHEMATICS) FIRST YEAR	21500	15500	15500	15500	15500	15500
3	M.B.A (FIRST YEAR) 4-YEAR DEGREE PROGRAM	= =	20000	= =	= =	= =	20000
4	M.A (PREVIOUS) ENGLISH / M.COM (PREVIOUS)	24500	18500	18500	18500	18500	18500
5	B.B.A (HONS) / BS (INFORMATION TECHNOLOGY / COMPUTER SCIENCE / GEOLOGY) 2 <sup>ND</sup> , 3 <sup>RD</sup> & 4 <sup>TH</sup> YEAR	20500	14500	14500	14500	14500	14500
6	BS (ENGLISH / COMMERCE / MATHEMATICS) 2 <sup>ND</sup> , 3 <sup>RD</sup> & 4 <sup>TH</sup> YEAR	19000	13000	13000	13000	13000	13000
7	M.B.A (2 <sup>ND</sup> , 3 <sup>RD</sup> & 4 <sup>TH</sup> YEAR)	= =	17500	= =	= =	= =	17500
8	M.A (FINAL) ENGLISH / M.COM (FINAL)	22000	16000	16000	16000	16000	16000

<b>M.B.A (EVENING)</b>	<b>Rs:</b>
<b>TOTAL FEES (PER YEAR)</b>	<b>79500/=</b>
FEES (PER SEMESTER)	26500/=

<b>M.A ENGLISH (EVENING)</b>	<b>Rs:</b>
<b>TOTAL (PER YEAR)</b>	<b>66000/=</b>
FEES (PER SEMESTER)	33000/=

**Note:** - Examinations fees Rs.1000/= (per semester) is included in above package (Evening Degree Programs).

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

- Enrolment Card Fee for the Students of Sindh Province, Passing Last Examination from University of Sindh Rs. 550/= (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. 2550/=
- 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. 4050/=



**FEES STRUCTURE FOR FOREIGN NATIONALS - 2021**

<b>ALL BACHELOR / MASTER DEGREE PROGRAMMES (Morning / Evening)</b>	<b>FULL PACKAGE (Per Year) 2000 US\$</b>
<b>BS (Electronic Engineering) BS (Telecommunication Engineering)</b>	<b>FULL PACKAGE (Per Year) 3000 US\$ + Regular Fees Rs. 42000/=</b>

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





**FEE STRUCTURE FOR BOYS / GIRLS HOSTELS - 2021**

<b>S.No.</b>	<b>Contents</b>	<b>Total Fees (Per year)</b>
1.	For students of Sindh Province (Hostels without attach bath)	Rs. 4500/=
2.	For students of Sindh Province (Hostels with attach bath)	Rs. 5100/=
3.	For students of other Provinces	Rs. 9300/=
4.	For Foreign students	Rs. 16500/=



## FEE REFUND POLICY

Admission/other fees, once deposited for regular merit/ self-finance seat, shall not be fully refunded but it would be refunded as under:

Percentage% of Tuition Fee	Time Line for Semester/ Tri-semester System
Full (100%) Fee Refund	Upto the 7th Day of Commencement of Classes
Half (50%) Fee Refund	from 8th—15th Day of Commencement of Classes
No Fee (0%) Refund	from 16th day of Commencement of Classes

- i. % age of Fee shall be applicable on all component of fee, except for security and admission charges.
- ii. 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 Programme 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) 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.

In case of admission in Evening Programme, 70% amount of fees 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. It 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

### DISCIPLINES

Arabic

Persian

English

Sindhi

Urdu

Fine Arts

Textile Design

Communication  
Design

Art History

Philosophy



**Prof. Dr. Muhammad Anwar Figar Hakro**  
Dean  
Ph.D. (SALU)





## 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 Art Department at public University of Sindh. The Department of Fine Arts was set up in 1970 by the famous Artist Professor A.R Nagori at the Allama I.I 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 field of utilitarian design in Pakistan, in 2005 design degree were 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 Program were introduced in art and design both disciplines i.e. BFA (Bachelor of Fine Arts), BA (Art History), and B. 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 programs; however, the foundation year is same for all disciplines. A new addition in 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 has been 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) 8 Semesters, 4 years Program has also been approved for new admissions in the University of Sindh.

### The teaching faculty comprises of the following:

**Mangi, Saeed Ahmed, Associate Professor and Director**

M.M.A (Masters Multimedia Arts) 2005 NCA, Lahore.  
M.A (Fine Arts) (S.U) 1994, B.A (Fine Arts) (S.U) 1992

**Baloch, Waheeda Bano, Associate Professor**

M.A (Fine Arts) (S.U) 2000, Masters, Stockholm University Sweden 2013

**Khaskhali, Ghulam Qasim, Assistant Professor**

M.A (Fine Arts) (S.U) 1994, B.A Fine Arts 1992 (S.U)

**Khilji, Naimatullah, Assistant Professor**

M.A (Fine Arts) (S.U) 1994, B.A Fine Arts 1992 (S.U)

**Rashdi, Pir Najeebullah, Assistant Professor**

M.A Visual Art (NCA, Lahore), M.A (Fine Arts) (S.U) 1998, B.A (Fine Arts) (S.U)

**Jamali, Nadir Ali, Assistant Professor**

B.F.A (NCA Lahore) – 1996

**Abro, Rabella, Assistant Professor**

B. D (Communication Design), CEAD, MUET, Jamshoro-2008

**Mirani, Hisamuddin, Assistant Professor**

B. D (Communication Design), CEAD, MUET, Jamshoro -2008

**Shaikh, Sabeen Naeem, Assistant Professor**

B. D (Communication Design), IAD, S.U, Jamshoro – 2008

**Shiakh, Erum Fazal, Lecturer**

B. D (Communication Design), CEAD, MUET, Jamshoro – 2004

**Khilji, Samreen, Lecturer**

B. D (Communication Design), IAD, S.U, Jamshoro – 2008



## Degree Programs

### **Fine Arts**

**BFA 04- Year Degree Program (8 semester) CH-137**

Pre-requisite: H.S.C, Pre Entry Test and Aptitude Test

### **Communication Design**

**B. Design 04- Year Degree Program (8 semester) CH-135**

Pre-requisite: H.S.C, Pre Entry Test and Aptitude Test

### **Textile Design**

**B. Design 04- Year Degree Program (8 semester) CH-140**

Pre-requisite: H.S.C, Pre Entry Test and Aptitude Test

### **Art History**

**B.A.H. 04- Year Degree Program (8 semester) CH-140**

Pre-requisite: H.S.C, Pre Entry Test and Aptitude Test

**M.A. Pass 2 year degree in Fine Arts (Evening) CH-66**

Pre-requisite: B.A Fine Arts, Pre Entry Test and Aptitude Test

**Art Education (Evening) CH-66**

Pre-requisite: B.A Pass Fine Arts/Drawing Masters, Pre Entry Test and Aptitude Test.

**DIPLOMA IN MUSIC (Evening) CH-34**

Pre-requisite: S.S.C or Equivalent with Pre Entry Audition Test

**Ceramic Design and Glazed Pottery**

(Future Program)

**Indus Valley Music and Theatre (Evening)**

(Future Program)

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

**4- Year Degree Programme (8-Semester) 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 (Minar-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 3<sup>rd</sup> 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

Seventh Semester		C.H	Eight 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 Viva Voce	2
TD 686	Weaving -V	4			
TD 687	Textile Design-V (CAD)	4			
TD 688	Fashion Illustration-II	4			

#### 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 415	Drawing -III	3	FA 426	Painting-IV	3
FA 416	Painting -III	3	AH 455	Introduction to History of Western Art	3
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

#### 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



**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						

**MASTER OF ARTS IN FINE ARTS: 2- YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66**

Pre-requisite, B.A (Pass) Fine Arts, Pre-Entry Test & Aptitude Test

**M.A (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					

**M.A (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	

**M.A IN ART EDUCATION (EVENING) 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66**

Pre-requisite, B.A (Pass) Fine Arts, Pre-Entry Test & Aptitude Test

**MA PREVIOUS**

PAST PREVIOUS					
First Semester		C.H	Second Semester	C.H	
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**

Third Semester			C.H	Fourth Semester			C.H
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 (2-SEMESTER) CH-34**

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

First Semester			C.H	Second Semester			C.H
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 108	Vocal Performance	3	
DM 103	Vocal Performance	3		DM 109	Sindhi Tall System	3	
DM 104	Sindhi Tall System	3		DM 110	Shah jo Raag	3	
DM 105	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.

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 Applied Linguistics. In addition, the IELL also offers M.Phil and Ph. D degrees in both disciplines. IELL is a leading institute in Pakistan with a great number of Ph.D and M.Phil faculty members both in English Literature and Applied Linguistics.

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

**Memon Rafique Ahmed, Professor and PVC Thatta Campus**

M.A. (SU) 1990, M.Ed. 1995 TESOL, Ph.D TESOL, 2006 (Leeds), UK

**Sangi Muhammad Khan, Professor**

M.A. (S.U.) 1994, DipTEIL (AIOU) 1997, Ph.D (S.U.) 2009

**Umrani Tariq Hassan, Professor and Director**

M.A.(S.U.) 1999, M.A. TESOL (Leicester, UK) 2009, Ph.D (Swansea, UK) 2014

**Soomro Abdul Fatah, Professor**

M.A. (S.U.) 2000, Ph.D (Leicester, UK) 2013

**Bughio Faraz Ali, Professor**

M.A. (S.U.) 2000, M.A. ELT (Sussex, UK) 2008, Ph.D (Sussex, UK) 2013

**Shahriar Ambreen, Associate Professor (On Lien)**

M.A. (S.U.) 2002, MA Applied Linguistics and TESOL (Leicester, UK) 2007, Ph.D (Goldsmiths, UK) 2013

**Ansari Komal, Associate Professor**

M.A. (S.U.) 2002, Ph.D (Bedfordshire, UK) 2015

**Panhwar Abdul Hameed, Associate Professor**

M.A. (S.U.) 2002, Ph.D (Anglia Ruskin University, UK) 2016

**Umrani Sumera, Associate Professor**

M.A. (S.U.) 2005, M.Sc. (Edinburgh, UK) 2011, Ph.D (Edinburgh, UK) 2016

**Ansari Sanaullah, Associate Professor**

M.A. (S.U.) 2001, Ph.D (Bedfordshire, UK) 2015

**Panhwar Farida Yasmeen, Assistant Professor**

M.A. (S.U.) 1988, Ph.D (Sussex, UK)

**Shah Syed Sharf Ali, Assistant Professor (On Lien)**

M.A. (SU) 1999

**Buriro Ghulam Ali, Assistant Professor**

M.A. (S. U) 1995, Diploma in Civics Education (USA) 2005, M.Phil (Hamdard University, Karachi) 2013, Ph.D (Hamdard University, Karachi) 2017

**Ranjhani Ishrat, Assistant Professor**

M.A. (S. U) 2002, M.Phil. English Literature (S.U.) 2018

**Khokhar Samina Abbas, Assistant Professor (On Study Leave)**

M.A. (S.U.) 2002

**Qadri Shafqat, Assistant Professor**

M.A. Literature (S.U.) 2004, M.A. Linguistics (KU) 2006, MS (New Zealand) 2010

**Shaikh Ghazal, Assistant Professor**

M.A. (SU) 2007, M.A. (YORK, UK) 2013, Ph.D (University of York, UK) 2017

**Lashari Mubarak Ali, Assistant Professor**

M.A. (SALU) 2003, M.Phil Linguistics (IIU, Islamabad) 2010, Ph. D (IIU, Islamabad) 2017

**Gopang Illahi Bux, Assistant Professor**

M.A. (SU) 2006, M.Phil (SU) 2016

**Buriro Ghulam Saqib, Assistant Professor**

M.A. (NUML Islamabad) 2007, M.Phil (UOA New Zealand) 2012

**Chandio Saira Altaf, Assistant Professor (On Study Leave)**

M.A. Literature (SU) 2007, DIP English (NUML, ISB) 2009, MA ELT (NUML, ISB) 2010, M.Phil (IQRA, KARACHI)



Malik Waseem, Assistant Professor

M.A. Literature (SU) 2004, M.Phil English Literature (BZU, Multan) 2009

Brohi Faiz Muhammad, Assistant Professor

M.A. (SU) 2006, Ph.D English Literature (S.U.) 2018

Baloch Paras, Lecturer (On Study Leave)

M.A. (SU) 2005

Shah Shoaib, Lecturer

M.A. Literature (SU), MA Linguistics (KU)

Pandhyani Saima Murtaza, Lecturer (On Study Leave)

M.A. (SU) 2000

Memon Nazish, Lecturer

M.A. (SU) 2010, M.Phil English Linguistics (S.U.) 2018

Sumera Kashif, Lecturer

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

Khaskheli Mehtab, Lecturer

M.A. (SU) 2008, M.Phil.English Literature (S.U.) 2018

Rind Ume Kulsoom, Lecturer

M.A. (English)

Chandio Fozia, Lecturer

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

Shaikh Marvi, Lecturer

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

Abbasi Ghulam Muhammad, Lecturer

M.A. (English) NUML

Abro Bakhtawar, Lecturer

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

## **BS (ENGLISH) 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-133**

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 (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 (LINGUISTICS)

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eight Semester</b>	<b>C.H.</b>
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

#### THIRD YEAR (LITERATURE)

<b>Fifth Semester</b>	<b>C.H.</b>	<b>Sixth Semester</b>	<b>C.H.</b>
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

#### FIRST YEAR (English Language & Literature)

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
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

#### FOURTH YEAR (LINGUISTICS)

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eight Semester</b>	<b>C.H.</b>
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

#### SECOND YEAR (English Language & Literature)

<b>Third Semester</b>	<b>C.H.</b>	<b>Fourth Semester</b>	<b>C.H.</b>
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 (Compulsory)	3	Sindhi/ Urdu/Add.English	3
Minor – I	3	Minor – I	3
Minor – II	3	Minor – II	3

#### M.A. ENGLISH (MORNING & EVENING) 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66

Pre-requisite: Bachelor (Pass) degree, Pre-Entry Test.

#### M.A. PREVIOUS (LINGUISTICS)

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



**M.A. (PASS) FINAL (LINGUISTICS)**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
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
ENGL 654 Research Methodology	3	ENGL 659 ELT in Pakistan	3
		ENGL 661 <b>OR</b> Dissertation	3
		ENGL 660 Comprehensive Viva-Voce	3

**M.A. PREVIOUS (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

**M.A. (PASS) FINAL (LITERATURE)**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
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 <b>OR</b> 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 80 candidates are enrolled for M.Phil/Ph.D 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 of the following: -

Sodhar Hafiz Zain-Ul-Abdin, Assistant Professor & Incharge Director  
M.A.(Arabic) 1986, Fazil Dars-e- Nizami 1982, M.A.. (I.C) 1990, B.Ed. 1996, M. Ed 1997, M.A.. I.S. 2003, FTG (Islamabad) 1995 & Ph.D (S.U.) 2005

Pittafi Mufti Muhammad Sahibdad, Assistant Professor  
M.A.. Arabic/ Islamic studies/ Fazil Dars-e- Nizami Eq. Certificate by S.U. 1996, M.Phil (S.U.) 2011

Chandio Nazar Hussain, Lecturer  
M.A.(Arabic) 2007 (S.U.)

04 Teaching Assistant

### BS ARABIC: 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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

Fifth Semester	C.H.	Sixth Semester	C.H.
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

Seventh Semester	C.H.	Eighth Semester	C.H.
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

### MASTER OF ARTS IN ARABIC 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-70

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

#### M.A. (First Year)

First Semester	C.H.	Second Semester	C.H.
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

**M.A. (Second Year)**

<b>Third Semester</b>			<b>Fourth Semester</b>		
		<b>C.H.</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-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-136**

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

**First Year**

<b>First Semester</b>			<b>Second Semester</b>		
		<b>C.H.</b>			<b>C.H.</b>
PER 310	Persian Grammer & Writing - I	4	PER 311	Persian Grammer & 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 itsMathematical Division (Compulsory)	3
Minor "A"	2		Minor "A"	2	
Minor "B"	2		Minor "B"	2	

**Second Year**

<b>Third Semester</b>			<b>Fourth Semester</b>		
		<b>C.H.</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 Quran & Historical Importance Of their Areas/places (Compul.)	3
Minor "A"	2		Minor "A"	2	
Minor "B"	2		Minor "B"	2	

**Third Year**

<b>Fifth Semester</b>			<b>Sixth Semester</b>		
		<b>C.H.</b>			<b>C.H.</b>
PER 500	TextTranslation	4	PER 505	Classical Poetry in sub continent	4
PER 501	Classical Pesian Poetry	4	PER 506	Classical Prose in sub continent	4
PER 502	Classical Pesian 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**

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

**MASTER OF ARTS IN PERSIAN: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-70**

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

**M.A. (First Year)**

<b>First Semester</b>			<b>Second Semester</b>		
		<b>C.H.</b>			<b>C.H.</b>
PER 500	TextTranslation	4	PER 505	Classical Poetry in sub continent	4
PER 501	Classical Pesian Poetry	4	PER 506	Classical Prose in sub continent	4
PER 502	Classical Pesian 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

**M.A. (Second Year)**

<b>Third Semester</b>			<b>Fourth Semester</b>		
		<b>C.H.</b>			<b>C.H.</b>
PER 600	Iqbal Studies - I	4	PER 604	Iqbal Studies - II	4
PER 601	ResearchMethodology	4	PER 605	Literary Criticism	4
PER 602	Stylistic	4	PER 606	Modern Persian Peotry	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 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 of the following:

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

M.A. Philosophy (S.U.)

Leghari, Salma Begum, Assistant Professor

M.A. Philosophy (S.U.) 1993

Abbasi Bisharat Rasool, Lecturer

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

Sandeelo Naveed Hussain, Lecturer

M.A. Philosophy (S.U.)

Daudpota Rashid Ali, Lecturer

M.A. (Philosophy) (S.U.)

### BS (PHILOSOPHY): 04-Year Degree PROGRAMME (8-Semester) 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	3	ENG 301 English	3
302 Islamic Studies or Ethics-I (Compulsory)	2	303 Islamic Studies or Ethics-I (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.
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ENG 400 English	3	ENG 401 English	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 Pragmatism	3	PHIL 506 Feminism-II	3
PHIL 508 Critical Theory-I (Seminar)	3	PHIL 510 Critical Theory-II (Seminar)	3
PHIL 512 Ethics	3	PHIL 514 Post Structuralism	3
PHIL 514 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

### MASTER OF ARTS IN PHILOSOPHY 02-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-72



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

**M.A. (Previous)**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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 532 Philosophy of Art-I	3	PHIL 534 Philosophy of Art-II	4
Optional Sufism-I		Optional Sufism-II	
PHIL 516 Indian Philosophy	4	Optional Shah Abdul Latif Bhattai	
		PHIL 518 Muslim Philosophy	3

**M.A. (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 OR Philosophy of History (Optional)	3
PHIL 616 Logic & Scientific Methods-I	4	PHIL 618 Logic & Scientific Methods-II	4
PHIL 628 Sufism	3	PHIL 630 Shah Abdul Latif Bhattai or Philosophy of Religion (optional)	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 first Head of the Department. This Department has a bright history in education and research; it offers BS 4 Year, M.Phil/MS & Ph.D Programmes in Sindhi Language and Literature to attain mastery in ideology and Ethics of the life. Sindhi Department has awarded 75 Ph.D & 15M.Phil Degrees. The Department has been publishing Research Journal since 1962 with different names such as **SindhiShefo (1962), Sookhri (1964), Saughat (1966), Poorab (1970), Parkh (1977) and Keenjher**, the last one is being regularly published since 1987 up-to-date. These journals carry significant importance in the field of Sindhi Language and Literary research. Shah Abdul Latif Research Cell was established in the Department to carryout 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 of the Department. Lectures of prominent literary scholars are being arranged in every semester in order to promote literary research and disseminate the classical message of life to the society.

### The teaching faculty comprises of the following:

Hakro Muhammad Anwar Figar, Professor & Dean  
M.A. (S.U.), Ph.D (SALU) 1996

Muhammad Ishaq, Professor & Chairman  
M.A. (S.U.) 1998, Ph.D (S.U.) 2014

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

Pitafi Shazia, Associate Professor  
M.A. (K.U) 2004, Ph.D (K.U) 2014

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

Sayed Rushdullah Shah, Assistant Professor  
M.A. (S.U.) 2001, Ph.D (K.U) 2008

Chandio Bashir Ahmed, Assistant Professor  
M.A., Ph.D (SU)

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

### BS (SINDHI): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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 Programmemesming 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	3
SIND 411 Prose (Travelogues Letters Diaries)	2	ENG 401 English3	3
Minor-A	3	SIND 403 Sindhi Compulsory	2
Minor-B	3	Sindhi Minor-A	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

### M.A. (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 605 Research Methodology	2	SIND 610 Monograph	2
		SIND 611 Comprehensive Viva-Voce	2

### MASTER OF ARTS (PASS) IN SINDHI, 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66

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

### M.A. (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 the reputation and outstanding fame as a literary journal was first published in 1987. The department is proud to mention 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 & 9M.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. At present research is being carried out for 8 Doctoral & 16 M.Phil Degree studies.

The Department organises different literary functions from time to time. Recently two seminars were organised successfully. 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 of the following:

Syed, Javed Iqbal, Professor  
M.A. 1987, M.Phil 1995, Ph.D 2002 (S.U.)

Pathan, Rafique Ahmed, Associate Professor & Chairman  
M.A. 1991, Ph.D 2010 (S.U.)

Abida Huma, Assistant Professor  
M.A. 2002 (S.U.)

Shazra, Assistant Professor  
M.A. 2005 (K.U), Ph.D 2014 (K.U)

### BS (URDU) 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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	3
URD 504 Urdu Poetry in Classical Age	4		



URD 505	A Critical study of Classical Urdu Poetry in Pakistani Languages (in the Perspective of Urdu Poetry)	4	Trends of Urdu	
			URD 509 Urdu Poetry in Classical Age	3
			URD 510 Rudimentary Arabic and Persian	4

#### FOUR YEAR

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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

#### MASTER OF ARTS IN URDU 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-70

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

#### M.A. (Previous)

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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

#### M.A. (Final)

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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. Jawad Ahmed Chandio is presently the Dean of Faculty.

1. Institute of Commerce
2. Institute of Business Administration

### PROGRAMMES

#### INSTITUTE OF COMMERCE

BS (Commerce) 04 year  
BS (Banking & Finance) 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 04 year  
M.B.A (Evening) 02 year (Six-Semester)



**Prof. Dr. Jawad Ahmed Chandio**  
Dean  
Ph.D (University of Karachi)

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 choice of the students' in seeking admissions, due to high marketability and employability.





## INSTITUTE OF COMMERCE

Department of Commerce 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 to the Central Library of the University since 1999 and, simultaneously it is upgraded as Institute and titled as Institute of Commerce in the year 2004.

The Institute has introduced 4 years BS (Commerce) w.e.f. 2007 session. The BS (Commerce) 4-year PROGRAMME is of 8- semester, 142 CH, covering 48 courses. The Institute of Commerce has initiated to establish a new entity "Department of Banking and Finance BS (Banking and Finance) 4-year Programme of 8-semester is already commenced from the year 2019 onward.

The candidate after successful completion of the course will be eligible for job in BPS 17 in Public/ Private Organizations as per Federal Government Notification. The 4-year degree is equivalent to 16 years' degree i. e. M. Com which is equivalent in status and job requirement. Two-year M.Com. (Pass) Programmes with specialization in Marketing, Accounting and Finance are to continue also.

The objective of the 4-year degree Programme is to train graduates who compete with graduates from any other institution globally: -

At the end of the Programme the students will be able to: -

- Evaluate different financial proposal by exhibiting strong theoretical knowledge and quantitative techniques.
- Establish an accounting system for a new concern or handle the accounts of any on- going concern.
- Have a broader understanding of corporate, legal and business affairs.
- Understand the modern business scenario.
- Provide strong managerial, interpersonal and negotiation skills.
- Conduct research independently.
- Comprehend business and economic environment.

This Institute has been imparting quality education. Courses have been designed to equip students with professional skills and knowledge to take their place as leaders in the world of Business, Commerce or any other profession they may choose to pursue. The Institute has highly qualified faculty possessing MS/M.Phil and Ph. D's degrees and they have good number of publications in the Research Journals of national and international repute. The curriculum as noted above is relevant to the changing needs of society.

The Institute has well- equipped Computer Laboratory with latest software to provide training to the students. It has an excellent Seminar Library with more than 7500 text and reference books on Management, Marketing, Accounting, Finance, Economics and others. The Institute

also offers 2 years M. S (Commerce) related disciplines M.Phil PROGRAMME in Commerce and 18 CH Ph.D course work.

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

**Soomro Muneeruddin, Professor and Focal Person (S.U. Campus Dadu)**

M.Com. 1984, LL.B. (S.U.) 1989, Ph.D (HIMS) 2006

**Chandio Javed Ahmed, Professor and Dean**

M.Com. (S. U) 1991, M.Phil (S.U.) 2005, Ph.D (University of Karachi)

**Jhatiyal Ashique Ali, Professor and Director**

M.Com. (S. U) 1998, M.Phil (S.U.) 2004, Ph.D (UK) 2011

**Halepoto Jamshed Adil, Professor (On Lien)**

M.Com. (S.U.) 1998, Ph.D (UK) 2012

**Mahesar Hakim Ali, Associate Professor**

M.Com. (S.U.) 2001, Ph.D (U.K) 2015

**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

**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 Saddia, Assistant Professor**

M.Com. (S.U.) 2006, Ph.D (SU)

**Bhaban Ashfaq Ahmed, Lecturer**

M.Com. (S.U.) 2001

**Sahito Asghar Ali, Lecturer**

M.Com 2008

**Kunbher Mehtab, Lecturer**

BS (Commerce) 2011, MS 2015

**Mahesar Abdul Jaleel, Lecturer**

BS (Commerce) 2013



Khoso Masood Abbas, Lecturer  
M.Com 2014

**BS COMMERCE (MORNING & EVENING) 4-YEAR DEGREE (8-SEMESTER)  
PROGRAMME, REGULAR & EVENING CH-142**

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**

First Semester	C.H.	Second Semester	C.H.
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**

Third Semester	C.H.	Fourth Semester	C.H.
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**

Fifth Semester	C.H.	Sixth Semester	C.H.
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	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**

Seventh Semester	C.H.	Eighth Semester	C.H.
COM 601 Organizational Behaviour	3	COM 652 International Business	3
COM 603 Investment and Portfolio Management	3	COM 653 Strategic Management	3
COM 604 Electronic Commerce (E-Commerce)	3	COM 654 Business Internship Report and Viva Voce	3
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) 4-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	3	COM 726 Treasury and Fund Management	3
COM 707 Strategic Management	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	3





	Banking Sector	
COM 770	E-Banking	3
COM 771	NBFCs and Micro-financing	3
COM 772	Central Banking and International	3
	Global Banking	
COM 773	Management of Banking Operations	3

**MASTER OF COMMERCE: (M.COM) 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-72**

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

**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	3
COM 531	Managerial Economics	3		And Insurance	
COM 561	Financial Management	3	COM 564	Managerial Accounting	3
ENG540	Remedial English-I	NC	COM 591	Human Resource Management	3
			ENG 540	Remedial English-II	NC

**M.COM (PASS) FINAL YEAR COURSES: -**

Third Semester		C.H.	Fourth Semester		C.H.
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 &	3
COM 643	Investment Analysis &	3		Viva voce	
	Portfolio Management		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

1. Accounting Courses			2. Finance Courses			C.H.
COM 631	Advanced Accounting Theory	3	COM 641	Islamic Principles of Finance	3	
	& Problem		COM 647	Islamic Modes of Financing	3	
COM 633	Accounting in Public Sector	3	COM 648	Analysis of Financial Statements	3	
COM 634	Advanced Auditing Theory &	3	COM 649	International Financial Management	3	
	Practice		COM 650	Treasury and Fund Management	3	
COM 635	Managerial Accounting for	3	COM 662	Risk Management	3	
	selected Industries		COM 663	Financial Markets & Institutions	3	
COM 636	Analysis of Financial Statements	3	COM 664	Financial Regulatory Institutions	3	
COM 637	Accounting Information Systems	3		Status, Functions and Role		
COM 638	Forensic Accounting	3	COM 665	Financial Derivatives-	3	
COM 639	Strategic Management Accounting	3		Theory and Practice		
COM 640	International Accounting and	3	COM 666	Financial Appraisal	3	
	Accounting for MNCs		COM 667	International Trade Finance &	3	
				Foreign Exchange Operations		
3. Marketing Courses			4. Banking Courses			C.H.
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	3	
				in banking sector		
			COM 689	E-banking	3	
			COM 690	Financing for SMEs'	3	



## DEPARTMENT OF BANKING & FINANCE

Curriculum of BS (Banking & Finance) 4 Years Degree PROGRAMME Approved from Board of Study held on 04-05-2018

### BS (BANKING & FINANCE): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-142

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

#### FIRST YEAR

First Semester			Second Semester		
		C.H.			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

Third Semester			C.H.	Fourth Semester			C.H.
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 603	Entrepreneurship & SMEs	3
BF 504	Banking Laws and Practices	3	BF 604	Islamic Modes of Financing	3
BF 522	Business Research Methods	3	BF 605	Dynamic of Consumer Banking	3
BF 523	Introduction to Sociology	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) 4-Years Programme

Note: The details 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						



## INSTITUTE OF BUSINESS ADMINISTRATION

IBA is a prestigious Institute of University of Sindh, it was established in 1979. IBA is committed to serve 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 (Pass) 4-year PROGRAMME (96 CHs)
3. MBA (Hons) 2-year PROGRAMME (36 CHs)
4. MBA (Evening) 2-year PROGRAMME (69 CHs)

**\* Note:** Previously offered MBA (Pass) 2-year Programme has been closed. However, the newly offered Programme of MBA (Pass) 4-year Programme can be converted into the degree of Bachelor of Business Studies (BBS) after completion of 2-year with (60 CHs).

### The teaching faculty comprises of the following:

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

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

**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

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

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

**Pathan Saima, 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

**Memon Muhammad, Assistant Professor,**  
MBA (S. U) 1993, M.Phil (IQRA) 2013, (Ph.D Scholar)

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

**Memon Shoaib Karim, Assistant Professor (on Study Leave)**  
M.Sc Computer Science (S.U.), (Ph.D Scholar)

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

**Jalbani Hina Arif, Assistant Professor**  
MBA (S. U) 2002, (M. Phil Scholar)

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

**Shah Naveeda Karim Bux, Assistant Professor**  
MBA (S.U.), M.Phil (IQRA) 2012, Ph.D (Malaysia) 2017

**Shaikh Ahsanul Haq, Assistant Professor (on study leave)**  
MBA (S.U.), M.Phil (S.U.) 2013, (Ph.D Scholar)

**Qureshi Fiza, Assistant Professor**  
MBA (S.U.), Ph.D (Malaysia) 2017

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

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

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

**Shahani Akram Khan, Assistant Professor**  
BBA (SZABIST), MS (UK) 2007, (Ph.D Scholar)

**Khawaja Paras, Assistant Professor**  
BBA (S.U.), MBA (SZABIST) 2014, (Ph.D Scholar)



Channar Paras, Lecturer  
MBA (S.U.), MS HRM (MUISTD) 2018, (Ph.D Scholar)

Shaikh Erum, Teaching Assistant  
MBA (S.U.) 2009, (Ph.D Scholar)

Baloch Saira, Teaching Assistant  
MBA (S. U) 2007, M.Phil (S.U.) 2017, (Ph.D Scholar)

Hunain Haider, Teaching Assistant  
MBA (S.U.)

### **BACHELOR OF BUSINESS ADMINISTRATION BBA (HONS) MORNING & EVENING 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-136**

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**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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 Behavior	3

##### **SECOND YEAR**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
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**

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
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 Behavior	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**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
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 Viva Voce	NC
BUS 604 Entrepreneurship	3	BUS 6XX Elective-IV	3
BUS 6XX Elective-III	3	BUS 691 Thesis	6
		OR	
		BUS 692 Research Project	6

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

<i>Finance Specialization</i>	<i>C.H.</i>	<i>Human Resource Management Specialization</i>	<i>C.H.</i>
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 Labor Laws in Pakistan	3
BUS 563 Risk Management	3	BUS 556 Training Intervention in Job Skills	3
<i>Marketing Specialization</i>	<i>C.H.</i>	<i>Management Specialization</i>	<i>C.H.</i>



BUS 542	Personal Selling	3	BUS 535	Organizational Development	3	BUS 656	Sales Management	3	BUS 648	Change Management	3
BUS 543	Export Marketing	3	BUS 536	Crises Management	3	BUS 657	Marketing Research	3	BUS 649	Small & Medium Enterprises Management	3
BUS 544	Services Marketing	3	BUS 537	Comparative Management	3	BUS 658	Consumer Behavior	3	BUS 650	Knowledge Management	3
BUS 545	Internet Marketing	3	BUS 538	Education Management	3	BUS 659	Inventory Management	3	BUS 651	Supply Chain Management	3
BUS 546	Seminar in Marketing	3	BUS 539	Environmental Management	3	BUS 660	Industrial Marketing	3	BUS 652	NGO's Management	3
BUS 547	Integrated Marketing Communication	3	BUS 540	Logistic Management	3	BUS 661	Marketing of IT Products	3	BUS 653	Time Management	3
BUS 548	Retail Management	3				BUS 662	International Marketing	3			
BUS 549	Product Management	3				BUS 663	Brand Management	3			
<b>Management Information System Specialization (MIS) C.H.</b>			<b>Banking Specialization C.H.</b>			<b>Management Information System Specialization (MIS) C.H.</b>			<b>Banking Specialization C.H.</b>		
BUS 530	Operating System	3	BUS 526	Banking Law & Practice	3	BUS 640	Expert System & Artificial Intelligence	3	BUS 632	International Banking	3
BUS 531	System Analysis & Design	3	BUS 527	Consumer Banking	3	BUS 641	Seminar in MIS	3	BUS 633	Credit Analysis & Investment Banking	3
BUS 532	Computer Networking	3	BUS 528	Commercial Banking	3	BUS 642	Soft Quality Management (SQM)	3	BUS 634	Banks and Development Financial Institutes	3
<b>Hotel Management Specialization C.H.</b>			<b>Health Services Management Specialization C.H.</b>			<b>Hotel Management Specialization C.H.</b>			<b>Health Services Management Specialization C.H.</b>		
BUS 521	Hospitality Management	3	BUS 516	Introduction to Health Services in Pakistan	3	BUS 624	Hotel Financing & Budgeting	3	BUS 616	Total Quality Management for Hospital Services	3
BUS 522	Hotel Services Marketing	3	BUS 517	Hospital Management	3	BUS 625	Food and Beverages Management	3	BUS 617	Health Care Facility Planning	3
BUS 523	Management Information System for Hotel Management	3	BUS 518	Health Communication	3	BUS 626	Events Management	3	BUS 618	Management in Health System	3
			BUS 519	Hospital Financial Management	3				BUS 619	International Hospital Management	3
<b>Elective Courses: BBA(H)P-IV</b>											
<b>Finance Specialization C.H.</b>			<b>Human Resource Management Specialization C.H.</b>			<b>First Semester C.H.</b>			<b>Second Semester C.H.</b>		
BUS 673	International Financial Management	3	BUS 665	Training & Development	3	BUS 570	Fundamentals of Management	3	BUS 580	Business Communication	3
BUS 674	Financial Statement Analysis	3	BUS 666	Leadership & Team Management	3	BUS 571	Financial Accounting –I	3	BUS 581	Business and Corporate Law	3
BUS 675	Corporate Finance	3	BUS 667	Compensation Management	3	BUS 572	Principles of Marketing	3	BUS 582	Management Information System	3
BUS 676	Seminar in Finance	3	BUS 668	Micro Organizational Dynamics	3	BUS 573	E-Business	3	BUS 583	Financial Accounting-II	3
BUS 677	Islamic Banking & Finance	3	BUS 669	Human Resource Development	3	BUS 574	Micro & Macro Economics	3	BUS 584	Maths and Stats for Business Management	3
<b>Marketing Specialization C.H.</b>			<b>Management Specialization C.H.</b>			<b>SECOND YEAR</b>					

#### MBA 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-96

Pre-requisite: - 14-Years Education Like B. Sc, B. Com, BA and other Equivalent Qualification from HEC recognized institutes with minimum 50% aggregate marks in requisite bachelor degree. To be implemented from the academic year 2017 and onwards.

#### FIRST YEAR

First Semester C.H.			Second Semester C.H.		
BUS 570	Fundamentals of Management	3	BUS 580	Business Communication	3
BUS 571	Financial Accounting –I	3	BUS 581	Business and Corporate Law	3
BUS 572	Principles of Marketing	3	BUS 582	Management Information System	3
BUS 573	E-Business	3	BUS 583	Financial Accounting-II	3
BUS 574	Micro & Macro Economics	3	BUS 584	Maths and Stats for Business Management	3

#### SECOND YEAR





<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
BUS 680 Financial Management	3	BUS 686 Organizational Behavior	3
BUS 681 Human Resource Management (HRM)	3	BUS 687 Entrepreneurship	3
BUS 682 Inferential Statistics	3	BUS 688 Operations Management	3
BUS 683 Managerial Economics	3	BUS 689 Business Internship (Evaluation & Viva Voce)	3
BUS 684 Principles of Insurance and Auditing	3	BUS 690 Business Research Methods	3

### THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
BUS 711 Strategic Management	3	BUS 721 Strategic Marketing Management	3
BUS 712 Advanced Research Methodology	3	BUS 722 Applied Econometrics	3
BUS 713 Cost & Management Accounting	3	BUS 723 Strategic Finance	3

### FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
BUS 8XX Elective –I	3	BUS 893 Research Project	6
BUS 8XX Elective –II	3	OR	
BUS 8XX Elective –III	3	BUS 894 Thesis	6
BUS 8XX Elective –IV	3		

### MBA (HONS.) 2-YEAR DEGREE PROGRAMME (4-SEMESTER) 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. To be implemented from the academic year 2017 and onwards.

### FIRST YEAR

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
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 DIRECT MBA 4-YEAR DEGREE PROGRAMME (CH-96) AND MBA 2-YEAR DEGREE PROGRAMME (CH-36)

<i>Management</i>	<i>C.H.</i>	<i>Finance</i>	<i>C.H.</i>
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	Labor 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.

### M.B.A. EVENING 2-YEAR DEGREE PROGRAMME (6-SEMESTER) 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. To be implemented from the academic year 2017 and onwards.

#### FIRST YEAR

First Semester			Second Semester		
		C.H.			C.H.
BUS 511	Management	3	BUS 513	Maths& Statistics for	3
BUS 512	Financial Accounting	3		Management	
BUS 514	Managerial Communication	3	BUS 515	Economics	3
BUS 516	Computer Orientation & Packages	3	BUS 561	Organizational Behavior	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: 4/2 years B.Ed. (Hons) Elementary, 2 Years B.Ed. (Hons) Secondary, 1 Year Post Graduate Diploma in Early Childhood Education (DIP ECE), M.Phil in Education and Ph.D in Education. Normally each academic year starts in January and ends in December.

The component departments of the Faculty are:

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

## 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.

## VALUES

To incorporate the values of commitment, transparency, kindness, trust and mutual respect in achieving its mission.

Programmes Offered	CH
B.Ed Elementary (Morning) 4 Year (8 Semester)	136
B.Ed Secondary (Morning & Evening) 2.5 Year (4 Semester with bridging semester)	72
B.Ed Secondary (Morning & Evening) 1.5 Year (3 Semester)	54
M.Ed (Morning & Evening) 1 Year (2 Semester)	36
Post Graduate Diploma in Early Childhood Education (ECE) (Morning & Evening) 1 Year (2 Semester)	36



**Prof. Dr. Saleha Parveen**  
Dean  
Ph.D. (S.U.)





## INTRODUCTION

The departments comprising the Faculty, together provide abroad base of general teacher education at Bachelor level, and offer opportunity at Masters 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)/PGDECE/M.Ed./M.A..Ed./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 of the following:**

## DEPARTMENT OF CURRICULUM DEVELOPMENT AND INSTRUCTIONS

**Khan Saleha Parveen, Professor & Dean**

M.A. Education 1990, Ph.D 2007 (S.U.)

**Gopang Abdul Sattar, Assistant Professor & Incharge**

M.A. (English) 1993, M.Ed. 2000 (S. U), M.Phil 2015 (S.U.)

**Buriro Imam Bux, Assistant Professor**

M.A. (Islamic Culture) 1994 (SALU), M.A. (Eng.) 2000, M.Ed. 2001(S.U.), PGD TEFL (AIU)

**Shah Shakeela, Assistant Professor**

M.A. 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 EDUCATIONAL MANAGEMENT & SUPERVISION

**Almani Abdul Sattar, Professor & Chairman**

M.Ed. 1990, M.A. Econ. 1990 & M.B.A. 1991(S.U.), Ph.D (HU) 2004

**Messo Muhammad Shafi, Professor**

M.A. Eco. 1993, M.Ed. 1996 (S.U.), Ph. D 2013 (S.U.)

**Siddiqui Abida, Associate Professor**

M.Ed 1996; M.A. (Urdu) 1998, Ph.D (S.U.) 2009

**Panhwar Uzma, Assistant Professor**

M.A. (Sindh), M.Ed. (S.U.), M.Phil 2007 (HU)

## DEPARTMENT OF SCIENCE AND TECHNICAL EDUCATION

**Jafri Syed Ifikhar Hussain, Professor & Incharge**

M.Sc. Statistics 1987, M.A. Education 1994, LLB 1988, Ph. D 2008 (S.U.)

**Khowaja Zuhra Khatoon, Assistant Professor**

M.Sc. Physics 1996, M.Ed. 2001, (S. U), M.Phil (Education) 2012 (Iqra University)

**Chang Muhammad Saleem, Assistant Professor**

M.Sc (Zoology) 2003, M.Ed. 2006 (S.U.), Ph.D (Ocean Universtiy, China) 2016

**Shah Gulzar Ali Syed, Lecturer**

M.A. (Economics) 1999 (SALU), M.Ed. (Education) 2010 (AIU), Ph.D (Education specialization in Higher Education) 2015 (Xiamen University, China)

**Noorani Lubna, Lecturer**

M.A. (Economics) 1999, M.Ed. 2001(S.U.)

**Rind Mudassir Ali, Lecturer**

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

## DEPARTMENT OF PSYCHOLOGICAL TESTING, GUIDANCE & RESEARCH

**Mughal Farzana, Assistant Professor & Incharge**

M.A. Pol. Sc. 1990, B.Ed. 1991, M. Ed (S.U.) 1993

**Bhatti Tarique, Assistant Professor**

M.Sc. 1987, M. Ed 2006 (S.U.), Ph.D 2015 (S.U.)

**Amjad Ali Arain, Assistant Professor**

M.A. (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)



## **DEPARTMENT OF DISTANCE, CONTINUING AND COMPUTER EDUCATION**

Abbasi Muhammad Kamran, Associate Professor & Chairman  
B.C.S (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.)

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  
B.E (MUET) 2012

## **DEPARTMENT OF EARLY CHILDHOOD AND ELEMENTARY EDUCATION**

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

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

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

### **Bachelor of Education (B.Ed. Elementary) 4-Year Degree PROGRAMME (8-Semester) 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 301 English-II (Communication Skills) (Compulsory)	3
EED 302 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 (Professional)	3	EED 427 Teaching of Social Studies (Professional)	2
EED 424 G. Science (Professional)	3	EED 428 The Teaching of Practicum (Professional)	3
EED 425 The Developmental Practicum	3	EED 429 Teaching of English (Professional)	3
EED 426 ICT in Education (Professional)	2	EED 430 Teaching of Mathematics (Professional)	3
EED 441 Arts, Crafts & Calligraphy (Contents) (Professional)	3		



### THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
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 & Counseling (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 556 General Science (Physics)	
EED 551 General Science (Chemistry)		EED 566 Mathematics (Algebra Financial Arithmetic)	
EED 561 Mathematics (Number & Operations)		EED 576 Computer (Presentation & Computational Thinking)	
EED 571 Computer (Introduction to Computer Science)			

### 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	3	EED 624 Test Development and	3

(Professional)		Evaluation (Professional)	
<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>	<b>3</b>		
EED 651 General Science (Biology)			
EED 661 Mathematics (Measurement, Geometry & Information Handling)			
EED 671 Computer (Programmemeaming in Database)			
<b>Pedagogy-I</b>			
EED 646 Pedagogy of Reading	3		
<b>Pedagogy-II</b>			
<b>Note: Choose any One</b>	<b>3</b>		
EED 656 General Science (Pedagogy of Physical & Biological Sciences)			
EED 666 Mathematics (Pedagogy of Mathematics)			
EED 676 Computer (Pedagogy of Computer Science)			





**BACHELOR OF EDUCATION (HONS) (B.ED. SECONDARY): 1.5 YEARS (3-SEMESTER) DEGREE PROGRAMME REGULAR (MORNING & EVENING) CH-54**

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

**FIRST Year**

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
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**

<b>Third Semester</b>	<b>C.H.</b>
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 (HONS) (B.ED. SECONDARY): 2.5 YEARS(4-SEMESTER) DEGREE PROGRAMME REGULAR (MORNING & EVENING) CH-72**

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

<b>Bridging Semester</b>	<b>C.H.</b>
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>
SED 507 General Methods of Teaching (Professional)	3
SED 508 Educational Assessment and Evaluation (Professional)	3
Academic Content-Course I (Disipline-I)	3
Academic Content-Course I (Disipline-II)	3
Academic Content-Course II (Disipline-I)	3
Academic Content-Course II (Disipline-II)	3

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



<b>Semester VII (Year 4)</b>		<b>C.H.</b>
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 602	Pedagogy-II (Methods of teachings related to specialization (content embedded) (Professional)	3
	Academic Content-Course V (Displine-I)	3
	Academic Content-Course V (Displine-II)	3

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

#### **M.ED. (EDUCATION) REGULAR (MORNING & EVENING) (2-SEMESTER) CH-36**

**Pre-requisite:** -B. Ed or B.A. Education (Hons) with Minimum 45% marks & Pre-Entry Test.

<b>First Semester (Core Courses)</b>		<b>C.H.</b>
ED 640	Curriculum Development and Implementation (CDI)	3
ED 641	Educational Research (ER)	3
ED 643	Educational Management and Supervision (EMS)	3
ED 648	Computer Application (CA)	3

#### **Part-II Professional Courses/ Fields of Specialization CH-12**

Candidates will select any two Courses from any one field of specialization in both semesters.

#### **First Semester (Optional) Courses/Field of Specialization**

<b>Field of Specialization</b>	<b>Group-A</b>	<b>Group-B</b>
Science Education	ED-611 Construction and Administration of Test in Science Education (CATSE)	ED-608 Science Education & Curriculum Development (SECD)
Educational Management	ED-616 Comparative Study of Educational Administration (CSEA)	ED-617 Elementary/Secondary School Supervision (ESS)
Secondary Education	ED-680 Introduction to Secondary Education	ED-681 Curriculum Development and Comparative studies in Secondary Education
Educational and Psychological Testing	ED-632 Application of Statistics in Educational Measurement (ASEM)	ED-634 Construction, Administration and Analysis of Test Items (CAATI)

<b>Second Semester (Core Courses)</b>		<b>C.H.</b>
ED 645	Pedagogical Skills (PS)	3
ED 646	Educational Psychology and Guidance (EPG)	3
ED 649	Research Thesis (RT)	3
ED 670	Fieldwork (FW)	3

#### **Second Semester (Optional) Courses/Field of Specialization**

<b>Field of Specialization</b>	<b>Group-A</b>	<b>Group-B</b>
Science Education	ED-609 Teaching Skills and Content (TSC)	ED-610 Research Methods and Techniques in Science Education (RMTSE)
Educational Management	ED-618 Modern Approaches in Class Room Management (MACM)	ED-619 Educational Policies and Planning in Pakistan (EPP)
Secondary Education	ED-682 Evaluation and Assessment in Secondary School	ED-683 Organization, Administration and Guidance in Secondary Education
Educational and Psychological Testing	ED-633 Examination system in Pakistan	ED-635 Measurement and Achievement aptitude and interest



**PART – III Internship CH-06**

**ED-534 Internship**

This part consists on 30 lessons and it is bifurcated equally between the two subjects of specialization. Each student-teacher will go on internship in the field and practice teaching by delivering 15 lessons in each subject under the guidance and supervision of high school/college teacher appointed by the concerned head of the department. At the end of this phase each student-teacher will deliver ONE criticism lesson in each subject of his/ her specialization in the simulated class. In addition to this each student-teacher will observe 10 lessons of any other students-teacher and will maintain the observation diaries. A part of these prospective teachers will observe school environment and work with the principal and other teaching staff in the following areas:

Pedagogical Skills	Classroom Management
Assembly Management	School Discipline
Organization of Co-curriculum activities	Construction of time table
School record keeping	Arrangement of teacher parent meetings
Social interaction including teacher parent association	
Examination and Assessment Process	Maintenance of Accounts/ Office procedures.

**POST GRADUATION DIPLOMA IN EARLY CHILDHOOD EDUCATION (ECE)  
REGULAR ONE YEAR (02-SEMESTER) (MORNING & EVENING) CH-36**

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

<b>First Semester</b>		<b>C.H.</b>
P.G.D (ECE) 501	Child Psychology	3
P.G.D (ECE) 502	Perspective of ECE	3
P.G.D (ECE) 503	Curriculum and Instruction	3
P.G.D (ECE) 504	Basic Communication skills	3
P.G.D (ECE) 505	Monitoring and Assessment in ECE	3
P.G.D (ECE) 506	LAB 1 (ECE)	3

<b>Second Semester</b>		<b>C.H.</b>
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 in ECE	3
P.G.D (ECE) 506	LAB 2 (ECE)	3
P.G.D (ECE) 511	Internship	3



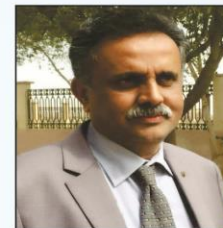
## FACULTY OF ENGINEERING & TECHNOLOGY

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). The IICT has had a long, rich and efficacious history of being a premier institute for promoting education and dissemination of knowledge in the fields of Electronics, Telecommunications, Information Technology and Software Engineering at national and International Levels. 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.

*Faculty of Engineering and Technology* is composed of an Institute and six departments: Prof. A. H. S. Bukhari Institute of Information and Communication Technology, Department of Electronics Engineering, Department of Telecommunication Engineering, Department of Information Technology, Department of Software Engineering, Department of Telemedicine and e-Health and Department of Industrial Electronics Engineering. A. H. S Bukhari Institute of Information and Communication Technology is an independent post-graduate institute offering MS/MPhil programs in disciplines of Electronics, Telecommunications, Information Technology and Software Engineering, and PhD degree program in Information Technology. Currently, over 300 students are enrolled in all MS/ MPhil and PhD programs. Department of Electronics Engineering and Department of Telecommunication Engineering offers a 4-year 8-semester undergraduate program, namely BS Electronics Engineering and BS Telecommunication Engineering and both these programs are accredited with Pakistan Engineering Council (PEC). Further, Department of Information Technology and Department of Software Engineering offers 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. A total number of students enrolled in these four undergraduate programs is around 2425.

*Faculty of Engineering and Technology* has an excellent infrastructure in terms of highly qualified faculty members (there are around 20 PhD faculty members and most of them have earned their degrees from educationally advanced countries), 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. The *Faculty of Engineering and Technology* infrastructure also includes state-of-the-art *Data Center*, which was established at IICT that offers a number of facilities including provision of Internet across the campus via Pakistan Education and Research Network (PERN2), intranet and private clouds. Moreover, the infrastructure also provides access to digital libraries including IEEE, ACM, Elsevier, and Springer Link subscription, and it has also its own Research Journal named *University of Sindh Journal of Information and Communication Technology (USJICT)*. 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 of the *Faculty of Engineering and Technology (FET)* is to provide dynamic learning with quality education through rigorous teaching and research methodologies in Engineering and Technology disciplines. Academic programs with quality curricula focus to forge professionals, experts and scholars in the field of Information Technology, Telecommunication Engineering, Electronics Engineering, Software Engineering, Telemedicine & E-Health and Industrial Electronics Engineering. It aims to foster such values amongst its academia, undergraduates and graduate scholars, ensuring a place of pride in the world of learning.



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

### PROGRAMMES

#### Bachelor Degree Programmes

BS (Electronic Engineering)

BS (Telecommunication Engineering)

BS (Information Technology)

BS (Software Engineering)

#### Master Degree Programmes (Evening)

MIT

Telemedicine and e-Health





## DEPARTMENT OF ELECTRONIC ENGINEERING

The extensive applications of electronic devices and systems play a vital role in the development of the socio-economic growth of the country. It is the field where the world's best talent meets the most, creative ideas are most active, and competitiveness for inventions is fiercest. This led the University of Sindh to start B.Sc. and M.Sc. Electronics Programmes 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, the IPT was bifurcated to the Institute of information technology (IIT) in 1998. The department of Electronics started to offer 4 years BS degree in electrics 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 also offers M.E in Electronic engineering under the shelter of DR. A. H. S. Bukhari Institute of Information and Communication Technology.

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.

### **Vision of the department**

To be internationally renowned for providing quality education with the best learning and research environment for creativity, innovation and excellence

### **Mission of the Programmes**

To produce competent professionals with substantial and advance knowledge of electronic engineering which can investigative and solve complex engineering

Problems with modern tools and research to serve at a global scale. Furthermore, the graduate should be able to compete in a diversified and resilient environment through a continuous learning process and have a strong sense of social and ethical responsibilities.

### **Programmes educational objectives (PEOs)**

The Programmes educational objectives for BS Electronic Engineering Programmes are stated below:

#### **PEO1**

Graduates will have the ability to analytically investigate the complex engineering problems and propose innovative as well as sustainable solutions for the betterment of societal environment with academic knowledge, modern tools and research to cater the global needs.

#### **PEO2**

Graduates will demonstrate managerial, communicational and leadership skills and can work individually or in a team with moral, social and 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 of 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

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 (on Sabbatical Leave)  
BS Electronics (S.U.) 2005, MS (Strasbourg, France) 2011, Ph. D (Strasbourg, France) 2015

Hakro Ayaz Ali, Assistant Professor (on Sabbatical Leave)  
BS Electronics (S.U.) 2009, MS Electronics (Zhejiang, China) 2014, Ph. D (Zhejiang, China) 2018

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

Humrani Nayab (Engr.), Lecturer (on Study Leave)  
BE Electronic (MUET) 2008

Memon Aamir Hussain (Engr.), Lecturer  
BE Electronic (MUET) 2008, ME Telecommunication and Control Engineering (MUET) 2011, Ph. D (Universiti Teknologi PETRONAS, Malaysia) 2019

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

Memon Zain Anwar (Engr.), Lecturer (on Study Leave)  
BE Electronic (MUET) 2010, ME Electronics (MUET) 2017

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

Memon 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

### **BS (ELECTRONIC ENGINEERING): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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 and Interview

### **FIRST YEAR**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
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**

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
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 Behavior	3	EE 326-327 Control Systems	3+1

### **FOURTH YEAR**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
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)			





## **DEPARTMENT OF TELECOMMUNICATION ENGINEERING**

### **About the Department**

Initially in 1980 University of Sindh started to offer one year M.Sc. in Telecommunication Programmes in under the umbrella of the Institute of physics and technology (IPT). The BS Telecommunication Programmes was introduced in 1998 at the Institute of Information and Communication Technology. With the rising demand for Engineering technologies and the Telecommunication sector, the University of Sindh revamped the Department of BS Telecommunication Engineering at Faculty of Engineering and Technology in 2019. The Department offers the courses in line with the Pakistan Engineering Council (PEC) guidelines and has been approved by the concerned authority, accordingly. The main objective of this department is to produce high-quality telecommunication professionals in numerous specialized areas such as Mobile and Wireless Communications, Multimedia and Broadband Communication, Fiber Optics, Satellite communication, and Complex Electronic Switching Systems. Considering the interdisciplinary aspect adopted throughout the educational varsities, this department also offers courses in Programmes in emerging 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 emerging growth of 5G networks, 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.

### **Vision of the Department**

To deliver quality education and provide research opportunities to the Telecommunication engineering students while training them to be an adept professional for competing on a global scale.

### **Mission of the Programmes**

To produce intellectual graduates with eclectic vision in the field of Telecommunication to keep pace with the current trends and envisage future prospects in terms of both the professional and research practices.

### **Programmes Educational Objectives**

1. To produce Telecommunication engineers and equip them with knowledge pertaining to solve field related problems through knowledge- and research- based methods and to cater global needs.
2. To train Telecommunication students for successful careers as qualified network analysts, project managers, system designers, and academic professionals.
3. To engage them in a lifelong quest for knowledge and instill discipline to embrace moral, social, and ethical principles in team working environment

### **The Teaching faculty comprise of the following:**

**Khowaja, Sunder Ali (Engr.), Assistant Professor and Incharge Chairman**  
B.E. Telecommunications (MUET) 2008, M.E. 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 (on Lien)**  
M.Sc. Telecommunication (SU) 1997, Ph.D (SU) 2017.

**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 (on Study Leave)**  
B.S. Telecommunication (SU) 2008, M.Phil Telecommunication (SU) 2016.

**Langah, Rahat Ali Khan, Assistant Professor**  
B.S. Electronics (SU) 2005, M.Phil Telecommunication (SU) 2016.

**Dero, Sumera, Lecturer**  
M.Sc. Mathematics (SU), M.Phil (SU)

**Khokhar, Abdul Wahab, Lecturer**  
B.E. Telecommunication (MUET) 2010

**Baig, Altamash, Lecturer**  
B.E. Telecommunication (MUET) 2008, M.E. Telecommunication (NED) 2010.



Hemant Kumar (Engr.), Lecturer (On Contract)  
B.E. Telecommunication (MUET) 2016, ME (MUET) 2019

**BS (TELECOMMUNICATION ENGINEERING): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) (MORNING) CH-136**

Pre-requisite: H.S.C Pre- Engineering orequivalent with Physics, Chemistry, and Mathematics with at least 60% aggregate marks, Pre- Entry Test and Interview.

**FIRST YEAR**

<i><b>First Semester</b></i>	<i><b>C.H.</b></i>	<i><b>Second Semester</b></i>	<i><b>C.H.</b></i>
BH 100	Functional English (English-I) 3	BH 101	Communication Skills (English-II) 3
TE 110-111	Circuit Analysis (Engineering Foundation) 3+1	IS 103	Islamic Studies (Humanities) Cultural 2
CS 112-113	Introduction to Computing (Computing/Fundamentals) 2+1	TE 120-121	Electronic Devices and Circuits (Engineering Foundation) 3+1
BH 114-115	Applied Physics (Natural Sciences) Physics 3+1	BH 122	Differential Equations (Natural Sciences) Math 3
BH 116	Calculus and Analytical Geometry (Natural Sciences) Math 3	CS 124-125	Object Oriented PROGRAMMING (Computing/Programmes) 3+1
TE 119	Electric Workshop (Engineering Foundation) 1	CS 127	Computer Aided Engineering Design (Computing/Application) 1

**SECOND YEAR**

<i><b>Third Semester</b></i>	<i><b>C.H.</b></i>	<i><b>Fourth Semester</b></i>	<i><b>C.H.</b></i>
PS 202	Pakistan Studies (Humanities) Cultural 2	TE 220-221	Digital Logic Design (Engineering Foundation) 3+1
TE 210-211	Data Structure & Algorithms (ID Elective-I) 2+1	TE 222-223	Amplifiers & Oscillators (MBC Breadth) 3+1
TE 212-213	Electrical Network Analysis (Engineering Foundation) 3+1	TE 424	Signals and Systems (Engineering Foundation) 3
BH 214	Multivariable Calculus (Natural Sciences) Math 3	BH 226	Technical Report Writing And Presentation (English-III) 3
MS 216	Engineering Economics (Management Sciences) 3	TE 228	Probability Methods in Engineering (Engineering Foundation) 3
BH 218	Linear Algebra (Natural Sciences) Math 3		

**THIRD YEAR**

<i><b>Fifth Semester</b></i>	<i><b>C.H.</b></i>	<i><b>Sixth Semester</b></i>	<i><b>C.H.</b></i>
TE 310	Electromagnetic Theory (Engineering Foundation) 3	TE 320-321	Digital Communications (MBC Breadth) 3+1
TE 312-313	Control Systems (MBC Breadth) 2+1	TE 322-323	Antennas and Wave Propagation (MBC Breadth) 3+1
TE 314-315	Communication Systems (Engineering Foundation) 3+1	TE 324-325	Database Management Systems (ID Elective II) 2+1
TE 316-317	Microprocessor and Microcontrollers (MBC Breadth) 3+1	TE 326-327	Digital Signal Processing (MBC Breadth) 3+1
TE 318-319	Computer Communication Networks (MBC Depth) 3+1	TE 328	Wireless Technologies and RF Planning (MBC Depth) 2

**FOURTH YEAR**

<i><b>Seventh Semester</b></i>	<i><b>C.H.</b></i>	<i><b>Eighth Semester</b></i>	<i><b>C.H.</b></i>
BH 410	Professional Practices (Humanities) Social Sciences 2	TE 420-421	Transmission & Switching Systems (MBC Depth) 3+1
TE 412-413	Microwave Engineering (MBC Depth) 3+1	TE 422	Telecom Standards and Regulations (MBC Depth Elective-I) 2
TE 414-415	Optical Fiber Communication (MBC Depth) 3+1	TE 424	Satellite Communications (MBC Depth Elective-II) 3
BH 416	Organizational Behavior (Social Sciences Elective) 3	TE 426	Image Processing and Computer Vision (ID Elective) 3
TE 418	Final Year Design Project (To Be Continued) 3	TE 418	Final Year Design Project 6



## 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 Programmes 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 Programmes BS Information Technology.

Department of Information Technology has a highly qualified faculty most of whom have earned their Ph.D 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 Programmes 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 Programmes has recently been accredited with the National Computing Education Accreditation Council (NCEAC) and the Programmes 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 Programmes.

### **The present faculty comprises of 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 (Institute of Information and Communication Technology (IICT))**

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

**Bhutto Arifa, Assistant Professor**

MSc Computer Technology (S.U.) 1997, Ph.D (Aalborg University, Denmark) 2018

**Ujan Muzaffar Hussain Alias Imran Anwar (Engr.), Assistant Professor**

BE Computer Systems (MUET) 1994, MS (IIUM, Malaysia) 2017

**Laghari Sheeraz, Assistant Professor**

BS (Hons) 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

**Dahri Kamran, Assistant Professor**

BS (Hons) Software Engineering (S.U.) 2005, MS (PAFKIET) 2013

**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 (on Study Leave)**

BS Software Engineering (S.U.) 2005, MS (MAJU) 2008



Pirzado Muhammad Hussain (Engr.), Assistant Professor  
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

Memon Bisharat Rasool, Assistant Professor  
BS (Hons) Software Engineering (S.U.) 2005, MS (SDU, Denmark) 2013, Ph.D (SDU, Denmark) 2016

Bhutto Zulfiqar Ali, Lecturer  
BCIT (Hons) (S.U.) 2002, MS (IT) (Sindh Agriculture University, Tandojam) 2017

**BS (INFORMATION TECHNOLOGY): 4-YEAR DEGREE PROGRAMME  
(8-SEMESTER) (MORNING AND EVENING) CH-136**

Pre-requisite: H.S.C Pre- Engineering or General Science group with Mathematics, Physics and Computer background, with at least 50% aggregate marks, Pre-Entry Test.

**FIRST YEAR**

<b>First Semester</b>			<b>Second Semester</b>		
		<b>C.H.</b>			<b>C.H.</b>
IS 302	Islamic Studies/Ethics (Gen.Edu.)	2	ENG 301	Communication Skills (English-II) (Gen.Edu.)	3
ENG 300	Functional English (English-I) (Gen.Edu.)	3	----- 303	Uni. Elective-I	3
ITEC 310-311	Basic Electronics (Comp. Supporting)	2+1	ITEC 318-319	Digital Logic Design (Comp. Core)	2+1
ITEC 312-313	Programmemeing Fundamentals (Comp. Core)	3+1	ITEC 320-321	Object Oriented Programmemeing (Comp. Core)	3+1
ITEC 314-315	Introduction to Information Technology (Gen.Edu.)	2+1	ITEC 322	Discrete Structures (Comp. Core)	3
ITEC 316	Calculus and Analytical Geometry (Comp. Supporting)	3	ITEC 324	Probability & Statistics (Comm. Supporting)	3

**SECOND YEAR**

<b>Third Semester</b>			<b>Fourth Semester</b>		
		<b>C.H.</b>			<b>C.H.</b>
PS 303	Pakistan Studies (Gen.Edu.)	2	----- 402	Uni. Elective-II	3
			ITEC 422	Professional Practices	2

ENG 400	Technical Report Writing (English-III) (Gen.Edu.)	3	(Gen.Edu.)		
ITEC 414-415	Data Structures and Algorithms (Comp. Core)	3+1	ITEC 424-425	Python PROGRAMMEing2+1 (IT Elective-II)	
ITEC 416	Software Engineering (Comp. Core)	3	ITEC 426-427	Object Oriented Analysis and Design (IT Supporting)	2+1
ITEC 418	Linear Algebra (Comp. Supporting)	3	ITEC 428-429	Computer Communication And Networks (Comp. Core)	2+1
ITEC 420-421	Microprocessor and Assembly Language (IT Elective-I)	2+1	ITEC 430-431	Database Systems (Comp. Core)	3+1

**THIRD YEAR**

<b>Fifth Semester</b>			<b>C.H.</b>	<b>Sixth Semester</b>			<b>C.H.</b>
ITEC 510	Internet Architecture and Protocols (IT- Supporting)	3		ITEC 522-523	Systems and Network Administration (IT Core)	2+1	
ITEC 512	Information Systems (IT- Supporting)	3		ITEC 524-525	Mobile Application Development (IT Elective IV)	2+1	
ITEC 514-515	DB Administration and Management (IT- Supporting)	2+1		ITEC 526-527	Multimedia Systems and Design (IT Core)	2+1	
ITEC 516-517	Computer Graphics (IT Elective III)	2+1		ITEC 528-529	IT Project Management (IT Supporting)	2+1	
ITEC 518-519	Web Systems & Technologies (IT Core)	2+1		ITEC 530	System Integration And Architecture (IT Core)	3	
ITEC 520-521	Operating Systems (Comp. Core)	2+1		ITEC 532	Data Science (IT Elective IV)	3	

**FOURTH YEAR**

<b>Seventh Semester</b>			<b>C.H.</b>	<b>Eighth Semester</b>			<b>C.H.</b>
ITEC 610-611	Cloud Computing (IT Core)	2+1		ITEC 620-621	Network Science (IT Elective V)	2+1	
ITEC 612-613	Human Computer Interaction (Comp. Core)	2+1		----- 624	Uni. Elective-III	3	
ITEC 614	Technology Management (IT Core)	3		ITEC 626	Capstone Project Part-II (Comp. Core)	6	
ITEC 616	Data & Network Security (IT Core)	3					
ITEC 622	Computer Vision (IT Elective VI)	3					



**MASTER OF INFORMATION TECHNOLOGY (MIT) (EVENING)  
02-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-60**

**Pre-requisite:** BSIT (Pass) candidates from affiliated colleges with minimum 50% aggregate marks or 2.0 CGPA and Pre-entry test.

**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 2
MIT 612	Design and Analysis of Algorithms 3		Management
MIT 614-615	Client Server 2+1	MIT 622	Mobile Cellular 2+1
	Technology		Communication & WAP
MIT 616-617	Software Engg. Project 2+1	MIT 624	Organizational Behavior 2
	Management	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 3
MIT 714	Design of Real Time Softwares 3		Mining
		MIT 724	PROGRAMMEing 3
MIT 716	Advanced Data Base Systems 3		Languages
MIT 718-719	Internetworking Protocols 2+1	MIT 726	Project 6

**POSTGRADUATE DIPLOMA IN INFORMATION TECHNOLOGY (EVENING)  
01-YEAR DIPLOMA PROGRAMME (2-SEMESTER) CH-40**

**Pre-requisite:** B. Com, B.B.A, B. Sc (Pass) Physics. Mathematics, Statistics, Chemistry, Functional Mathematics, B.E 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 PROGRAMMEing 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 PROGRAMMEing 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.



## DEPARTMENT OF SOFTWARE ENGINEERING

### About the Department

In 2002 Institute of Information and Technology (IIT), was among the first few institutes of the Pakistan of its kind offering a 4-year 8-semester undergraduate Programmes 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 Programmes in BS Software Engineering.

BS Software Engineering Programmes is offered in Morning as well as in Evening shift and has been accredited with the National Computing Education Accreditation Council (NCEAC), an authority setup by Higher Education Commission (HEC) Pakistan to ensure quality in degree Programmes 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 degree from 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, and communication laboratories along with the seminar library having access to digital library to cater the needs of theoretical and practical components of the courses.

The curriculum of BS Software Engineering Programmes 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 Programmes that equip them with latest skills for industry and research activities, train 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 of the following:

Pathan Kamran Taj, Professor and Chairman

MSc Computer Technology (S.U.) 1999, Ph.D (University of Leicester, UK) 2013

Arijo Niaz Hussain, Associate Professor

BCIT (Hons) (S.U.) 2002, Ph.D (University of Leicester, UK) 2012

Hakro Dil Nawaz, Associate Professor

BCIT (Hons) (S.U.) 2002, M.Phil (IT) (S.U.) 2012, Ph.D (USM, Malaysia) 2015

Qabulio Mumtaz, Assistant Professor

BS (Hons) Information Technology (S.U.) 2010, Ph.D (Computer Science) (S.U.) 2019

Soomro Arjumand Bano, Lecturer

BCIT (Hons) (S.U.) 2002, Ph.D (IIUM, Malaysia) 2018

Maheshwari Ameet Kumar (Engr.), Lecturer (on Study Leave)

BE Software Engineering (MUET) 2007, MICT (LaTrobe, Australia) 2015

### BS (SOFTWARE ENGINEERING): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) (MORNING & EVENING) CH-136

Pre-requisite: H.S.C Pre- Engineering or General Science group with Mathematics, Physics and Computer background, with at least 50% aggregate marks, Pre- Entry Test.

#### FIRST YEAR

First Semester			C.H.	Second Semester			C.H.
IS 302	Islamic Studies/Ethics	2		ENG 301	Communication Skills	3	
	(Gen.Edu.)				(English-II) (Gen.Edu.)		
ENG 300	Functional English (Gen.Edu.)	3		----- 303	Uni. Elective-I	3	
SENG 310-311	Basic Electronics	2+1		SENG 318-319	Digital Logic Design	2+1	
	(Comp. Supporting)				(Comp. Core)		
SENG 312-313	Programmimg	3+1		SENG 320-321	Object Oriented	3+1	
	Fundamentals(Comp. Core)				Programmimg (Comp. Core)		
SENG 314-315	Information and	2+1		SENG 322	Discrete Structures	3	
	Communication Technologies				(Comp. Core)		
	(Gen.Edu.)			SENG 324	Probability & Statistics	3	
SENG 316	Calculus and Analytical	3			(Comm. Supporting)		
	Geometry						
	(Comp. Supporting)						





## SECOND YEAR

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
PS 303 Pakistan Studies (Gen.Edu.)	2	---- 402 Uni. Elective-II	3
ENG 400 Technical Report Writing (English-III) (Gen.Edu.)	3	SENG 422 Professional Practices (Gen.Edu.)	2
SENG 414-415 Data Struc. & Algorithms (Comp. Core)	3+1	SENG 424-425 Python Programmemeing (SE Elective-II)	2+1
---- 416 Uni. Elective-III	3	SENG 426 Software Engineering (Computing Core)	3
SENG 418 Linear Algebra (Comp. Supporting)	3	SENG 428-429 Computer Communication And Networks(Comp. Core)	2+1
SENG 420-421 Microprocessor and Assembly Language (SE Elective-I)	2+1	SENG 430-431 Database Systems (Comp. Core)	3+1

## THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
SENG 510-511 Object Oriented Software Engineering (SE Core)	2+1	SENG 524-525 Mobile Application Development(SE Elective IV)	2+1
SENG 512 Software Requirement and Specifications(SE Core)	3	SENG 526-527 Multimedia Systems and Design (SE Elective)	2+1
SENG 514-515 DB Administration and Management(SE Elective)	2+1	SENG 528-529 Software Project Management(SE Core)	2+1
SENG 516-517 Computer Graphics (SE Elective III)	2+1	SENG 530 Software Design and Architecture(SE Core)	3
SENG 518-519 Web Engineering (SE Elective)	2+1	SENG 532 Data Science (Supporting Elective-I)	3
SENG 520-521 Operating Systems (Comp. Core)	2+1	SENG 534 Secure Software Development(SE Core)	2+1

## FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
SENG 610-611 Cloud Computing (Supporting Elective-II)	2+1	SENG 618-619 Software Verification and Validation(SE Core)	2+1
SENG 612-613 Human Computer Interaction(Comp. Core)	2+1	SENG 620-621 Pervasive Computing (Supporting Elective-IV)	2+1
SENG 614-615 Service Oriented Architecture(Supporting Elective-II)	2+1	SENG 622 Software Engineering Economics(Supporting Elective-V)	3
SENG 616 Formal Methods (SW Eng Core)	3	SENG 624 Capstone Project Part-II (Comp. Core)	6



## DEPARTMENT OF TELEMEDICINE AND e-HEALTH

In the year 2005, the Institute of Information Technology, University of Sindh started a 2-year master of science in telemedicine and e-health degree Programmes. Master's degree in Telemedicine and e-health provides a thorough introduction to medical technology, how health care is organized and how best to introduce telemedicine to provide better services to patients. TELEMEDICINE AND e-HEALTH combines 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 of 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-YEAR 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.

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
TMED 510-511	Healthcare Informatics	2+1		TEMED 522-523	Communication and	2+1	
TMED-512	Knowledge, Information and Data	2			Networks		
TEMED 514-515	Telemedicine Devices	2+1		TEMED 524-525	Knowledge Discovery and Data mining	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	
<i>Third &amp; Fourth Semester</i>							<i>C.H.</i>

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.



## 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)



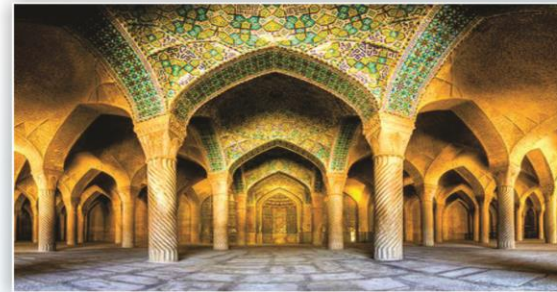
**Prof. Dr. Hafiz Munir Ahmed Khan**  
Dean  
Ph.D. (SU)

### DISCIPLINES

Comparative Religion

Islamic Studies

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-Year in Comparative Religion and Islamic Culture as well as M.A. Previous & Final. It also offers Postgraduate degree Programmes in the disciplines of (i) Comparative Religion and (ii) Islamic Culture. It has produced more than 250 Ph.Ds and more than 30 M.Phil. degrees in the subject of Islamic Culture since its inception. This is the highest number of Ph.Ds. produced in any discipline in the University of Sindh.

### The teaching faculty comprises of the following: -

**Khan, Hafiz Munir Ahmed, Professor & Dean**  
M.A. (Is. Cul) 1992, M.A. (Arabic) 1995, Ph.D 1997 (S.U.)

**Rind, Bashir Ahmed, Associate Professor & Chairman**  
M.A. (S.U.) 1997, Ph.D (S.U.) 2007

**Arain, Naheed, Associate Professor**  
M.A. (Is. Cul) 2002, M.A. (Religion) 2007, Ph.D (S.U.) 2011

**Kandhro, Mukhtiar Ahmed, Associate Professor**  
M.A. Arab. Lit (SALU) 2000, M.A. Is. studies (IIUI) 2004, Ph. D, Is. Studies (UK) 2012

**Nizamani, Nizamuddin, Assistant Professor**  
M.A. (S.U.) 1996

**Bhutto, Hafiz Sibghatullah, Assistant Professor**  
M.A. (Is. Cul) (S.U.) 2003

**Bhutto, Jabeen, Assistant Professor**  
M.A. (Is. Cul) (S.U.) 1994, Ph.D (S.U.) 2015

**Kaloi, Abdul Rehman, Assistant Professor (on Adhoc)**  
M.A. (S.U.) 2001, Ph.D (Mahidol University, Thailand) 2017

**Teewano, Ghulam Hyder, Teaching Assistant**

**Babar, Zainab, Teaching Assistant**

### **BS (ISLAMIC STUDIES): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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 503	Uloom-Al- Hadith (F-7)	3	IS 508	Fiqh – Al – Sunnah (M-4)	3
IS 504	Uloom-Al-Fiqh (F-8)	3	IS 509	Comparative Study of World Religions (M-5)	3
			IS 510	Al-Dawah-wal-Irshad (M-6)	3



#### FOURTH YEAR

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
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		

#### MASTER OF ARTS (PASS) IN ISLAMIC STUDIES: 02-YEAR DEGREE PROGRAMME (04-SEMESTER) CH-72

Pre-requisite: Bachelor (Hons.) degree with major in Islamic Culture.

#### 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 503 Uloom-Al- Hadith (F-7)	3	IS 509 Fiqh – Al – Sunnah (M-4)	3
IS 504 Uloom-Al-Fiqh (F-8)	3	IS 510 Comparative Study of World Religions (M-5)	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

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
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 ModernMuslim 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-SEMESTER) CH-136

Pre-requisite H.S.C., Pre-Entry Test.

#### FIRST YEAR

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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		

#### MASTER OF ARTS (PASS) IN COMPARATIVE RELIGION: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-72

Pre-requisite: Bachelor degree preferably with Religion as one of the elective subjects; Pre-Entry Test.

#### 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 it was bifurcated into Muslim History and General History. The Department of Muslim History offers 4-year Degree Programme and M.A. (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 upto the History of Freedom Movement of Pakistan.

### The teaching faculty comprises of the following:

Laghari Muhammad Ali, Assistant Professor and (Incharge Chairman)

Ph.D (S.U.)

Kabooro, Nasrullah, Assistant Professor

Ph.D (S.U.)

Solangi Farzana, Lecturer

M.Phil (S.U.)

Mughal Muhammad Mudasir Nawaz, Lecturer

M.A. (S.U.)

Syed Wali Muhammad Shah, Lecturer

M.A. (S.U.)

Laghari, Asif Iqbal, Teaching Assistant

M.A. (S.U.)

Jamali, Kiran, Teaching Assistant

M.A. (S.U.)

### BS MUSLIM HISTORY: 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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

### MASTER OF ARTS (PASS) IN MUSLIM HISTORY: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66

Pre-requisite: Bachelor degree, preferably with Muslim History as one of the elective subjects, Pre-Entry Test.

### M.A. (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 Rashidin)	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

### M.A. 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 Countries-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 Countries-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 Mr. Jhamat Jethanand is Dean Faculty of Law.

With increasing demand for legal education, new Law Colleges have been established in the Public and private sector. Presently 15 law colleges (4 in Public & 11 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 Semester) 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.

Details of seats available on Urban/Rural quota basis and other categories of LL.B (Hons) and LL.M programs are shown on page No. 36..



**Jhamat Jethanand**  
Dean

### PROGRAMMES

#### *Bachelor Degree Programme*

**LLB 5 year (10 Semester)**

#### *Master Degree Programme (Evening)*

**LLM 2 year (4 Semester)**





## 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 following two member's committee is appointed to look after the management of the Institute of Law.

### Members Committee

1. Jhamat Jethanand
2. Prof. Aftab Ahmed Shaikh

### 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)

LL.M (K.U), LL. B (S.U.), Fellowships USA, Singapore

Barkat Arun (Assistant Professor)

LL.M (London), LL. B (K.U)

Syed Sardar Ali Shah (Assistant Professor)

LL.M (S.U.), LL. B (S.U.), Ph.D (Malaysia)

Anjum Rehana (Assistant Professor)

LL.M (S.U.), LL. B (S.U.)

JatoiShabana 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)

Prof. Sahito Gul Mohammad

M.A. Linguistics (England), M.A. Islamic Culture (S.U.), LL. B (S.U.)

Siddiqui Hakim Ali

LL. B (S.U.)

Soomro Arshad Hussain

LL. B (S.U.)

Bachani Masood-ul-Nabi

LL.M (London), 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.), M.A. English (S.U.)

Sipio Aslam

LL.M (K.U), LL. B (S.U.)

Soomro Parveen

LL. B (S.U.)

Baloch Ghulam Sarwar

LL.M (S.U.), LL. B (S.U.)

Palh Ali

LL.M (USA), LL. B (S.U.)

Khan Abdul Rasheed

Bachelor of Technology Pass, Hons (MUET Jamshoro), LL. B (S.U.)

Siddiqui Abdul Waheed

LL. B (S.U.)

Ashfaq Ahmad

LL. B (S.U.)

Syed Ahmed Rasheed

LL.M (S.U.), LL. B (S.U.)

Sahito Masood

LL. B (S.U.)



Nasira

LL.M (S.U.), LL. B (S.U.)

Khoso Fouzia

LL. B (S.U.)

Memon Mazhar Hussain

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.)

Mohammad Idrees

LL. M (S.U.), LL. B (IIUI)

Mohammad Zakria

LL. B (S.U.)

Naveed Sharif

LL. B (S.U.)

Mohammad Ahsan

LL. B (S.U.)

Naresh Kumar

LL. B (S.U.)

Nouman Jatoi

LL. B (S.U.)

Bughio Salma

LL. B (S.U.)

Bhatti Shehnaz

LL. B (S.U.)

### LL. B (Hons) 5-Year Degree PROGRAMME (10-Semester) 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	3
LAW 303 Introduction to Jurisprudence-I	3	for Non-Muslims	
SOC 304 Introduction to Sociology	3	LAW 309 Introduction to Jurisprudence-II	3
LAW 305 Legal System of Pakistan	3	SD310 Skills Development	3
LAW 306 Law of Contract-I	3	LAW 311 Constitutional Development in Pak	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	3	LAW 408 Constitutional Law-II (Pakistan)	3
(UK and USA)		LAW 409 Islamic Personal Law	3
MATH 403 Basic Mathematics	3	LAW 410 Human Rights Law	3
ECO 404 Fundamentals of Economics	3	LAW 411 Law of Torts	3
PSc 405 Principles of Political Science	3	LAW 412 Legal English	3
LAW 406 Islamic Jurisprudence	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	3
LAW 602 Law of Civil Procedure-I	3	Legislative drafting	
LAW 603 Conflict of Laws	3	LAW 608 Law of Civil Procedure-II	3
LAW 604 Environmental Law	3	LAW 609 Pleading and Conveyancing	3
LAW 605 Arbitration, Limitation & Rent	3	LAW 610 Law of Equity, Trust and	3
Laws		Specific Relief	
LAW 606 International Humanitarian Law	3	LAW 611 Taxation Law	3
		LAW 612 Municipal Law	3

### FIFTH YEAR

<i>Ninth Semester</i>	<i>C.H.</i>	<i>Tenth Semester</i>	<i>C.H.</i>
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

### LL.M 2-YEARS (4-SEMESTERS) EVENING DEGREE PROGRAMME

**Pre-Requisite:** LL. B Degree (Second Class) and Pre Entry Test

### LL.M PREVIOUS

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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	4	LAW-808 Comparative Study of World	4
Constitution – I		Constitution – II	
LAW-809 Comparative study of Islamic	4	LAW-810 Comparative study of Islamic	4
and Western Jurisprudence – I		and Western Jurisprudence-II	

**Students of LL.M (Previous) are required to secure 2.00 CGPA for promotion to LL.M (Final).**





### **LL.M 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.

<i>Third Semester and Fourth Semester</i>	<i>C.H.</i>
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.

**Minimum 2.00 CGPA is required 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-year 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



**Prof. Dr. Abdul Rasool Abbasi**  
**Dean**  
Ph.D (UK)

## DISCIPLINES

Anthropology and Archeology

Bio-Chemistry

Bio-technology

Botany

Chemistry

\*Computer Science

Environmental Science

Forestry

Fresh Water Biology and Fisheries

\*Genetics

Geography

\*Geology

Mathematics

Medical Laboratory Technology

Microbiology

Nutrition and Food Technology

Physics

Physiology

\*Physical Education, Health and Sports Science

Statistics

Zoology

\*Admission on district wise Urban/Rural quota basis



## **CENTRE FOR PHYSICAL EDUCATION, HEALTH & SPORTS SCIENCE**

The Centre was established as "Centre for Health & Physical Education" in 1990 as no Masters 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, two semesters (B.H.P. Ed) "Bachelors 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, Centre is also offering evening Programme since 2005. Keeping in view the growing need of 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 years' Programme, 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, Centre started publishing its International Journal annually, "The Shield"-International Journal of Physical Education and Sports Science in 2006. Fourteen volumes have been published and more than 125 research articles have been published so far, and 15<sup>th</sup> volume is in process and will be published soon. Research journal has been promoted in "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 laurels in many competitive examinations and in the job market of all Provinces and Federal Government as well. 95% students are on jobs. The Centre has qualified and experienced faculty who are disseminating Knowledge, Skills and experience to their Students.

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

Ghori, Soniha Aslam, (MD), Professor and **Director**  
M.B.B.S & Ph.D (S.U.) 2014

Ansari, Muhammad Akram, Professor  
M.H.P.Ed. (S.U.) 1992, Ph.D (S.U.) 2013

Qambrani, Muhammad Rafique, Associate Professor  
M.H.P.Ed. & Ph.D (China) 2014

Mughal, Mehmood-UI-Hassan, (MD) Assistant Professor  
M.B.B.S, M.Phil (S.U.) 2009

Syed, Asim Hussain, Assistant Professor  
M.H.P.Ed. (SU) & M.Phil (UOL) 2019

Soomro, Javed Ali, Assistant Professor  
M.H.P. Ed & Ph. D (China) 2018

Bhatti, Ghayoor Abbass, Lecturer  
M.H.P.Ed.

Keerio Maryam,  
Gymnastics Demonstrator (**Girls**)  
M.H.P.Ed.

### **Ph. D and M.Phil Supervisors**

**Dr. Muhammad Akram Ansari (Ph. D)**  
Professor

Centre for Physical Education, Health & Sports Science  
01 M.Phil supervised successfully  
01 Ph. D and 05 M.Phil in Progress

**Dr. Soniha Aslam (Ph. D) (HEC Approved Supervisor)**

Professor  
Centre for Physical Education, Health & Sports Science  
01 Ph. D and 05 M.Phil supervised successful  
08 M.Phil in Progress

**Dr. Muhammad Rafique Qambrani (Ph. D)**

Associate Professor  
Centre for Physical Education, Health & Sports Science  
01 M.Phil supervised successfully  
01 Ph. D and 05 M.Phil in Progress



**Prof. Dr. Yasmeen Iqbal (Rtd.)**

HEC Approved Supervisor and Former Director,  
Centre for Physical Education, Health & Sports Science  
03 Ph. D and 06M.Phil supervised successfully  
08M.Phil in progress.

**BS (PHYSICAL EDUCATION, HEALTH & SPORTS SCIENCE):4-YEAR DEGREE  
PROGRAMME (8-SEMESTER) CH-134**

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. Academic Session starts in January and ends in December.

**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	Basic Human Anatomy (Th.)	3
PEHSS313	Basic Human Anatomy (Lab.)	1
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	Introduction to Physiology (Th.)	2
PEHSS321	Introduction to Physiology (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
PEHSS 410	Media and Sport (Th.)	2
PEHSS 411	Media and Sport (Lab.)	1
PEHSS 412	Human Biology	3
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
PEHSS 420	Health Education (Community Health, Hygiene, Nutrition) (Th.)	2
PEHSS421	Health Education (Community Health, Hygiene, Nutrition) (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

**THIRD YEAR**

<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
PEHSS508	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( <b>Optional</b> ) Games and Athletics	1
<b>Second Semester</b>		<b>C.H.</b>
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 SCIENCE, (EVENING) 1 YEAR DEGREE PROGRAMME (2-SEMESTER) 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 SCIENCE  
(EVENING) 1-YEAR DEGREE PROGRAMME (2-SEMESTER) CH-54**

Pre-requisite: - BPEHSS degree or equivalent. Pre-Entry/ 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 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 environment 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 careers at a time when environmental issues are incising 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.

### **The Aim**

The goal of the Bachelor of Science degree (B.S.) in environmental studies is to train students to become proficient in the natural and physical sciences, as well as to be aware of social and cultural influences upon environmental problems facing society today.

### **The Scope**

Being an interdisciplinary field of knowledge, Environmental Sciences includes Programmes with multidisciplinary scope in which the graduates will learn to address the challenges of maintenance of environmental integrity for sustainable development in relation to human activities.

### **Teaching Objectives:**

The teaching objectives of the degree Programmes 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.

### **Rationale**

Finding a sustainable way of life is one of the greatest socially, economically and environmentally challenges facing humanity today. This requires a new frame of mind and new set of values. Education is critical for promoting such values and improving people's capacities to address environmental and developmental issues. Education at all levels especially university education should aim at achieving sustainable development and foster environmentally sound attitudes, skills and behavior patterns, as



well as a sense of ethical responsibility. This can be achieved if Environmental Science is made part of the education embracing both the scientific and social aspects of the human life. The discipline of Environmental Science is perceived as the systematic study of the world around us, our proper place in it and how it can deal with the issues of socio-economic development on the basis of the principles derived from various disciplines of natural sciences.

The development of interdisciplinary curriculum is one way of developing capacity in Environmental Science for the achievement of ultimate goals of sustainable development.

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:

Being an interdisciplinary field of knowledge, Environmental Sciences includes Programmes with multidisciplinary scope in which the graduates will learn to address the challenges of maintenance of environmental integrity for sustainable development in relation to human activities.

The teaching objectives of the degree Programmes in Environmental Sciences are to enable its graduates with following key skill:

- ◆ To train leaders, develop new knowledge, and devise solutions than 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
- ◆ Purpose sustainable solutions for environmental problems

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

Almani Khalida Faryal, Professor & **Director**

Abbasi Habibullah, Assistant Professor

Mahar Amanullah, Assistant Professor

Bhatti Muhammad Ali, Lecturer

Siddique Sara Khalil, Lecturer

Talpur Aziz Ahmed, Lecturer

**BS (ENVIRONMENTAL SCIENCES): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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>
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>
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>
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

### MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-70

The 2- year 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, Pre- Entry Test.

#### 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, where it was temporarily lodged in the Chemistry Block. In 1971, it was shifted to its present premises which has since then been expanded and a new block along with an Auditorium added to it in 1992. The availability of the additional space has comparatively eased accommodation problem and completely new laboratories have been set in the newly constructed block.

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 department produced a monograph on "Geology of Sindh" in addition to bibliographies pertaining to the various regions of Pakistan. It has completed a number of research projects, e.g. "China Clay (Nagar Parkar)" financed by PSF "Clay Deposits of Sindh" sponsored by PCSIR, "Glass Sand resources of Sindh" and "Resistivity Survey for Ground water in Kohistan Area, district Dadu, sponsored by UNICEF. From 2001-2004 hydrogeological studies on sea water intrusion in district Thatta on two research projects funded by the HEC and P.S.F. have been completed. One research project, Paleoenvironmental study of lower Goru Formation in the subsurface of Lower Indus Basin, Pakistan, sponsored and funded by P.S.F has been undertaken. Beside Centre has recently contracted projects on a Feasibility study of Granite deposit of District Tharparkar Sindh and Dimension Stone in Dadu, Jamshoro and Thatta, final reports have been submitted. Recently a collaborative project on Moen-Jo-Daro has been started between Centre for Pure and Applied Geology and Department of Culture and Architect, Government of Sindh. One research project on "Detection of saline intrusions in the right bank sediment of southern Sindh", Sponsored by PSF and "Investigation of Seawater intrusions-left bank sediment of southern Sindh", Sponsored by NDP have been completed in 2006. The Centre is actively participating in collaborative research projects with petroleum exploration companies such as PPL and Weatherford.

The collaborative Research work between University of Sindh and a mission Paleontologique Francaiseau Pakistan (MPFP) on "Evolution of Paleogene Biotas of Sindh in the context of the Continental Collision between Asia and Indian subcontinent from 28.11.2008 to 31.03.2015

The Centre for Pure and Applied Geology has started PROGRAMME of internship training for final year students with various Oil Companies operating in the country. It has brightened job prospects for capable students.

The Centre offers 04 years BS Geology PROGRAMME. The Centre has also re-introduced M.Phil / Ph.D PROGRAMME as of 2003 session. Presently 70 students are registered for

their M.Phil / Ph.D research studies. While in past many candidates had earned their Ph.D and M.Phil degrees.

A Coal Research Lab has been established with the Collaboration of Weatherford Oil Tools. M.E Ltd. And a Geophysics chair with the collaboration of PPL is established in 2012. An advanced Research Laboratory is also established since 2007, where multi-disciplinary instruments such as XRF, XRD, SEM, EDS, AAS and GPRS along with polarizing microscopes are installed for M.Phil and Ph.D scholars.

### The teaching faculty comprises of the following:

**Agheem Muhammad Hassan, Professor and Director**  
M.Sc. (S.U.) 1998, Ph. D (Peshawar) 2008

**Lashari Rafique Ahmed, Associate Professor**  
M.Sc. (S.U.) 2001, Ph. D (S.U.) 2013

**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

**Bablani Saeed Ahmed, Assistant Professor**  
M.Sc. (QEAU) 1986, M. Phil (Norway) 1995

**Pathan Mushtaque Ahmed, Assistant Professor**  
M.Sc. (S.U.) 1988, M. Phil (BU) 2006

**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

**Samoon Muhammad Kashif, Assistant Professor**  
M.Sc. (S.U.) 2002, M. Phil (S.U.) 2014

**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



Dars Humaira, Assistant Professor  
M.Sc. (S.U.) 1998, M. Phil 2013

Shaikh Shahid Ali, Assistant Professor  
M.Sc. (QEAU) 1999, Ph. D (China) 2018

Warar Mashooque Ali, Lecturer  
M.Sc. (S.U.) 2005

Memon Kashif Ahmed, Lecturer  
M.Sc. (S.U.) 1998

Ghuryani Samina, Lecturer  
M.Sc. (S.U.) 2002

Samtio Muhammad Soomar, Lecturer  
BS 2010

Jamali Muhammad Afzal, Lecturer  
BS 2011, M. Phil (S.U.) 2019

Rajpar Riaz Hussain, Lecturer  
M.Sc. (QEAU)

### **BS (GEOLOGY): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-138**

Pre-requisite; H.S.C. (Pre-Engineering/ Pre-Medical/ General Science) with at least 45% aggregate marks.

#### **FIRST YEAR**

<b>First Semester</b>	<b>C.H.</b>
ENG 300 English- I	3
IST.ST/ETH300 Islamic Studies/Ethics	2
MATH 300 Mathematics-I	3
GEOL310-311 General Geology	4
PHY/CHEM/ Physics/Chemistry/Geography (Optional)	3
GEOG 320-321	
MATH/PHSL/STAT/ Functional/Applied Mathematics/Physiology/Statistics/Geography/ Zoology	3
GEOG/ZOOL 320-321	
MATH 300 Mathematics-I	

<b>Second Semester</b>	<b>C.H.</b>
ENG 301 English- II	3
IST.ST/ETH.301 Islamic Studies/Ethics	2
MATH 301 Mathematics-II	3
PHY/CHEM/ Physics/Chemistry/ Geography(Optional)	3
GEOG 322-323	
MATH/PHSL/STAT/ Functional/Applied Mathematics/Physiology/Statistics/Geography/ Zoology	3
GEOG/ZOOL 322-323	
GEOL312-313 Petrology and Geomorphology	4

#### **SECOND YEAR**

<b>Third Semester</b>	<b>C.H.</b>
ENG 400 Communication Skill (English- III)	3
CIVIZ 400 Civilization	2
PHY/CHEM/ Physics/Chemistry/ Geography (Optional)	3
GEOG 420-421	
MATH/PHSL/STAT/ Applied Mathematics/Physiology/Statistics/Geography/Zoology	3
GEOG/ZOOL 420-421	
GEOL 410-411 Palaeontology	3
GEOL 412-413 Stratigraphy	3

<b>Fourth Semester</b>	<b>C.H.</b>
ENG 401 Tech Report Writing (English- IV)	3
EVIS 401 Environmental Sciences	2
PHY/CHEM/ Physics/Chemistry/ Geography (Optional)	3
GEOG 422-423	
MATH/PHSL/STAT/ Applied Mathematics/Physiology/Statistics/Geography/Zoology	4
GEOG/ZOOL 422-423	
GEOL 414-415 Crystallography, Optical Mineralogy & Petrography	3
GEOL 402 Geological Field Work-I	2





### THIRD YEAR

<b>Fifth Semester</b>		<b>C.H.</b>
GEOL 500-501	Geo Tectonics	3
GEOL 502-503	Structural Geology	3
GEOL 504-505	Sedimentology	3
GEOL 506-507	Geochemistry	3
GEOL 508-509	Mineralogy	3
GEOL 510-511	Igneous & Metamorphic Petrology	3

<b>Sixth Semester</b>		<b>C.H.</b>
GEOL 512-513	Geophysics	3
GEOL 514-515	Sequence Stratigraphy	3
GEOL 516-517	Remote Sensing & GIS	3
GEOL 518-519	Field Geology & Sedimentary Petrology	3
GEOL 520-521	Economic Geology	3
GEOL 522	Geological Field Work-II	3

### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
GEOL 600-601	Geology of Pakistan	3
GEOL 602-603	Petroleum Geology	3
GEOL 604-605	Environmental Geology	3
GEOL 606-607	Engineering Geology	3
GEOL 608-609	Hydrogeology	3
GEOL 610-611	Micropaleontology & Bio-Stratigraphy	3

<b>Eighth Semester</b>		<b>C.H.</b>
GEOL612-613	Special Paper-I	4
GEOL614-615	Special Paper-II	4
GEOL 616	Thesis+ Field Work	4
GEOL 617	Comprehensive Viva Voce	2

List of subjects that can be offered as special papers in consultation with the Director of the Centre, available with the Centre Office



## INSTITUTE OF BIOCHEMISTRY

Biochemistry is a vibrant and dynamic discipline; it is related to almost all the life sciences. Without biochemistry background & knowledge, a thorough understanding of health & well being is not possible. As it has developed into a major field with huge range of applications. Those who acquire a sound knowledge of biochemistry can tackle the central concerns of the biomedical sciences to understand and maintain the health and cure from diseases. 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 Technology, Bioanalytical Techniques, Bioinformatics and Molecular Biology. The Biochemistry Programmes at University of Sindh are also an excellent option for students majoring in Biological Sciences, such as, Physiology, Microbiology, Psychology, etc. opt it as a minor subject. The degree Programmes in Nutrition & Food Technology will promote and involves the study of Nutrition, Food and its relation to health.

In the light of increasing nutrition-related problems in the world, it is necessary to find new ways to empower individuals and communities to exercise control over their health issues. Proper nutrition practices hold the key to the prevention and treatment of the chronic degenerative disease that affect families globally. The intergration of preventive and therapeutic nutrition into contemporary health care and food production and service is pivotal to this process.

**The Institute is presently offering the following degree Programmes: -**

### SECTION – I (BIOCHEMISTRY)

- BS. Degree in Biochemistry (08 Semesters)
- M.Sc. Degree in Biochemistry (04 Semesters)
- M. Phil/MS Degree in Biochemistry (24 Cr. Hrs. Course Work).
- Ph.D Degree in Biochemistry (18 Cr. Hrs. Course Work).

### SECTION – II (NUTRITION & FOOD TECHNOLOGY)

- BS Degree in Nutrition and Food Technology (08 Semesters)
- M. Phil/MS Degree in Nutrition & Food Technology (24 Cr. Hrs. Course Work).
- Ph.D Degree in Nutrition & Food Technology (18 Cr. Hrs. Course Work).
- One Year Diploma in Food Analysis (Evening PROGRAMME).

The Institute has well developed Research Laboratories in the field of Clinical Diagnosis, Nutrition & Food Technology, Molecular Biology, Bioinformatics, Bioanalytical and Toxinology Research. Where techniques like Fourier Transform Infrared Spectrometry (FTIR), Fraction collector, Electrophoresis, flame Photometry, High Performance Liquid Chromatography (HPLC). Micro-lab, etc are being performed actively. All the faculty members are well-qualified & are fully committed towards creating a driving intellectual curiosity in students. Excellent student teacher ratio provides ample opportunity for students to interact with the faculty. Students find that faculty and staff is not only accessible, but is committed to their progress.

The mission of the Institute includes to teach and prepare undergraduate students for position of leadership in the new biology and to equip them to approach the challenging problems in life science that will continue to develop in the following decades.

A degree in Biochemistry/Nutrition & food Technology will give the tools to succeed in the 21st century.

### **Institute of Biochemistry has Five (05) Research Laboratories.**

- Bio-Analytical Research Lab.
- Bioinformatics Research Lab.
- Molecular Biology Research Lab.
- Nutrition & Food Technology Research Lab.
- Toxinology Research Lab.

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

**Channa Naseem Aslam, Professor & Director**

M.Sc. 1993 (S.U.), Ph. D 2006 (S.U.)

**Shah Afsheen, Professor**

M.Sc. 2001(S.U.), Ph.D 2012(S.U.)

**Ansari Ibtesam Tahir, Associate Professor**

M.Sc. 2003, Ph.D (S.U.)

**Memon Farah Naz, Assistant Professor**

M.Sc. 1997(S.U.)

**Mangi Autif Hussain, Assistant Professor (On Study Leave)**

BS 2006(S. U), M.Phil 2014 (S.U.)

**Kazi Mehar Ali, Assistant Professor**

BS 2006, MS 2014 (M.U.E.T)



Ghanghro Abdul Waheed, Assistant Professor  
BS 2007 (S. U), M.Phil 2017 (S.U.)

Khanzada Beenish Nadeem, Assistant Professor  
BS 2007(S. U), M.Phil (QAU)

Channa Mehwish, Assistant Professor  
BS 2009(S.U.), Ph.D 2016 (S.U.)

Mian Mansoor Ali Afsar, Lecturer  
M.Sc.

Arjo Muhammad Acher, Lecturer  
BS 2007(S.U.)

**BS (BIOCHEMISTRY): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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	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)	
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)	

**SECOND YEAR**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
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-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)	
SOCI/MRKT/ Sociology-I/Marketing	2	SOCI/MRKT/ Sociology-II/Marketing-II	2
EDUC 420 (Communication)/Science		EDUC 422 (Management)/Science	
		Teaching Methods-II	
		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**

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-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-68

Pre-requisite: Bachelor degree with Chemistry and any biology subject preferably with Biochemistry with minimum 50% score.

##### *(M.Sc. Prev.)*

First Semester			Second Semester		
		C.H.			C.H.
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).*

Third Semester			Fourth Semester		
		C.H.			C.H.
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 TECHNOLOGY): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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 Food Science & Technology	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
MATH 301	Mathematics-II	3
NUFT312-313	Physical 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
NUFT410-411	Food Chemistry	3+1
BIOC 420-421	Biochemistry-III	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 Science	2
STAT 402-403	Introduction to Computer Skills & Bio-Statistics	2+1
NUFT412-413	Food Processing & Preservation	3+1
BIOC 422-423	Biochemistry-IV	2+1
SOCI/MRKT/EDU 422	Sociology/Marketing/ Science Teaching Methods	2



### THIRD YEAR

<b>Fifth Semester</b>		<b>C.H.</b>
NUFT500-501	Food Enzymology	3+1
NUFT502-503	Food Microbiology	3+1
NUFT 504	Food Toxicology	2
NUFT506-507	Beverage, Confectionary & Snack Foods	2+1
NUFT508-509	Food Analysis & Sensory Evolution	2+1

<b>Sixth Semester</b>		<b>C.H.</b>
NUFT510-511	Meat, Poultry & Fish Processing	3+1
NUFT512-513	Dairy Technology	3+1
NUFT 514	Post-harvest	2
NUFT516-517	Baking Science & Technology	2+1
NUFT518-519	Milling of Cereals & Cereal Technology	2+1

### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
NUFT600	Preparation of Research Project & Scientific Writing	3
NUFT602-603	Oil, Fats & Sugar Technology	
NUFT 604	Food Additives	3
NUFT 606	Food Plant Design & Layout	2
NUFT	Elective – I	2+1
NUFT	Elective-II	2+1

<b>Eighth Semester</b>		<b>C.H.</b>
NUFT 622	Starch Chemistry & Technology	3
NUFT 624	Food Safety & Factory Laws	3
NUFT 626	Food Packing	2
NUFT 628	Food Quality Assurance Management	2
NUFT	Elective – III	3
NUFT	Elective - IV (Research Project)	3
NUFT 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. NUFT. 608, Recent Advances in Food Science and Technology
02. NUFT. 610, Food Biotechnology
03. NUFT. 612, Principles of Nutritional Therapy

#### ELECTIVE - II

01. NUFT. 614, Genetically Modified Foods
02. NUFT. 616, Nutrition & Chronic Illness
02. NUFT. 618, -----
04. NUFT. 620, -----

### 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.NUFT. 630, Marine Foods
- 02.NUFT. 632, Natures Pharmacy
- 03.NUFT. 634, Clinical Skills for Nutritional Therapy

**ELECTIVE – IV**

- 01.NUFT. 636, Research Project / Internship
- 02.NUFT. 638, Food Industrial Waste Management
- 03. NUFT. 640, Nutrition & Dietetics
- 04. NUFT. 642, -----

**DIPLOMA IN FOOD ANALYSIS& FOOD SECURITY: 1- YEAR (2 SEMESTER) 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	2		DFA 303	Food Safety & Quality control	2	
	& Food Security			DFA310	Food Analysis – II	2	
DFA 302	Food Chemistry	2		DFA	Practicals	4	
DFA 304	Food Analysis-I	2		DFA 312	Project Work / Internship	3	
DFA 306	Food Additives	2		DFA 313	Comprehensive Viva	2	
DFA 305	Practicals	4					



## **INSTITUTE OF BIOTECHNOLOGY & GENETIC ENGINEERING**

The Centre for Advanced Studies in Biotechnology was established in January 2002. It was upgraded to Institute in April 2003. It started M.Sc. (Biotech), BS Genetics in 2004 and BS Biotech in 2014. 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 in the Institute of Chemistry in 1989. During this period eighteen (18) Ph.D and twenty (20) M.Phil degrees were awarded besides completion of sixteen (16) research projects sponsored by National and International funding agencies and one research project is in progress sponsored by HEC. So far more than (350) research articles have been published by the faculty in National and International Journals.

The challenges of 21st 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 Institute provides research facilities in the areas of Plant Biotechnology, Industrial Biotechnology, Healthcare, Environment Biotechnology and Genetics. The Institute has established International linkage and collaboration with highly reputed research laboratories and institute, e.g., Institute of Biochemistry and Biophysics, University of Tehran, Iran and State Key Laboratory of Bioreactor Engineering, East China University of Science and Technology, Shanghai, China. Institute of organic Chemistry and Biochemistry, University of Bonn and Department of Chemical Engineering, University of Bath, U.K, Shanghai Jiatong University China, Bogor Agriculture University, Indonesia, HEJ Research Institute University of Karachi, Nuclear Institute of Tando Jam and Research and Diagnostic Lab. LUMHS.Jamshoro to overcome its resources constraints. So far the institute has organised

five international symposia on biotechnology and two national training courses on biotechnological techniques.

The main goal of the Institute of Biotechnology and Genetic Engineering is teaching and research especially:

- 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 / Genetics

Experienced and competent faculty including visiting faculty with expertise and long experience in the area are presently conducting teaching and research Programmes. Plans are in hand to induct qualified faculty shortly.

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

**Syed Habib Ahmed Naqvi, Professor and Director**

M.Sc. 1996, Ph.D (S.U.) 2005, Post Doc. (China) 2008

**Muhammad Rafiq, Professor**

M.Sc. (BZU) 1999, M. Phil. (PU) 2002, Ph. D (SU) 2012

**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 (NIBGE-UAF) 2002, Ph.D (SU) 2012

Siddiqui Komal, Assistant Professor  
BS Genetics (S. U) 2009, M.Phil (NIBGE)

Sajid Ali, Lecturer  
BS Genetics (S.U.) 2009

**BS (GENETICS): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-136**

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
350-351	Minor-I, Theory & Practical	2+1
352-353	Minor-II, Theory & Practical	2+1
PHSL/MICR/BIOC/ BOTN/	Physiology/Microbiology/Biochemistry/Botany/Zoology/	2+1
ZOOL/FWBF 320-321	Fresh Water Biology & Fisheries	

<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
356-357	Minor-I, Theory & Practical	2+1
358-359	Minor-II, Theory & Practical	2+1
PHSL/MICR/BIOC/BOTN/	Physiology/Microbiology/Biochemistry/Botany/Zoology/	2+1
ZOOL/FWBF 322-323	Fresh Water Biology & Fisheries	

**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
450-451	Minor-I, Theory & Practical	2+1
452-453	Minor-II, Theory & Practical	2+1
PHSL/MICR/BIOC/BOTN/	Physiology/Microbiology/Biochemistry/Botany/Zoology/	2+1
ZOOL/FWBF 420-421	Fresh Water Biology & Fisheries	

<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
456-457	Minor-I, Theory & Practical	2+1
458-459	Minor-II, Theory & Practical	2+1
PHSL/MICR/BIOC/BOTN/	Physiology/Microbiology/Biochemistry/Botany/Zoology/	2+1
ZOOL/FWBF 422-423	Fresh Water Biology & Fisheries	

**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	Computer Applications in Genetics	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

<b>First Semester</b>		<b>C.H.</b>
GENT 600-601	Genetic Engineering	3+1
GENT 602-603	Tools & Techniques 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
<b>Second Semester</b>		<b>C.H.</b>
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: -

		<b>C.H.</b>
GENT 618	Germplasm Resources	2
GENT 620	Cell & Tissue Culture	2
GENT 622	Aqua Culture	2
GENT 624	Gene Technology	2
GENT 626	Genomic	2
GENT 628	Bioinformatics	2

#### BS (BIOTECHNOLOGY): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-136

**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>	<b>Second Semester</b>			<b>C.H.</b>
ENGL 300	English-I	3		ENGL-301	English-II	3	
ISST 300	Islamic Studies/Ethics	2		PKST-301	Pakistan Studies	2	
MATH 300	Mathematics-I	3		MATH-301	Mathematics-II	3	
BIOT 310	Cell Biology	3		CHEM 322	Chemistry	2	
BIOT 311	Cell Biology (Practical)	1		CHEM 323	Chemistry (Practical)	1	
CHEM 320	Chemistry	2		BIOT 314	Elements of Biotechnology	3	
CHEM 321	Chemistry (Practical)	1		BIOT 315	Elements of Biotechnology (Practical)	1	
BIOT 312	Plant Diversity	2		BIOT 316	Animal Diversity	2	
BIOT 313	Plant Diversity (Practical)	1		BIOT 317	Animal Diversity (Practical)	1	

#### SECOND YEAR

<b>Third Semester</b>			<b>C.H.</b>	<b>Fourth Semester</b>			<b>C.H.</b>
ENGL 400	English-III	3		ENGL 401	English-IV	3	
ISST 400	Civilization	2		BIOT 414	Ecosystem & Environment	2	
CHEM 420	Chemistry	2		BIOT 415	Ecosystem & Environment (Practical)	1	
CHEM 421	Chemistry (Practical)	1		CHEM 422	Chemistry	2	
BIOT 410	Genetics	2		CHEM 423	Chemistry (Practical)	1	
BIOT 411	Genetics (Practical)	1		STAT 400	Biostatistics	2	
BIOT 412	Pharmaceutical Biotechnology	2		STAT 401	Biostatistics (Practical)	1	
BIOT 414	Basic Microbiology	2		BIOT 416	Molecular Genetics	3	
BIOT 415	Basic Microbiology (Practical)	1		BIOT 417	Molecular Genetics (Practical)	1	
				BIOT 418	Business Applications in Biotechnology	2	



### THIRD YEAR

<b>Fifth Semester</b>			<b>Sixth Semester</b>		
		<b>C.H.</b>			<b>C.H.</b>
BIOT 500	Fundamentals of Biotechnology	3	BIOT 510	Industrial Biotechnology	3
BIOT 501	Fundamentals of Biotechnology (Practical)	1	BIOT 511	Industrial Biotechnology (Practical)	1
BIOT 506	Biological Chemistry	3	BIOT 516	Metabolism	3
BIOT 507	Biological Chemistry (Practical)	1	BIOT 517	Metabolism (Practical)	1
BIOT 520	Marine Biotechnology	2	BIOT 518	Computer Applications in Biotechnology	2
BIOT 521	Marine Biotechnology (Practical)	1	BIOT 519	Computer Applications in Biotechnology (Practical)	1
BIOT 522	Immunology	2	BIOT 528	Microbial Genetics	2
BIOT 523	Immunology (Practical)	1	BIOT 529	Microbial Genetics (Practical)	1
BIOT 526	Bioinformatics	2	BIOT 530	Proteomics and Genomics	2
BIOT 527	Bioinformatics (Practical)	1			

### FOURTH YEAR

<b>Seventh Semester</b>			<b>C.H.</b>
BIOT 600	Genetic Engineering		3
BIOT 601	Genetic Engineering (Practical)		1
BIOT 602	Tools and Techniques in Biotechnology		3
BIOT 603	Tools and Techniques in Biotechnology (Practical)		1
BIOT 604	Agriculture and Food Biotechnology		2
BIOT 605	Agriculture and Food Biotechnology (Practical)		1
BIOT 606	Animal Cell and Tissue Culture		2
BIOT 607	Animal Cell and Tissue Culture (Practical)		1
BIOT 608	Protein and Enzyme Technology		2
BIOT 609	Protein and Enzyme Technology (Practical)		1

### **Eights Semester**

<i><b>Eights Semester</b></i>	<i><b>C.H.</b></i>	
BIOT 610	Research Methodology	3
BIOT 614	Plant Cell and Tissue Culture	2
BIOT 615	Plant Cell and Tissue Culture (Practical)	1
BIOT 616	Medical Biotechnology	2
BIOT 617	Medical Biotechnology (Practical)	1
BIOT 619	Thesis/ Research Project (Partial) in lieu of 3 Practicals (BIOT-615, 617, 623)	3
BIOT 620	Comprehensive Viva voice	2
BIOT 622	Hydroponics	2
BIOT 623	Hydroponics (Practical)	1
BIOT 624	Biosafety and Bioethics	2

### **MASTER OF SCIENCE IN BIOTECHNOLOGY: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66**

Pre-requisite: Bachelor degree in Chemistry and any biological science subject, with a minimum of 45% score: Pre-Entry Test.

### **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>
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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>
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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>
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BIOT 610	Research Methodology	3
BIOT 612-613	Biodiversity & Environment Biotechnology	2+1
BIOT 614-615	Plant Cell & 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 & optional subject	3
BIOT 620	Comprehensive Viva Voce	2

\* odd numbercourses 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 that of 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.s 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, been 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) PROGRAMME both in the Morning as well as Evening, besides MS/ M.Phil and Ph.D Programmes.

### The teaching faculty comprises of 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. (SAL University, Khairpur) 2001, Ph.D 2011

**Ibupoto Zaffar Hussain, Associate Professor**

M.Sc. (SAL University, Khairpur) 2001, Ph.D (Linkoping 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 (Registered for Ph.D)

**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-IV (S. U) 2007, M.Phil leading to Ph.D (S.U.) 2009

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 (Registered for Ph. D)

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

Rind Moula Bux, Chemical Analyst  
M.Sc. (S.U.) 1986, M.Phil (S.U.) 2000

Khuwawar Muhammad Yar, (Emeritus Professor)  
M.Sc. (S.U.) 1971, Ph.D 1977, D.Sc. (Birmingham) 1998

### **BS CHEMISTRY (MORNING & EVENING) 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-144**

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

#### **For Pre-Engineering**

STAT/GEOG/	Supporting-II (Optional) Paper-II	
GEOL 320-321	Statistics/Geography/Geology	2+1

#### **Second Semester** **C.H.**

ENGL 301	English-II	3
ISST/ETHS301	Islamic Studies/Ethics	2
MATH 301	Mathematics-II	3
CHEM312-313	Physical Chemistry	3+1

#### **For Pre-Medical**

ZOOL/BOT/PHSL/	Supporting-II (Optional) Paper-II	
FWBF 322-323	Zoology/Botany/Physiology/Fresh Water Biology & Fisheries	2+1

#### **For Pre-Engineering**

STAT/GEOG/	Supporting-II (Optional) Paper-II	
GEOL 322-323	Statistics/Geography/Geology	2+1

#### **SECOND YEAR**

#### **Third Semester** **C.H.**

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

#### **For Pre-Medical**

ZOOL/BOT/PHSL/	Supporting-II (Optional) Paper-III	
FWBF 420-421	Zoology/Botany/Physiology/Fresh Water Biology & Fisheries	2+1

#### **For Pre-Engineering**

STAT/GEOG/	Supporting-II (Optional) Paper-III	
GEOL 420-421	Statistics/Geography/Geology	2+1

#### **Fourth Semester** **C.H.**



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
<b>For Pre-Medical</b>		
ZOOL/BOT/PHSL/	Supporting-II (Optional) Paper-IV	
FWBF 422-423	Zoology/Botany/Physiology/Fresh Water Biology & Fisheries	2+1
<b>For Pre-Engineering</b>		
STAT/GEOG/	Supporting-II (Optional) Paper-IV	
GEOL 422-423	Statistics/Geography/Geology	2+1

### THIRD YEAR

<b>Fifth Semester</b>	<b>C.H.</b>	<b>Sixth Semester</b>	<b>C.H.</b>
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

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eighth Semester</b>	<b>C.H.</b>
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

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eighth Semester</b>	<b>C.H.</b>
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

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eighth Semester</b>	<b>C.H.</b>
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

<b>Seventh Semester</b>	<b>C.H.</b>	<b>Eighth Semester</b>	<b>C.H.</b>
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. IN CHEMISTRY 2-YEAR DEGREE PROGRAMME (4-SEMESTER) 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; Pre-Entry Test.**

**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

#### 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.

CHEM 612P Comprehensive Examination 4



## INSTITUTE OF MATHEMATICS & COMPUTER SCIENCE

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-Semester) Bachelor Programmes in Mathematics and Computer Science namely BS (Mathematics) and BS (Computer Science) as well as 2-Year (4-Semester) Master Programmes in Mathematics and Computer Science. The 2-Years Programmes including 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 awareness amongst academic and administrative staff, students, and masses, IMCS offers M.Sc. (Computer Science) and Post Graduate Diploma Programmes.

The Institute is committed to prepare and inculcate 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 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 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 of the following:

Chandio Muhammad Saleem, Professor  
M.Sc. (S.U.) 1986, Ph.D (Wales, UK) 2002

Shaikh Abdul Wasim, **Professor and Director**  
M.Sc. (S.U.) 1990, Ph.D (P.R. China) 2006

Memon Abdul Ghafoor, Professor  
M.Sc. (S.U.) 1988, 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

Korejo Imtiaz Ali, Professor  
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

Malkani Yasir Arafat, 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

Jalbani Shamsuddin, Assistant Professor



M.Sc. (S.U.) 1985

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

Laghari Gulsher, Assistant Professor

BSIT (S.U.) 2005, M.Phil (IT) (S.U.) 2014, Ph.D (Belgium) 2018

Unar Kulsoom Saima, Assistant Professor (On Lien)

BS (CS) (S.U.) 2007, M.Phil (Computer Science) (S.U.) 2016

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 (IT) Malaysia 2019

Channa Najma Nawaz, Assistant Professor

BCS (S.U.) 2005, Ph.D (IT) Malaysia 2019

Buledi Asadullah, Assistant Professor

BS (S.U.) 2007, Ph.D (S.U.) 2019

Brohi Kamran, Lecturer

M.Sc. (S.U.) 2001

Nangraj Abdul Rehman, Lecturer

BCS (S.U.) 2005

Soomro Asia, Lecturer

BSIT (S.U.) 2009, M.Phil (S.U.) 2019

Qureshi Zohaib Ali, Lecturer

BS (Mathematics) (S.U.) 2009, M.Phil (MUET) 2018

Bhatti Aijaz Ahmed, Lecturer

M.Sc. (Mathematics) (S.U.) 2013, M.Phil (S.U.) 2019

04 Teaching Assistants in Mathematics

03 Teaching Assistants in Computer Science

02 Teaching Assistants in English

### **BS (MATHEMATICS): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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





<b>Fourth Semester</b>			<b>C.H.</b>
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

<b>Fifth Semester</b>			<b>C.H.</b>	<b>Sixth Semester</b>			<b>C.H.</b>
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

<b>Seventh Semester</b>			<b>C.H.</b>	<b>Eights Semester</b>			<b>C.H.</b>
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. IN MATHEMATICS: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-68

This Masters 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, Pre-entry Test.

### M.Sc. (PREVIOUS)

<b>First Semester</b>			<b>C.H.</b>	<b>Second Semester</b>			<b>C.H.</b>
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)

<b>Third Semester</b>			<b>C.H.</b>	<b>Fourth Semester</b>			<b>C.H.</b>
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 (MORNING & EVENING): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-136

**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

#### FIRST YEAR

<b>First Semester</b>		<b>C.H.</b>
CC-310	Programmemeesming Fundamentals	3
CC-311	Programmemeesming 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
CSMS-380	Calculus and Analytical Geometry	3
CSMS-382	Applied Physics	3

<b>Second Semester</b>		<b>C.H.</b>
CSC-330	Digital Logic Design	3
CSC-331	Digital Logic Design (Lab)	1
CC-312	Object Oriented Programmemeesming	3
CC-313	Object Oriented Programmemeesming (Lab)	1
CC-314	Discrete Structures	3
CSGE-308	Communication and Presentation Skills	3
ISST-301	Islamic Studies	2
CSUE-390	University Elective – 1	3

#### SECOND YEAR

<b>Third Semester</b>		<b>C.H.</b>
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

<b>Fourth Semester</b>		<b>C.H.</b>
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

<b>Fifth 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>Sixth 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

#### **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-512	Final Year Project – 2	3
CSE-664	CS Elective – 6	3
CSE-666	CS Elective – 7	3
CSUE-690	University Elective – 4	3

**Note:** details of the course contents can be obtained from the office of the IMCS

#### **MCS MASTER OF COMPUTER SCIENCE: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) 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

**NOTE:**

1. The Director may revise/modify list of Electives depending on the market requirement/ advancement in the subject and availability of expert faculty.
2. Details of the course contents can be obtained from the office of the IMCS

**M.SC. COMPUTER SCIENCE: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) 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	3
CS-501	Introduction to Information and Communication Technologies (Lab)	3
CS-502	Programmings Fundamentals	3
CS-503	Programmings Fundamentals (Lab)	3
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 Programmings	3
CS-511	Object Oriented Programmings (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-613	Final Year Project – 2	6

**Note:** details of the course contents can be obtained from the office of the IMCS



## 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 year sPROGRAMME, 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 PROGRAMME. All equipment and facilities are available to students and researchers. Having a huge space, it possesses six class rooms where 120 students in each can be accommodated, one air-conditioned computer laboratory, multimedia rooms a large auditorium and a seminar library and recently 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 hot 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. Risk 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 of 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)

**Farouqui Munazza Sharif, Assistant Professor (On study leave)**

B.Sc. (Hons.), M.Sc. (SU), M.Phil (QAU)

**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, Lecturer**

B.Sc. (Hons.), M.Sc. (SU), Ph.D ((China)

**BS IN MICROBIOLOGY 4-YEAR DEGREE PROGRAMME (8-SEMESTER)**  
**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**

<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 & 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	Biochemistry/ Botany/	2+1	BIOC 422-423	Biochemistry/ Botany/	2+1
420-421	Zoology			Zoology	

### THIRD YEAR

<i>Fifth Semester</i>			<i>C.H.</i>	<i>Sixth Semester</i>			<i>C.H.</i>
MICB 500-501	Microbial Anatomy &	3+1	MICB 508-509	General Virology	3+1		
	Physiology		MICB 510-511	Bio-Statistics	3+1		
MICB 502-503	Bacterial Genetics	3+1	MICB 512-513	Environmental	3+1		
MICB 504-505	Mycology	3+1		Microbiology			
MICB 506-507	Soil Microbiology	3+1	MICB 514-515	Microbial Diagnostic	3+1		
				Chemistry			

### 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:

- i. Experiential High Energy Physics
- ii. Laser Spectroscopy
- iii. Neuro Physics
- iv. Condensed Matter and Materials Physics
- v. Semiconductor Physics
- vi. Ion Trapping
- vii. Nano Physics

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 of the following:

Kalhor Muhammad Siddique, **Meritorious Professor/ Pro Vice-Chancellor**  
M.Sc. (S.U.), Ph.D (London), 1999

Shaikh Nek Muhammad, **Professor & Director**  
M.Sc. 1993, Ph.D 2007 (QAU) Islambad

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-YEAR DEGREE PROGRAMME 8-SEMESTER CH-136**

Pre-requisite: H.S.C. Pre-Engineering/General Science Group with Maths & Physics, and Pre- Entry Test.

**FIRST YEAR**

<i>First Semester</i>			<i>Second Semester</i>		
		<i>C.H.</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
	(Compulsory)		PHYS 312-313	Mechanics-II &	3+1
PHYS 310-311	Mechanics-I, Waves	3+1		Thermodynamics	
	& Optics		MATH 322	Applied Mathematics-II	3
MATH 320	Applied Mathematics-I)	3	STAT 322+323	Statistics-II	2+1
	(Optional)		CHEM/GEOL	Chemistry/Geology	2+1
STAT 320-321	Statistics-I (Optional)	2+1	322-323		
CHEM/GEOL	Chemistry/Geology	2+1			
320-321	(Optional)				

**SECOND YEAR**

<i>Third Semester</i>			<i>Fourth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
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**

<i>Fifth Semester</i>			<i>Sixth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
PHYS 500	Methods of Mathematical	3	PHYS 508	Methods of Mathematical	3
	Physics-I			Physics-II	
PHYS 501	Modern Physics Lab-I	2	PHYS 509	Modern Physics Lab-II	1
PHYS 502	Classical Mechanics	3	PHYS 510	Thermal & Statistical	3
PHYS 503	Spectroscopy Lab	1		Physics	
PHYS 504	Electrodynamics-I	3	PHYS 511	Statistical Physics Lab	1
PHYS 505	Computer		PHYS 512	Electrodynamics-II	3
PROGRAMMEing	1		PHYS 513	Computer	
	Lab		PROGRAMMEing	1	
PHYS 506-507	Electronics	3+1		Lab	
			PHYS 514-515	Digital Electronics	3+1

**FOURTH YEAR**

<i>Seventh Semester</i>			<i>Eighth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
PHYS 600-601	Solid State Physics-I	3+1	PHYS 608	Solid State Physics-II	3
PHYS 602-603	Atomic & Molecular	3+1	PHYS 609	Lasers and X-Rays Lab	1
	Physics		PHYS 610-611	Nuclear Physics	3+1
PHYS 604-605	Computational Physics/	3+1	PHYS 612	Quantum Mechanics-II	3
	Medical Physics-I		PHYS 613	Computer	
PHYS 606	Quantum Mechanics-I	3	PROGRAMMEing	1	
PHYS 607	Detector Development Lab	1		Lab	
			PHYS 614	Condensed Matter	3
				& Materials Physics/Health	
				Physics/ParticlePhysics/	
				Plasma Physics	
			PHYS 614	Medical Physics-II	3
			PHYS 615	Health Physics Lab /	1
				Medical Physics Lab	
			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. IN PHYSICS 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66

**Pre-requisite:** H.S.C. Pre-Engineering, 2-years B.Sc. (Pass) with Physics, Mathematics (PURE) & Chemistry / Statistics as optional subjects; Pre- Entry Test.

#### PREVIOUS

First Semester		C.H.	Second 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	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 PROGRAMMEing 1		PHYS 513	Computer PROGRAMMEing 1	
PHYS 506	Electronics	3	PHYS 514	Digital Electronics	3
PHYS 507	Electronics Lab	1	PHYS 515	Digital Electronics Lab	1

#### FINAL

Third Semester		C.H.	Fourth Semester		C.H.
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	1	PHYS 611	Nuclear Physics Lab	1
			PHYS 612	Quantum Mechanics II	3

PHYS 604	Physics Lab Computational Physics / Medical Physics-I	3	PHYS 613	Computer PROGRAMMEing 1	
PHYS 605	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



## INSTITUTE OF PLANT SCIENCES

University of Sindh is the Second Oldest University of Pakistan. 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 was upgraded to **Institute of Plant Sciences** in 2008.

The faculty includes 01 Emeritus Professor, 03 Professors, 02 Associate Professors, 08 Assistant Professors, 03 Lecturers, 01 Curator-Cum-Lecturer and 02 Visiting Faculty. The Institute has well equipped Laboratories, Herbarium, Arboretum and two small Botanical Gardens.

The institute introduced M.Phil/Ph.D Programmes in 1965. After Chemistry, Botany is second discipline to award M.Phil and Ph.D degrees in the faculty of Natural Sciences. 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 30 Ph.D and 60 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 PROGRAMME leading to the Bachelor of Science / Master of Science and Master of Philosophy and the Doctor of Philosophy degrees in a variety of special areas including Plant Taxonomy, Physiology, Phycology, Mycology and Plant Pathology, Genetics, Paleobotany, Ecology and Environmental Studies. 4-year Forestry degree was introduced as Evening PROGRAMME from 2010 session, besides Postgraduate Diploma in Medicinal Plants.

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:

**Qureshi Sadaf Tabassum, Professor and Director**

M.Sc. (S.U.), M.Phil (QAU), Ph.D (QAU) 2010

**Pirzada Abdul Jabbar, Professor**

M.Sc. (SALU), M.Phil (S.U.) 2003, Ph.D (S.U.) 2008

**Memon Rabia Asma, Professor**

M.Sc. (SALU), Ph.D (SALU) 2005

**Abro Saeed Akhtar, Associate Professor**

M.Sc. (SALU), M.Phil (SALU) 2005, Ph.D (S.U.) 2017

**Bozdar Hadi Bux, Associate Professor**

M.Sc. (QAU), Ph.D (QAU) 2011

**Panhwar Mahjabeen, Assistant Professor**

M.Sc. (S.U.) 1993, Ph. D (SAU) 2017

**Khazada Amina Kabir, Assistant Professor**

M.Sc. (SALU), Ph.D (SU) 2011

**Soomro Noor Ul Ain, Assistant Professor**

M.Sc. (S.U.) 2004, Ph.D (SU) 2017

**Shah Nabila, Assistant Professor**

M.Sc. (S.U.) 2004, Ph.D (S.U.) 2018

**Mangi Jamaluddin, Assistant Professor**

M.Sc. (S.U.) 2001, Ph.D (S.U.) 2019

**Khazada Samina Kabir, Assistant Professor (Adhoc)**

M.Sc. (SALU), Ph.D (S.U.)

**Ujjan Aziz Ahmed, Assistant Professor**

M.Sc. (QAU) 2000, Ph.D (KU) 2011

**Korejo Mai Farzana Bibi, Assistant Professor**

M.Sc. (S. U) 1997, M.Phil (S.U.) 2009, Ph.D (KU) 2015

**Bughio Farooque Ali, Assistant Professor**

M.Sc. (S.U.) 2007, Ph.D (S.U.) 2018

**Jakhar Ali Murad, Lecturer (On Study Leave)**

M.Sc. (SALU) 1999

**Jamali Abdul Rauf, Lecturer**

BS (S.U.) 2010, MS (S.U.) 2017

**Lashari Zubeda, Curator-Cum-Lecturer**

M.Sc. (S.U.) 2007



**BS (BOTANY): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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. IN BOTANY 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-72**

Pre-requisite: B.Sc. (Pass) degree with Botany as one of the elective subjects; Pre-Entry Test.

<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 Plants2+1	
MBOT 510-511	Plant Systematics	2+1
ENGL 540	Remedial English	





<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.

**BS (FORESTRY): 4-YEAR EVENING DEGREE PROGRAMME (8-SEMESTER) CH-136**

Pre-requisite: H.S.C. With Pre-Medical Group: Pre-entry Test

**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
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**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 (02 SEMESTER) 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 archaeological sites which are being destroyed by human 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 of the following: -

**Shar Manik Mustafa, Assistant Professor (Archaeology) and Incharge**  
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

**ShahSyed Muhsat Ali, Assistant Professor (Anthropology)**  
M.Sc. Anthropology (QAU) 2005, M.Phil (S.U.) 2016 (Abroad for Ph.D)

**Suneel Kumar, Lecturer (Anthropology)**  
M.Sc. Anthropology (QAU) 2007, M.Phil (QAU) 2016 (Abroad for Ph.D)

**Wassan Muhammad Rafique, Lecturer (Anthropology)**  
MSc Anthropology (QAU) 2004, (Abroad for Ph.D)

**Jatt Zahida Rehman, Lecturer (Anthropology)**  
BS Anthropology (S.U.) 2011, (Abroad for Ph.D)

**Soomro Umbreen, Lecturer (Anthropology)**  
M.Sc. Anthropology (QAU) 2012

**Syed Ali Taqui Shah, Lecturer (Anthropology)**  
BS Anthropology (S. U) 2012, M.Phil (QAU) 2017

**Quratulain, Teaching Assistant**  
BS Archaeology (S. U) 2015

**Salman Ahmed, Teaching Assistant**  
M.Sc. Anthropology (QAU) 2013

### BS ANTHROPOLOGY & ARCHAEOLOGY: 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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 was first conceived as a section of the Department of Zoology. Then in 1973, the Department of Fresh Water Biology and Fisheries was established as an independent department at Allama I.I Kazi Campus, Jamshoro.

Initially sharing accommodation with Department of Botany, the Department shifted to its new building in January 1993. Since then it has further expanded with addition of new labs and Classrooms.

The Department offers BS (4-Year PROGRAMME), M.Sc. (2-Year PROGRAMME), M.Phil and Ph.D degree programmes by course and research. It has produced more than 50 M.Phil and 20 Ph.D scholars since its inception and at present the number of registered for M.Phil scholars is more than Forty-Five while for Ph.D degree, Twenty Scholars.

The mission of the department is to provide well qualified personnel to the market related to fisheries and fish farming, aquatic ecology and fisheries technology in Government and Private Sectors.

### The teaching faculty comprises of the following: -

**Abbasi Abdul Rasool, Professor**

M.Sc. (S.U.) 1983, Ph.D (Wales, UK) 1990

**Baloch Wazir Ali, Professor**

M.Sc. (S.U.) 1987, MS (Japan) 1995, Ph.D (Kagoshima, Japan) 1998

**Narejo Naeem Tariq, Professor & Chairman**

M.Sc. (S.U.) 1987, M.Phil (S.U.) 1997, Ph.D (Dhaka, Bangladesh) 2003

**Mahar Mukhtar Ahmed, Professor**

M.Sc. (S.U.) 1995, Ph.D (S.U.) 2004

**Lashari Khalid Hussain, Professor**

M.Sc. (S.U.) 1995, M.Phil (S.U.) 2002, Ph.D (S.U.) 2009

**Soomro Anila Naz, Professor**

M.Sc. (S.U.) 1998, MS (Japan) 2007, Ph.D (Kagoshima, Japan) 2010

**Laghari Muhammad Younis, Associate Professor**

M.Sc. (S.U.), M.Phil (S.U.) 2008, Ph.D (Beijing, China) 2014

**Lashari Punhal Khan, Associate Professor**

M.Sc. (S.U.), M.Phil (S.U.) 2008, Ph.D (Beijing, China) 2014

**Baradi Waryani, Associate Professor**

M.Sc. (S.U.), M.Phil (K.U) 2008, Ph.D (Beijing, China) 2014

**Kalhor Hameeda, Associate Professor**

M.Sc. (S. U) 2010, Ph.D (China) 2018

### BS FRESH WATER BIOLOGY & FISHERIES: 04 YEAR PROGRAMME (8-SEMESTER) (136)

Pre-requisite; H.S.C. with Pre-Medical Group: 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	
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

Third Semester			C.H.	Fourth Semester			C.H.
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



<b>Fifth Semester</b>			<b>C.H.</b>	<b>Sixth Semester</b>			<b>C.H.</b>
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	

#### FOURTH YEAR

<b>Seventh Semester</b>			<b>C.H.</b>	<b>Eighth Semester</b>			<b>C.H.</b>
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	

**Elective courses:** -Any one to be offered CH-(3+1)

FWBF 604-605 Elective 1-3\*

- Integrated Fish Farming
- Aquatic Toxicology
- Inland Fisheries Management

FWBF 606-607 Elective 1-3\*\*

- Fish Behaviour
- Fish Post Harvest Technology
- Endocrinology

FWBF 614-615 Elective 1-3\*\*\*

- Water Quality Management
- Ecotoxicology
- Fisheries Science
- Aquaculture
- Lake Management

*\*Odd numbered courses are Lab courses/Practicals*

#### **M.SC. IN FRESH WATER BIOLOGY AND FISHERIES 2-YEAR DEGREE PROGRAMME (4-SEMESTER) 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





## 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 on the Allama I. I. Kazi Campus, Jamshoro in 1970.

The Department offers BS and M.Sc. degree Programmes. Some of the special courses offered in the Department are: Environmental Geography, Soil and Water Analysis, Geographical Information System (GIS), Remote Sensing (RS). Recently a new course Digital Cartography has been introduced.

It has full-fledged Computer Lab., Cartographic Lab., and Geo-Physical Lab. Its seminar library contains more than 3500 books.

### The teaching faculty comprises of the following:

**Junejo Shafique Ahmed, Professor and Chairman**

M.Sc. (S. U) 1996, M.Phil (Peshawar) 2008, Ph.D (China) 2015

**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

**Rahoojo Saadullah, Lecturer**

M.Sc. (S.U.) 2004

### BS (GEOGRAPHY): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-140

Pre-requisite: H.S.C. with Pre-Engineering / Pre-Medical/General Science Group; Pre-entry Test.

#### FIRST YEAR

First Semester			Second Semester		
		C.H.			C.H.
ENGL 300	English	3	ENGL 301	English	3
MATH 300	Mathematics	3	MATH 301	Mathematics	3
PKST 300	Pakistan Studies	2	ISST/ETHS 301	Islamic Studies/Ethics	2

GEOG 310	Fundamentals of Geography-I	3	GEOG 312	Physical Geography	3
GEOG 311	Lab	1	GEOG 313	Lab	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	3		ENGL 402	English	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 (Minor)	3			Minor-II (Minor)	3	

#### THIRD YEAR

Fifth Semester			C.H.	Sixth Semester			C.H.
GEOG 500	History and Development of Geographic Thought	3		GEOG 510	Quantitative 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

Seventh Semester			C.H.	Eighth Semester			C.H.
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GEOG 600	Geographical Information Sciences	3	GEOG 620	Field Study	6	<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
GEOG 601	Lab.	1	GEOG 622	Population Geography	3	GEOG 600	Geographical Information Sciences	GEOG 620	Field Study
GEOG 602	Remote Sensing	3	GEOG 624	Hydro Geography	3	GEOG 601	Lab	GEOG 622	Population Geography
GEOG 603	Lab.	1	GEOG 626	Agricultural Geography	3	GEOG 602	Remote Sensing	GEOG 624	Hydro Geography
GEOG 604	Desert Morphology	3	GEOG 630	Zoo Geography	3	GEOG 603	Lab	GEOG 626	Agricultural Geography
GEOG 608	Plant Geography	3	GEOG 640	Comprehensive Viva Voce	2	GEOG 604	Desert Morphology	GEOG 630	Zoo Geography
GEOG 614	Digital Cartography	3				GEOG 608	Plant Geography	GEOG 640	Comprehensive Viva Voce
GEOG 615	Lab.	1				GEOG 614	Digital Cartography		
						GEOG 615	Lab.		

**M.SC. (GEOGRAPHY): 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-74**

Pre-requisite: Bachelor of Science (Pass) degree in subject.

**M.Sc. (Previous)**

<b>First Semester</b>	<b>C.H.</b>	<b>Second Semester</b>	<b>C.H.</b>
GEOG 500	History and Development of Geographic Thought	GEOG 510	Quatitative Geography
GEOG 502	Principles of Cartography	GEOG 511	Adv. Quantitative Techniques (Lab)
GEOG 503	Cartographic Techniques	GEOG 512	Environmental Geography
GEOG 504	Geomorphology	GEOG 513	Soil & Water Analysis
GEOG 505	Identification of Rocks & Minerals (Lab)	GEOG 514	Economic Geography
GEOG 506	Climatology	GEOG 515	Advanced Cartographic Techniques
GEOG 507	Interpretation of Weather Maps (Lab)	GEOG 516	Research Methods
GEOG 508	Oceanography	GEOG 518	Regional Concepts

**M.Sc. (Previous)**



## 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 one outside medical colleges/universities in Pakistan. This is serving the nation by teaching and research Programmes at basic level, 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 objectively playing 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 for the people abroad.

Presently we offer **BS-Physiology**, **BS-Medical Laboratory Technology**, and M.Sc., at undergraduate level and **MS/M.Phil and Ph.D.** Programmes with special interests in the fields of Endocrinology, Reproductive Physiology, Histo and Patho-Physiology, Neuro-Physiology, Haematology, Pharmacology, Toxicology, Molecular Biology and Epidemiology.

### Mission

The department's 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 recongnized at national and global levels 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.

### The teaching faculty comprises of 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

**Zai Jawed Ahmed, Assistant Professor**

M.Sc. Physiology (S. U) 1999, M.Phil. (QAU, Islamabad) 2011

**Khand Aftab Ahmed, Assistant Professor**

M.Sc. Physiology (S.U.) 1999, Ph.D. (Tsinghua University, Beijing, China) 2021

**Samo Ayaz Ali, Assistant Professor (TTS & HEC Approved Supervisor)**

BS Physiology (S.U.) 2007, MS (CW) 2012, Ph.D. (Beijing Normal University, China) 2018

**Samoo Atta Muhammad, Lecturer (on study leave)**

M.Sc. Physiology (S.U.) 2005

**Baloch Farzana Gul, Lecturer**

BS Physiology (S.U.) 2007, M.Phil. (Physiology) 2020

**Khoso Ghulam Murtaza, Lecturer**



BS Physiology (S.U.) 2013

**BS (PHYSIOLOGY): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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	ENG 301	English- II
PKST 300	Pakistan Studies	ISST/ETHS 301	Islamic Studies / Ethics
STAT/MATH 300	Biostatistics-I/ Mathematics- I	STAT/MATH 301	Biostatistics-II / Mathematics- II
PHSL 310-311	Cell Biology I	PHSL 314-315	Cell Biology-II
PHSL 312-313	Functional Anatomy & Physiology-I	PHSL 316-317	Functional Anatomy & Physiology- II
BIOC 320-321	Biochemistry-I	BIOC 322-323	Biochemistry-II
ZOO/FWB/BIOT/ IPS 320-321	Functional Anatomy & Physiology-I	ZOO/FWB/ BIOT IPS 322-323	Functional Anatomy & Physiology II

**SECOND YEAR**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
ENG400	English- III	ENG401	English- IV
CVZ 400	Civilization	ENVS 401	Environmental Science
PHSL 410-411	Physiology of blood & body fluids	PHSL 414	Introduction to Bioinformatics
PHSL 412-413	Plant Physiology	PHSL 416-417	Neuro-muscular Physiology
BIOC 420-421	Biochemistry-III	PHSL 418-419	Principles of Immunology
ZOO/FWB/ BIOT/IPS 420-421	Cell Biology	BIOC 422-423	Biochemistry-IV
		ZOO/FWB/BIOT IPS 422-423	General Physiology

**THIRD YEAR**

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
PHSL 500-501	Molecular Biology	PHSL 510-511	Endocrinology
PHSL 502-503	Cardiovascular System	PHSL 512-513	Reproductive & Developmental Physiology
PHSL 504-505	Pulmonary Physiology	PHSL 514-515	Physiology of Special Senses
PHSL 506-507	Renal Physiology	PHSL 516-517	Comparative Animal Physiology
PHSL 508-509	Gastroenteropancreatic Physiology	PHSL 518-519	Toxicology

**FOURTH YEAR**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
PHSL 600-601	Pharmacology	PHSL 610-611	Patho-Physiology
PHSL 602-603	Environmental Physiology	PHSL 612-613	Behavioral Physiology
PHSL 604-605	Physiology of Health, Fitness and Exercise	PHSL 614-615	Hematology
PHSL 606-607	Physiological Biotechnology	PHSL 616	Internship/Project
PHSL 608	Research Methodology	PHSL 618	Comprehensive Viva-Voce

**BS (MEDICAL LABORATORY TECHNOLOGY) (MLT): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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	ENG 300	English-II
PKST 300	Pakistan Studies	ISST 300	Islamic Studies
MLT 301	Biostatistics	MLT 310-311	Cell Biology-II
MLT 302-303	Cell Biology-I	MLT 312-313	General Microbiology
MLT 304-305	Functional Anatomy & Physiology-I	MLT 314-315	Functional Anatomy & Physiology-II
MLT 306-307	Laboratory Techniques-I	MLT 316-317	Laboratory Techniques-II
MLT 308-309	Bio-Chemistry-I	MLT 318-319	Bio-Chemistry-II



## SECOND YEAR

<i>Third Semester</i>			<i>Fourth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
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

<i>Fifth Semester</i>			<i>Sixth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
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

<i>Seventh Semester</i>			<i>Eighth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
MLT 602	Behavioral Sciences	3	MLT 610	Laboratory Internship / House Job	12
MLT 604	Research Methodology	3			
MLT 606	Research Project	9			
MLT 608	Comprehensive Viva-Voce	3			

## M.SC. IN PHYSIOLOGY: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) 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

<i>First Semester</i>			<i>Second Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
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
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

## FINAL

<i>Third Semester</i>			<i>Fourth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
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



## 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 the 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 are enrolled for MS/M.Phil 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.

Actuaries decide as to what amount of money a policy holder should pay as premium or what sum should be given as pension amount or returns by the company. They calculate insurance risks and premiums. The job of an actuary is to assess the financial impact of an uncertain future event. They are financial astrologers.

An actuary has to combine the skills of a statistician, economist and financier and employee techniques of probability, compound interest, law, marketing and management to predict the outcome of future contingencies and design solutions to lessen the financial severity of such events.

### **The teaching faculty comprises of 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-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-136**

Pre-requisite: - H.S.C. with Pre-Engineering/ General Science Group with Maths & Physics, 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
MATH 300	Mathematics I (P.E)	3
STAT 310	Statistics I	3
STAT 311	Statistics I (Lab.)	1
COMP 320	Computer Fundamental	2
COMP 321	Computer Fundamental (Lab.)	1
ECON 320	Basic Economics- I	3

<b>Second Semester</b>		<b>C.H.</b>
ENGL 301	English- II	3
PKST 301	Pakistan Studies	2
MATH 301	Mathematics- II (P.E)	3
STAT 312	Statistics- II	3
STAT 313	Statistics- II (Lab.)	1
COMP 322	Computer Application	2
COMP 323	Computer Application (Lab.)	1
ECON 322	Basic Economics- II	3

**SECOND YEAR**

<b>Third Semester</b>		<b>C.H.</b>
ENGL 400	English- III	3
CIVZ 400	Civilization	2
STAT 410	Applied Statistics I	3
STAT 411	Applied Statistics I (Lab.)	1
COMP 420	Computer Skills/Programming	2
COMP 421	Computer Skills/Programming (Lab.)	1
BUAD/PUAD 420	Business/Public Administration	3

<b>Fourth Semester</b>		<b>C.H.</b>
ENGL 401	English- IV	3
ENVS 400	Environmental Science	2
STAT 412	Applied Statistics II	3
STAT 413	Applied Statistics II (Lab.)	1
COMP 422	Computer Skills/Programming	2
COMP 423	Computer Skills/Programming (Lab.)	1
SOC/PSYC 422	Sociology/Psychology	3

**THIRD YEAR**

<b>5<sup>th</sup> Semester</b>		<b>C.H.</b>
STAT 500	Decision Theory (Optional)	3
STAT 501	Decision Theory (Optional) (Lab.)	1
STAT 502	Probability & Probability Distribution-I	3
STAT 503	Probability & Probability Distribution-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	Linear Model & Reg. Analysis (Optional)	3
STAT 509	Linear Model & Reg. Analysis (Optional) (Lab.)	1
STAT 510	Probability & Probability Distribution-II	3
STAT 511	Probability & Probability Distribution-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

**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

8 <sup>th</sup> Semester		C.H.
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

### 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

7 <sup>th</sup> Semester		C.H.
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

8 <sup>th</sup> Semester		C.H.
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

7 <sup>th</sup> Semester		C.H.
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

8 <sup>th</sup> Semester		C.H.
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	Queueing Models	3
STAT 615	Queueing Models Lab.	1
STAT 616	Research Project/Comprehensive Viva-Voce	2

\* odd number courses are Labs

### Population Sciences

#### FOURTH YEAR

7 <sup>th</sup> Semester		C.H.
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.)	1

8 <sup>th</sup> Semester		C.H.
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	Population and Environment (PS)	3
STAT 613	Population and Environment (PS) (Lab.)	1
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. IN STATISTICS: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-70

Pre-requisite: -B.Sc. (Pass) degree with Mathematics/ Statistics as elective subject.

#### M.Sc. (Prev.)

5 <sup>th</sup> Semester		C.H.
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

6 <sup>th</sup> Semester		C.H.
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)

7 <sup>th</sup> Semester		C.H.
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
8 <sup>th</sup> Semester		C.H.
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. IN ACTUARIAL SCIENCES: 02-YEAR DEGREE PROGRAMME (4-SEMESTER) 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 or Post-graduate students with 50% Marks in Mathematics, Statistics, Econometrics, 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 had been imparting instructions for the 3-year B.Sc. (Hons.) courses and one/ two year M.Sc. Degree Programmes. 4-year BS PROGRAMME has been introduced since 2003. 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 55 Ph.Ds. and 160 M.Phils. since its inception. Present enrolment in the Department is 1030 including M.Phil / Ph.D students. Over thousand research publications has been published by the faculty members in HEC recognized national and international Journals.

Currently HEC (NRPU) five research projects are running under the Principal Investigation of Prof.Dr. Tahira Jabeen, Dr. Riffat Sultana, Dr. Nadir Ali Birmani, Dr. Saima Naz and Dr. Jawaid Ahmed Khokhar.

The Department has been progressing steadily and at present it is the second largest department in the Faculty of Natural Sciences, University of Sindh.

### The teaching faculty comprises of the following:

Presently the teaching faculty comprises: 01 Professor Meritorious, 03 Professors, 04 Associate Professor, 08 Assistant Professors and 02 Lecturers.

**Ursani Tahira Jabeen, Professor and Chairperson**  
M.Sc. (S.U.) 1989, M.Phil (S.U.) 1991, Ph.D (S.U.) 2014

**Gachal Ghulam Sarwar, Professor Meritorious**  
M.Sc. (S.U.) 1989, Ph.D (U.K) 2002

**Baloch Naheed, Professor**  
M.Sc. 1994, Ph.D (S.U.) 2002

**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

**Birmani Nadir Ali, Associate Professor**  
M.Sc. (S.U.) 2005, Ph.D (S.U.) 2011

**BughioBarkat 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

**MalikSamina, Assistant Professor**  
M.Sc. (S. U) 1993, M.Phil (S.U.) 2014

**Samina 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

**Shaikh Kalsoom, Assistant Professor**  
M.Sc. (S.U.) 2008, Ph.D (S.U.) 2015

**Khokhar Jawaid, Assistant Professor**  
M.Sc. (S. U) 2001, M.Phil (S.U.) 2008, Ph.D (S.U.) 2017

**Shah Naheed, Assistant Professor**  
M.Sc. (S.U.) 2004, M.Phil (S.U.) 2016

**Jahejo Noshen, Assistant Professor**  
M.Sc. (S.U.) 2004, M.Phil (S.U.) 2014

**Shaikh Farheen, Lecturer**  
M.Sc. (S.U.) 2000

**Karmoon Lal, Lecturer**  
M.Sc. (S.U.) 2010



**BS (ZOOLOGY): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) CH-133**

Pre-requisite: - H.S.C. with Pre-Medical, / General Science Biology Group, Pre-Entry Test

**FIRST YEAR**

<b>First Semester</b>		<b>C.H.</b>
ENGL 300	English I (Compulsory)	3
PKST 300	Pakistan Studies (Compulsory)	2
MATH 300	Mathematics (Compulsory)	3
ZOOL 310-311	Principle of Animal Life	3+1
BOTN 320-321	Botany	2+1
PHYSO/FWBF/ CHEM/ BIOCHEM 320-321	Physiology/F-W.Biology/Chemistry/Biochemistry	2+1

<b>Second Semester</b>		<b>C.H.</b>
ENGL 301	English- II (Compulsory)	3
ISST/ETHS 301	Islamic Studies/ Ethics (Compulsory)	2
BIOSTA 306-307	Biostatistics (Compulsory)	2+1
ZOOL 312- 313	Principle of Animal Life	3+1
BOTN 322- 323	Botany	2+1
PHYSO/FWBF/CHEM/ BIOCHEM322-323	Physiology/F-W.Biology/Chemistry/ Biochemistry	2+1

**SECOND YEAR**

<b>Third Semester</b>		<b>C.H.</b>
ENGL 400	English- III (Compulsory)	3
COMPU 406-407	Introduction to Computer (Compulsory)	1+2
ZOOL 410- 411	Animal Diversity: Invertebrates	3+1
BOTN 420- 421	Botany	2+1
PHYSO/FWBF/CHEM/ BIOCHEM420-421	Physiology/F-W.Biology/Chemistry/ Biochemistry	2+1

<b>Fourth Semester</b>		<b>C.H.</b>
ENGL 401	English- IV (Compulsory)	3
ZOOL 412- 413	Animal Diversity: Vertebrates	3+1
ZOOL 414- 415	Animal Form & Function-I	3+1
ZOOL 416- 417	Animal Form & Function-II	3+1
BOTN 422- 423	Botany	2+1

**THIRD YEAR**

<b>Fifth Semester</b>		<b>C.H.</b>
ZOOL 500-501	General Biochemistry	3+1
ZOOL 502-503	Cell & Molecular Biology	3+1
ZOOL 504-505	Physiology	3+1
ZOOL 506-507	Animal Behaviour	2+1
PSYC 522	Psychology	2

<b>Sixth Semester</b>		<b>C.H.</b>
ZOOL 508-509	Biological Techniques	1+2
ZOOL 510-511	Evolution & Principles of Systematics	2+1
ZOOL 512-513	Developmental Biology	3+1
ZOOL 514-515	Genetics	3+1
ZOOL 516	Wildlife	2





#### FOURTH YEAR

<b>Seventh Semester</b>	<b>C.H.</b>
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ZOOL 600-601	Environmental Biology	3+1
ZOOL 602-603	Zoogeography & Palentology	2+1
ZOOL 604-605	Special Paper-I	2+1
ZOOL 606-607	Special Paper-II	3+1
ZOOL 608	Research Methodology	2

<b>Eighth Semester</b>	<b>C.H.</b>
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ZOOL 610-611	Bioinformatics & Biotechnology	3+1
ZOOL 612-613	Immunology & Economic Zoology	2+1
ZOOL 614-615	Special Paper-III	2+1
ZOOL 616-617	Special Paper-IV	3+1
ZOOL 618	Research Project	3

#### M.Sc. (PASS) ZOOLOGY: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66

Pre-requisite: -B.Sc. (Pass) degree with Zoology as one of the elective subjects, Pre-Entry Test.

#### M.Sc. (Previous)

<b>First Semester</b>	<b>C.H.</b>
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ENG	Remedial English	NC
ZOOL 500-501	General Biochemistry	3+1
ZOOL 502-503	Cell & Molecular Biology	3+1
ZOOL 504-505	Physiology	3+1
ZOOL 506-507	Animal Behaviour	2+1
PSYC 522	Psychology	2

<b>Second Semester</b>	<b>C.H.</b>
------------------------	-------------

ENG	Remedial English	NC
ZOOL 508-509	Biological Techniques	1+2
ZOOL 510-511	Evolution & Principles of Systematics	2+1
ZOOL 512-513	Developmental Biology	3+1
ZOOL 514-515	Genetics	3+1
ZOOL 516	Wildlife	2

#### M.Sc. (Final)

<b>Third Semester</b>	<b>C.H.</b>
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ZOOL 600-601	Environmental Biology	3+1
ZOOL 602-603	Zoogeography & Palentology	2+1
ZOOL 604-605	Special Paper-I	2+1
ZOOL 606-607	Special Paper-II	3+1
ZOOL 608	Research Methodology	2

<b>Fourth Semester</b>	<b>C.H.</b>
------------------------	-------------

ZOOL 610-611	Bioinformatics & Biotechnology	3+1
ZOOL 612-613	Immunology & Economic Zoology	2+1
ZOOL 614-615	Special Paper-III	2+1
ZOOL 616-617	Special Paper-IV	3+1
ZOOL 618	Research Project	3

\*Odd numbered courses are Lab courses/Practicals



## 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 offered

**Doctor of Pharmacy (Pharm-D)**

***5 year Degree Programme***



**Prof. Dr. Abdullah Dayo**  
Dean  
Ph.D. (China)





## 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.

**Dayo Abdullah, Meritorious Professor & Dean**

B.Pharm. (S.U.) 1986, M.Pharm. (Punjab) 1988, Ph.D (China) 1996

**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**

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 (On Study Leave)**

B. Pharm. (S. U) 1998, M.Phil (S.U.) 2013

**Qureshi Yasmeen, Lecturer**

Pharm D (S.U.) 2011

**Khan Tooba, Lecturer**

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**

Pharm D (S.U.) 2008

## 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.) 2007, 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, Lecturer**

Pharm D (S.U.) 2010

## 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, M.A. (S.U.) 2007, Ph.D (S.U.) 2013



Araun 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  
Pharm D (S.U.) 2011

Nargis Saharan, Lecturer  
Pharm D (S.U.) 2016

## DOCTOR OF PHARMACY (PHARM-D) MORNING & EVENING PROGRAMME

### 5- Year Degree PROGRAMME (10-Semester) CH-198

Pre-requisite: H.S.C.: Pre-Medical with at least 60% aggregate score.

Curricula for this **5- Year 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 322	Pharmaceutical Chemistry-IB (Organic) Th	3
PHARM 323	Pharmaceutical Chemistry-IB (Organic)Lab	1
PHARM 324	Pharmaceutical Chemistry-IB (Biochemistry) Th	3
PHARM 325	Pharmaceutical Chemistry-IB (Biochemistry) Lab	1
PHARM 326	Physiology-B Th	3
PHARM 327	Physiology-B Lab	1

#### SECOND YEAR

Third Semester		C.H.
IS 402	Islamic Studies	3
PHARM 410	Pharmaceutics-II A (Dosage Form Science-I) Th	3
PHARM 411	Pharmaceutics-II A (Dosage Form Science-I) Lab	1
PHARM 412	Pharmaceutics-III A (Pharmaceutical Microbiology & Immunology-I) Th	3
PHARM 413	Pharmaceutics-III A (Pharmaceutical Microbiology & Immunology-I) Lab	1
PHARM 414	Pharmacology and Therapeutics-IA Th	3
PHARM 415	Pharmacology and Therapeutics-IA Lab	1
PHARM 416	Pharmacognosy-IA (Basic) Th	3
PHARM 417	Pharmacognosy-IA (Basic) Lab	1
PHARM 418	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3

Fourth Semester		C.H.
PS 403	Pakistan Studies	2
PHARM 420	Pharmaceutics-II B (Dosage Form Science-II) Th	3
PHARM 421	Pharmaceutics-II B (Dosage Form Science-II) Lab	1
	Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology-II) Th	3
PHARM 423	Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology-II) Lab	1
PHARM 424	Pharmacology and Therapeutics-IB Th	3
PHARM 425	Pharmacology and Therapeutics-IB Lab	1
PHARM 426	Pharmacognosy-IB (Basic)Th	3
PHARM 427	Pharmacognosy-IB (Basic)Lab	1
PHARM 428	Pharmacy Practice-IB (Bio-statistics)	3

#### THIRD YEAR



<b>Fifth Semester</b>		<b>C.H.</b>
PHARM 510	Pharmacy Practice-IIA (Dispensing Pharmacy) Th	3
PHARM 511	Pharmacy Practice-IIA (Dispensing Pharmacy) Lab	1
PHARM 512	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis-I) Th	3
PHARM 513	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis-I) Lab	1
PHARM 514	Pharmacology and Therapeutics-IIA Th	3
PHARM 515	Pharmacology and Therapeutics-IIA Lab	1
PHARM 516	Pharmacognosy-IIA (Advanced) Th	3
PHARM 517	Pharmacognosy-IIA (Advanced) Lab	1
PHARM 518	Pathology Th	3
PHARM 519	Pathology Lab	1

<b>Sixth Semester</b>		<b>C.H.</b>
PHARM 520	Pharmacy Practice-IIB (Community, Social & Administrative Pharmacy) Th	3
PHARM 522	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis-II) Th	3
PHARM 523	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis-II) Lab	1
PHARM 524	Pharmacology and Therapeutics-IIB Th	3
PHARM 525	Pharmacology and Therapeutics-IIB Lab	1
PHARM 526	Pharmacognosy-IIB (Advanced) Th	3
PHARM 527	Pharmacognosy-IIB (Advanced) Lab	1
	Pharmacy Practice-III (Computer and its Applications in Pharmacy) Th	3
PHARM 529	Pharmacy Practice-III (Computer and its Applications in Pharmacy) Lab	1

#### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
PHARM 610	Pharmacy Practice-IVA (Hospital Pharmacy-I) Th	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

<b>Eighth Semester</b>		<b>C.H.</b>
PHARM 620	Pharmacy Practice-IVB (Hospital Pharmacy-II) Th	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 (Biopharmaceutics & Pharmacokinetics-II) Th	3
PHARM 627	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics-II) Lab	1
PHARM 628	Pharmaceutics-VIB (Pharmaceutical Quality Management-II) Th	3
PHARM 629	Pharmaceutics-VIB (Pharmaceutical Quality Management-II) Lab	1

#### FIFTH YEAR

<b>Ninth Semester</b>		<b>C.H.</b>
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-I) 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

<b>Tenth Semester</b>		<b>C.H.</b>
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-VIIIB (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 was established in 1989, following division of the former Faculty of Arts into present Faculties of Arts, Commerce & Business Administration, Education, Islamic Studies, Law & Social Sciences, with Prof. G.H. Khaskheli as the first Dean of the Faculty. This is the Second largest Faculty of the University. The Faculty has been actively involved with research. The journal of the Faculty of Social Sciences is a regular publication. The 3-yr Honours degree programmes offered earlier by the Faculty have been changed to 4-yr Bachelor degree programmes, effective from 2006 session. Two years, Master Degree programme is also continuing. Classes in all disciplines are held in the morning session, except for Public Administration, Criminology and Media & Communication Studies where Evening programmes are also conducted.

## CENTRE/INSTITUTE/DEPARTMENTS

01. Abida Taherani Sindh Development Study Centre
02. Institute of Gender Studies
03. Department of Economics
04. Department of General History
05. Department of International Relations
06. Department of Library and Info. Sci. & Archive St.
07. Department of Media & Commun. Studies
08. Department of Political Science
09. Department of Psychology
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

## DISCIPLINES

Criminology

Economics

General History

Gender Studies

Home Economics

International Relations

Library & Information Science

Media & Communication Studies

Pakistan Studies

\*Public Administration

Psychology

Political Science

Rural Development Communication

Rural Development Studies

Social Work

Sociology

\* Admission on the basis of district wise urban/rural quota



**Prof. Dr. Zareen Abbasi**  
**Dean**  
Ph.D (KU)







## 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 of the following:**

**Memon Bashir Ahmed, Professor and Director**

M.A. (Mass Communication) (S.U.) 2000, Ph. D (U.K) 2011

**Khuhro, Rashid Ali, Lecturer**

M.A. (Hons) Mass Communication (S.U.) 2007

**Shaikh Sara Rehman, Lecturer**

M.A. (Mass Communication) (S.U.) 2002

### **BS (DEVELOPMENT COMMUNICATION): 4-YEAR DEGREE PROGRAMME (8 SEMESTER) CH-136**

Pre-requisite: H.S.C. or Equivalent, Pre-Entry Test.

#### **FIRST YEAR**

<i>First Semester</i>	<i>C.H.</i>
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

<i>Second Semester</i>	<i>C.H.</i>
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**

<i>Third Semester</i>	<i>C.H.</i>
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/IGSC/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. The centre is a part of internationally recognized University of Sindh, which is ISO certified university (ISO 9001:2015).

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 500 students; we are growing as an institution of advance 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.

### 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:

- a) *engage in the study of languages, literature, social structure, customs, attitudes and motivation, of the people of various regions of Pakistan;*
- b) *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;*
- c) *promote cooperation in inter-disciplinary relationship with other centres, teaching and research establishments;*
- d) *arrange conferences, seminars and refresher courses for the development of teaching and research; and*
- e) *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

Pakistan Study Centre also strives to improve its stature as an institution of broad 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 Programmemess. 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 Programmemess and conduct research to create new knowledge for the benefit of society.

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. 32 published articles are in the credit of Dr.Shuja Ahmed Mahesar, Professor and Director; 21 published articles are in the credit of Dr.Farzana Baloch, Professor; 16 published articles are in the credit of Mr.Mashooq Ali Khowaja, Assistant Professor.

## M.Phil & Ph.D RESEARCH

Professor Dr. Shuja Ahmed Mahesar has produced three Ph.D scholars and three M.Phil students.

The Pakistan Study Centre has produced four M.Phil degrees and ten Ph.D degrees. Three Ph.Ds and twelve 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 & HEC approved Supervisor & Editor Grassroots**  
M.Sc. (QAU) 2001, Ph.D (Pakistan Studies) (Royal Holloway, University of London, UK) 2012

Baloch, Farzana, Professor  
M.A. (SU) 1985, Ph.D (Pakistan Studies) (SU) 2012

Khowaja, Mashooq Ali, Assistant Professor  
M.A. (SU) 1997, M.Phil (QAU) 2002

Burfat, Irshad Ali, Teaching Assistant  
M.A. English (SU) 2008, M.A. Pakistan Studies (SU) 2015

## 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) (MORNING PROGRAMME): 4-YEAR DEGREE  
PROGRAMME (08-SEMESTER) CH-130**

Pre-requisite: Intermediate with 45% marks, Pre-Entry Test.

**FIRST YEAR**

<b>First Semester</b>		<b>C.H.</b>
PSC 300	English-I (Functional English)	3
PSC 301	Islamic Studies/Ethics	2
PSC 302	Basic Mathematics	3
PSC 303	Sindh (General-I)	3
PSC 304	Muslim Struggle for Pakistan (1857-1947)	3
PSC 305	Geography of Pakistan	3

<b>Second Semester</b>		<b>C.H.</b>
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**

<b>Third Semester</b>		<b>C.H.</b>
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

<b>Fourth Semester</b>		<b>C.H.</b>
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**

<b>Fifth Semester</b>		<b>C.H.</b>
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

<b>Sixth Semester</b>		<b>C.H.</b>
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



**M.A. IN PAKISTAN STUDIES (MORNING): 2-YEAR DEGREE PROGRAMME  
(04- SEMESTER) CH-80**

Pre-requisite: B.A. /B. Com/B.Sc. from HEC recognized University/Institution at least C Grade or Second Division, Pre-Entry Test.

**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 Firstsemester:

<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 Secondsemester:

<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.pk](http://www.pscsu.edu.pk)





## ABIDA TAHERANI SINDH DEVELOPMENT STUDIES CENTRE (ATSDSC)

Abida Taherani Sindh Development Studies Centre (ATSDSC) established in July 1985, provides undergraduate and postgraduate teaching in rural development economics and conducts socio-economics 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 exchange of teachers and training of staff. The Centre housed in its purpose-built building is equipped with State-of-the-Art resources, information unit, conference room, computer and audio-visual facilities. The Centre provides four categories of expert services, which include Graduate and Post-Graduate Degree Programmes, Academic Research Programmes, Applied Research and Information Sharing.

The Centre is offering M.Phil/Ph.D in Development Studies and has produced 16 Ph.D Scholars. At Present, 06 students are in Ph.D and 14 students in M.Phil are enrolled. ATSDSC has produced its eighth batch of BS four years Programme in Rural Development since 2009; This is a unique opportunity for the students, interested in acquiring fundamental knowledge of rural development issues, particularly related to socio-economic aspects of rural and agriculture-based economies, in Pakistan and around the globe. The Programme mainly emphasizes on theoretical, analytical and policy perspectives pertaining to agriculture, livestock, irrigation, fisheries, forests, gender and institutional aspects necessary for rural development.

### The teaching faculty comprises of the following:

**Mughal Shahabuddin, Professor and Director**

M.A. Economics (S.U.) 1987, LL.B (S.U.) 1989, PGD (University of London) 1992, Ph.D (University of Sindh) 2014

**Jariko Ghulam Ali, Professor**

M.A. Eco. 1989, M.P.A. 1987, M.Sc. Rural Dev. 1994 (S.U.), M.Sc. Agril. Econ (University of London) 1999 & Ph.D (S.U.) 2012

**Baloch Zareen Khan Rind, Assistant Professor**

M.B.A. (S. U) 1989 & M.Sc. Agril.Eco. (University of London) 1994

**Talpur Musharraf Ali, Assistant Professor**

M.Sc. Econ. (Q.A.U.) 1994 & M.Sc. Agril.Econ. (University of London) 1998

**Bughio Raheel Maroof, Assistant Professor**

M.Sc. Comm. Tech. (S.U.) 1998 & M.Sc. R.D (S.U.) 2002

**Baghal Ghazala, Lecturer**

M.A. Economics (S.U.) 2006

**Nosheen Abdul Raheem, Lecturer**

M.A. Economics (S.U.) 2005

### BS (RURAL DEVELOPMENT):4-YEAR DEGREE PROGRAMME (8-SEMESTERS) (CH-143)

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	3		ENG 301	English	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	Principles of Economics	3		RD 312	Major - Rural Change & Policy	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	3		ENG 401	English	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 Experience in Pakistan	3	
RD 410	Development & Sustainability	3			Minor- I	3	
	Minor- I	3			Minor- II	3	
	Minor- II	3					



### THIRD YEAR

First Semester			Second Semester		
		C.H.			C.H.
RD 501	Gender & Development	4	RD 551	Development Change & NGO	4
RD 502	Small Project Design	4			
RD 503	New Institutional Economics	4	RD 552	Micro Finance	4
			RD 553	Marketing System and Development	4
RD 504	Small Medium Enterprise	3			
RD 505	Basic Statistics and Mathematics	3	RD 554	Population, Health and Infrastructure	3
			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					

### M.Sc. IN DEVELOPMENT STUDIES: 2-YEAR 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
DS 501	Macro Economics-I
DS 502	Basic Mathematics & Statistics
DS 503	Development Economics
DS 504	Micro Economics-II
DS 505	Macro Economics-II
DS 506	Basic Econometrics

### M.Sc. (FINAL)

	C.H.
DS 600	Project Planning Monitoring & Evaluation
DS 601	Research Methodology
DS 602	Environmental Business in Development
DS 603	Agricultural Marketing
DS 620	Comprehensive Viva-Voce

#### B. (i) Elective Courses Requirements:

Any **ONE** course to be offered during First & Second Semester

	C.H.
DS 507	Agricultural Economics for Development
DS 508	Production Economics
DS 509	Computer Concepts & Application in Development

#### ii) Elective Courses Requirements in Final year:

Any **FOUR** courses to be offered in consultation with the Director

	C.H.
DS 604	Human Resource Development
DS 605	Gender Relations & Agrarian Change
DS 606	Economic Development in Pakistan
DS 607	Economics of Water Resources
DS 608	Development Policy of Pakistan
DS 609	Natural Resources Economics



**M.SC. IN RURAL DEVELOPMENT: 2-YEAR DISTANCE LEARNING OFF-CAMPUS DEGREE PROGRAMME CH-66**

Pre-requisite: - M.A. in Social Sciences or B.E. / B.Sc. Agri./ MBBS/DVM/BS four-year degree in related discipline.

The two year Programme is designed to develop professional skills in the field of Social and Economic 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)
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)
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 has 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 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.

### Education PROGRAMME

The ultimate goal of Institute of Gender Studies is to create awareness among women regarding their social, economic and legal rights and improve their status through formal and informal education. The inter disciplinary approach aims to build their confidence and to enhance their hidden skills and ability to face different challenges in different fields, and to provide high quality education at international level in gender studies. Moreover, to inspire and prepare the students for leadership positions with the understanding of the strategic value of their work, so they can effectively participate in the development of women and operation of the government and non-government organizations and to achieve successful careers in the fields to serve the nation, country, region and globe.

### Research Objective:

To conduct and promote scientific research and its application for the advancement of Gender Studies and in food and nutrition, and in rural and urban communities to

disseminate new knowledge through publications, conferences, seminars and workshops.

### Community Services:

To participate effectively in community services and provide a source of leadership and professional expertise for University, the Sindh Province, Pakistan and the region through continuing education Programmes, short courses, and consulting services by establishing close partnerships with the academia, civil societies, governments, non-governments and others, in order to develop and support socio-economic well-being in society of women. In the direction of meeting this mission, Institute of Gender Studies emphasizes standards of the highest quality in education, research, and community services.

### The teaching faculty comprises of the following:

#### Qureshi, Misbah Bibi, Professor and Director

M.Sc. 1995, M.Phil (S.U.) 2000, M.A. Gender Studies (Leeds, England) 2004 and Ph.D (Leeds, England) 2012,

#### Buriro, Ameer Ali, Assistant Professor

M.A. (Social Work) (S.U.) 2004, Ph.D Gender Studies (USM, Malaysia) 2020

#### Gopang, Najma, Lecturer

M.A. 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

M.B.A. Human Resource (S.U.) 2002, Ph.D (Gender Studies) (in progress)

### Teaching Assistant

#### Soomro Junaid Razzaque

M.Sc. International Relation (Q.U.I) 2013, M.Phil (Gender Studies) (in progress)

### BS (GENDER STUDIES): 4-YEAR DEGREE PROGRAMME (8-SEMESTERS) CH-134

Pre-requisite: - H.S.C. or equivalent. Pre Entry Test at least 45% Marks.



### FIRST YEAR

<b>First Semester</b>			<b>C.H.</b>	<b>Second Semester</b>			<b>C.H.</b>
ENG 300	English	3		ENG 301	English	3	
IS 302	Islamic Studies / Ethics for Non- Muslims	2		PS 303	Pakistan Studies	2	
COMP/ STAT 306	Computer Skills/ Statistics	3		COMP/ STAT 308	Computer Skills/ Statistics	3	
GS 310	Introduction to Gender Studies	3		GS 312	Women in Islam and the Contemporary World	3	
	Minor-I	3			Minor-I	3	
	Minor-II	3			Minor-II	3	

### SECOND YEAR

<b>Third Semester</b>			<b>C.H.</b>	<b>Fourth Semester</b>			<b>C.H.</b>
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 Civilization	3		RD/GES/ENVI 408	Rural Development/ General Science/Environmental Science	3	
GS 410	Gender & Education	3		GS 412	Violence against Women / Gender	3	
	Minor-I	3			Minor-I	3	
	Minor-II	3			Minor-II	3	

### THIRD YEAR

<b>Fifth Semester</b>			<b>C.H.</b>	<b>Sixth Semester</b>			<b>C.H.</b>
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

<b>Seventh Semester</b>			<b>C.H.</b>	<b>Eighth Semester</b>			<b>C.H.</b>
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 655	Women Technology &	3	

GS 605	Counseling for women in Distress	3	GS 660	Entrepreneurship General Viva-Voce (Compulsory)	3
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### M.SC. HOME ECONOMICS: 2-YEAR DEGREE PROGRAMME (4-SEMESTERS) CH-66

Pre-requisite: - B.Sc. Home Economics, Pre-Entry Test

### FIRST YEAR (PREVIOUS)

<b>First Semester</b>			<b>C.H.</b>
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	

<b>Second Semester</b>			<b>C.H.</b>
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)

<b>Third Semester</b>			<b>C.H.</b>
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 (Specialization in Food and Nutrition)	3+1
MHE 622-623	Advanced Dietetics-II (Specialization in Food and Nutrition)	3+1
MHE 624-625	Food Technology-II (Specialization in Food and Nutrition)	3+1
MHE 626	Institutional Management	4
MHE 630	Project & Comprehensive Viva- Voce(Specialization in Food and Nutrition)	4

**M.A. WOMEN DEVELOPEMENT STUDIES: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66**

Pre-requisite: - Bachelor Degree in any discipline preferably in Social Sciences, Pre-Entry Test.

**FIRST YEAR (Previous)**

<b>First Semester</b>		<b>C</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>		
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</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

**POSTGRADUATE DIPLOMA IN COMMUNITY DEVELOPMENT: 2- SEMESTER PROGRAMME (CH-34)**

Pre-requisite: - B.A/ B.Sc. in any discipline

		<b>C.H.</b>
CD 530	Introduction to Community Development-I	3
CD 532	Community Development in Rural and Urban Areas-I	3
CD 534	Income Generating PROGRAMME in Rural and Urban Areas-I	3
CD 536	Community Organization & Development-I	3
CD 550	Community Work and Organization-II	3
CD 552	Social Policy & Welfare Planning-II	3
CD 554	Rural & Urban Communities in South-II	3
CD 558	Management of Community-II3	





## 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 masters in economics.

### Teaching and Research

Besides teaching, the department also provides consultancy services and in-service training facilities. Faculty members are actively engaged in research and also provide research guidance to candidates enrolled for the degrees of M.Phil and Ph.D from 2008. The faculty has also been contributing regularly in the National/International journals of Economics and allied fields. Their publications cover studies in various branches of Economics. They have been participating in Seminars/Workshops at National level also. Department was also engaged in research project such as Social Audit of Governance and Delivery of Public Services in Pakistan funded by UNDP 2011-12.

### In-service Training

Short term refresher courses, seminars and lectures on current economic affairs are conducted at regular intervals in various branches of Economics. The faculty members of affiliated colleges generally benefit from training facilities offered by the department. The Department's Catalogued and air-conditioned Seminar library with over 8200 books, with seating capacity of 50 students at a time, provides access to latest publications and journals on various branches of Economics.

The courses have been so designed to equip students with theoretical background and research skills in economics so that the end product becomes capable of learning economics and financial analysis to suit their job requirements.

### The BS Degree

The BS Degree PROGRAMME of Economics requires a set of core courses in principles of economics, intermediate economics, calculus and statistics.

- The total course requirements for this degree are 130 credit hours 08 semesters.
- As a result, students pursuing the BS Degree have greater flexibility in choosing courses in the economics, including minors outside economics.
- The BS degree is more highly structured and requires a greater course load.
- The BS degree is more quantitatively and analytically oriented. In addition to the common core, the BS degree has additional required courses in finance, accounting, qualitative economics, mathematics, critical thinking and computer science.
- The BS degree is focused on preparing students for positions in corporate finance and the financial services sector of the economy, as evidenced by the required core of finance courses.

### AIMS OF THE VARIOUS PROGRAMMES

Programmes are designed to provide students with a foundation on which to continue developing their intellectual, aesthetic and moral capacities. Programmes and curricula of Department are based on the belief that a student's collective university experience should provide understanding and insight, which are the basis for an intellectual identity and lifelong learning.



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, and 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.

#### **Learning outcomes**

At the end of the courses of Economics and having completed the essential reading and activities students shall be able to:

- Define the main concepts and describe the models and methods used in economic analysis
- Formulate real world issues in the language of economic modeling
- Apply and use economic models to analyze these issues
- Assess the potential and limitations of the models and methods used in economic analysis

#### **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 of the following:**

**Khaskhelly Ambreen Zeb, Professor and Chairperson**  
M.Sc. (S.U.) 1999, M.A. (S.U.) 2002, M.Sc. (RD) 2003, Ph.D (SU) 2013

**Nanik Ram, Professor**  
M.A. (S.U.) 1989, M.Phil (SALU) 2002, Ph.D (SALU) 2010

**Chandio Rafique Ahmed, Professor (on Lien)**  
M.A. (S.U.) 1994, Ph.D (London, UK) 2006

**Mirza Albeena, Professor**  
M.A. (S.U.) 1989, Ph.D (SU) 2016

**Shaikh Najma, Professor**  
M.A. (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**  
M.A. (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**  
M.A. (S.U.) 1995



Talpur Urooj, Assistant Professor

M.A. (S.U.) 2000, Ph.D (S.U.) 2019

Khowaja Imdad Ali, Assistant Professor

M.A. (S. U) 1989, M.B. A 1994, M.Phil (S.U.) 2005, Ph.D (S.U.) 2012

Pasha Muhammad Ali, Assistant Professor

M.A. (SU) 2006, Ph.D (SALU, Khairpur) 2018

Bhutto Mehresh, Assistant Professor

M.A. (SU) 2008

Khushik Ali Gul, Assistant Professor

M.Sc. (Q.A.U) 2002, Ph.D (S.U.) 2017

Nizamani Abdul Rahman, Assistant Professor

M.A. (SU) 2009, Ph.D (Malaysia) 2018

### **BS (ECONOMICS): 4-YEAR DEGREE PROGRAMME (8-SEMESTERS) CH-130**

Pre-requisite: H.S.C. with Science/ Commerce OR Humanities group, with Economics & Pre-Entry Test.

#### **FIRST YEAR**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
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**

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
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
ECO 304 Issues in Pak Economy	3	ECO 309 Elective - I	3
ECO 305 Optional (Non-Economics)	3	ECO 310 Elective - II	3

#### **FOURTH YEAR**

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
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     |
| 23. Urban Economics                           | 24. Regional Economics                         |
| 25. Poverty and Economic Distribution         | 26. Energy Economics                           |
| 27. Economics of Educations                   | 28. Agricultural Economics                     |

**M.A. IN ECONOMICS 2-YEAR DEGREE PROGRAMME (4-SEMESTERS) CH-57**

Pre-requisite: Bachelor (Pass) degree preferably with Economics as one of the elective subjects. Pre-Entry Test

**M.A. (PREVIOUS)**

<b>FIRST &amp; SECOND SEMESTER</b>		<b>C.H.</b>
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

**M.A. (FINAL)**

<b>FIRST &amp; SECOND SEMESTER</b>		<b>C.H.</b>
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



## DEPARTMENT OF HISTORY

The Department of History is one of the oldest Departments of the University of Sindh. Initially this department was 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 of 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**  
M.A. History (S.U.) 1996

**Rehana Kausar, Lecturer**  
M.A. History (KU) 2001

**Jatoi Bashir Ahmed, Lecturer**  
M.Sc. History (QAU) 2007, M.Phil (QAU) 2014

**Khan Shafique Ahmed, Teaching Assistant**  
M.Sc. History (QAU) 2011, M.Phil (QAU) 2016

**Veesar, Koyal, Teaching Assistant**  
M.Sc. History (QAU) 2014

**BS (GENERAL HISTORY): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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/ENVII	Rural Development/	3	
GH 410	History of Europe (1453-1789)	4		GSC 408	Environmental Science/ General Science	4	
GH 450	Minor-I	3		GH 412	History of Europe(1789-1870)	4	
GH 450	Minor-II	3		GH 451	Minor-I	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	



<b>Sixth Semester</b>		<b>C.H.</b>
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**

<b>Seventh Semester</b>		<b>C.H.</b>
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
<b>Eighth Semester</b>		<b>C.H.</b>
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

#### **M.A. IN GENERAL HISTORY: 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-66**

Pre-requisite: Bachelor (Pass) degree, preferably with General History as one of the elective subjects. Pre-Entry Test

		<b>C.H.</b>
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 of the following:

Abbasi Ishrat Afshan, Assistant Professor  
M.A. (S. U) 1999, M.Phil (Q.A.U) 2012, Ph.D (University of Erfurt, Germany) 2018

Wadhvani Seema Kumari, Assistant Professor (on Ex Pakistan leave)  
M.A. (S.U.) 2000

Ghumro Ali Khan, Assistant Professor (on study leave)  
M.Sc. (Q.A.U) 1998, Ph.D (in Progress)

Sandano Imran Ali, Assistant Professor  
M.A. (S. U) 2006, M.Phil (National Defence University, Islamabad) 2011, Ph. D (Zhejiang University, China) 2017

Nizamani Siraj Ahmed, Assistant Professor  
M.Sc. (Q.A. U) 2007, M.Phil (Q.A.U) 2011, Ph.D (in Progress)

Leghari Farooque Ahmed, Assistant Professor  
M.Sc. (Q.A.U) 2005, Ph.D (University Kebangsaan Malaysia "University of Malaysia") 2019

Sahito Muhammad Shahban, Lecturer  
M.A. (S.U.) 2003

Hakro Humera, Lecturer  
BS International Relations (S.U.) 2010, Ph.D (in Progress)

### BS (INTERNATIONAL RELATIONS): 4-YEAR DEGREE PROGRAMME (8-SEMESTERS) CH-147

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

#### FIRST YEAR

<i>First Semester</i>	<i>C.H.</i>
ENG 300 English	3
IS/ET 302 Islamic Studies/Ethics for Non- Muslims	2
CS/STAT 306 Computer Skills/Statistics	3
IR 310 International Relations	4
Minor-I	3
Minor-II	3

<i>Second Semester</i>	<i>C.H.</i>
ENG 301 English	3
PS 303 Pakistan Studies	2
CS/STAT 308 Computer Skills/ Statistics	3
IR 312 International Relations	3
Minor-I	3
Minor-II	3

#### SECOND YEAR

<i>Third Semester</i>	<i>C.H.</i>
ENG 400 English	3
SIND/URD 402 Sindhi /Urdu	2
GS/GEOG/CIV406 General Mathematics/ Geography/ Civilization	3
IR 410 Diplomatic History of Int'l. Relations 1789-1918 - I	3
Minor-I	3
Minor-II	3

<i>Fourth Semester</i>	<i>C.H.</i>
ENG 401 English	3
SIND/URD 403 Sindhi/Urdu	2
RD/GS/ENVI 408 Rural Development/General Science/Environmental Science	3
IR 412 Diplomatic History of Int'l.Relations 1789-1918-II	4
Minor-I	3
Minor-II	3



### THIRD YEAR

<b>Fifth Semester</b>		<b>C.H.</b>
IR 501	Concepts and Principles of Int'l. Relations-I	4
IR 502	International Institutions	3
IR 503	International Political Economy-I	4
IR 504	Foreign Policy Analysis	3
IR 505	Diplomatic History of Int'l. Relations (1918 - 1945)	4

<b>Sixth Semester</b>		<b>C.H.</b>
IR 551	Concepts and Principles of Int'l. Relations-II	4
IR 552-A	International Humanitarian Law	3
IR 552-B	Human Rights in Int'l. Relations	3
IR 553	International Political Economy-II	4
IR 554	Foreign Policy of Pakistan	3
IR 555	Research Methodology	4

### FOURTH YEAR

<b>Seventh Semester</b>		<b>C.H.</b>
IR 601	Peace Studies	4
IR 602	Diplomacy and Statecraft-I	4
IR 603	Area Studies-I	3
IR 604	Fundamentals of Political Geography	4
IR 605	Ideologies and Ideological Movements in 20 <sup>th</sup> Century-I	3

<b>Eighth Semester</b>		<b>C.H.</b>
IR 651	Conflict Resolution: Theory and Practice	4
IR 652	Diplomacy and Statecraft –II	3
IR 653	Area Studies-II	3
IR 654	The Study of Comparative Politics	4
IR 655	Ideologies and Ideological Movements in 20 <sup>th</sup> Century-II	3
IR 660	Comprehensive Viva Voce	3

### MASTER OF ARTS IN INTERNATIONAL RELATIONS: 2-YEAR DEGREE PROGRAMME (4-SEMESTERS) CH-66

Pre-requisite: Bachelor (Pass) degree, preferably with International Relations as one of the elective subjects, Pre-Entry Test.

IR 501-551	Concept & Principles of International Relations	3+3
IR 502-552	International Institutions	3
	International Humanitarian Law	3

#### OR

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-YEAR DEGREE PROGRAMME (8 SEMESTER) 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 2013. It trains students for career in the fields of communication and journalism offering 4-year BS and 2-year Master of Arts (M.A.) degree PROGRAMME 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 of the following:

Memon Bashir Ahmed, Professor and **Chairman**  
M.A. Mass Communication (S.U.) 2000, Ph.D (UK) 2011

Qureshi Zulfikar Ali, Associate Professor  
M.A. Mass Communication (S.U.) 1989

Nizamani Muhammad Qasim, Assistant Professor  
M.A. Mass Communication (S.U.) 2002

Soomro Muhammad Siddique, Assistant Professor  
M.A. Mass Communication (S.U.) 2002

Chhachhar Abdul Razaque, Assistant Professor  
M.A. Mass Communication (S.U.) 2003, MS (Malaysia) 2014, Ph.D (China) 2017  
Shaikh Shazia Shahab, Assistant Professor  
M.A. Mass Communication (S.U.) 2004, Ph.D (KU) 2017  
Memon Farheen Ashfaque, Assistant Professor  
M.A. Mass Communication (S.U.) 2005, Ph.D (Malaysia) 2018  
Pahore Muhammad Ramzan, Assistant Professor  
M.A. Journalism (SALU) 2006, Ph.D (Malaysia) 2019  
Solangi Jaane Alam, Lecturer  
M.A. Mass Communication (S. U) 2005, M.Phil (S.U.) 2017  
Umrani Liaquat Ali, Lecturer  
M.A. Mass Communication (S.U.) 2005, M.Phil (S.U.) 2019  
Shahani Yusra, Lecturer  
M.A. Mass Communication (S.U.) 2012  
Sangi Sohail, Visiting Faculty  
M.A. English (S.U.)

### BS (MEDIA & COMMUNICATION STUDIES): 4-YEAR 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/STAT 308	Computer Skills/ Statistics	3	
MC 310	Introduction to Mass Communication	4		MC 312	History of Mass Media	4	
	Minor I	3		321	Minor I	3	
	Minor II	3		331	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
Minor-I	3	Minor-I	3
Minor-II	3	Minor-II	3

### THIRD YEAR

5 <sup>th</sup> Semester	C.H.	6 <sup>th</sup> Semester	
ENG 501 Newsmen's English		MC 551 Newspaper & Magazine Production	3
MC 502 Theories of Communication		(Theory & Practice)	
MC 503 Media Psychology (Theory& Practice)	3	MC 552 Media & Human Rights (Theory & Practice)	3
MC 504 Civic Journalism (Theory & Practice)		MC 553 Creative Writing (Theory & Practice)	3
MC 505 Newspaper & Magazine Production		MC 554 Mass Media Laws & Ethics	3
(Theory & Practice)		MC 555 Social Media (Theory & Practice)	3

### FOURTH YEAR

7 <sup>th</sup> Semester	C.H.	8 <sup>th</sup> Semester	C.H.
MC 601 Development Communication	3	MC 651 Media and Culture (Theory& Practice)	3
MC 602 Print & Online Journalism	3	MC 652 Mobile Journalism (Theory& Practice)	3
(Theory & Practice)		MC 653 Advertising & P. R (Theory& Practice)	3
MC 603 Radio/T. V Production	4	MC 654 Media Management & Marketing	3
(Theory & Practice)		MC 655 Peace Journalism (Theory& Practice)	3
MC 604 Mass Media Research	3	MC 660 Research Project & Viva Voce	3
(Theory & Practice)			
MC 605 Media and Social Movements	3		
(Theory & Practice)			

**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 of Communication	3	MC 562 Newspaper & Magazine Production	3
MC 552 Theories of Communication	3	(Theory & Practice)	
MC 554 Media Psychology (Theory& Practice)	3	MC 564 Media & Human Rights	3
MC 556 Civil Journalism (Theory& Practice)	3	(Theory & Practice)	
MC 558 News Writing and Reporting	3	MC 566 Creative Writing (Theory & Practice)	3
(Theory& Practice)		MC 568 Mass Media Laws & Ethics	3
MC 560 Newspaper & Magazine Production	3	MC 570 Social Media (Theory& Practice)	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	(Theory & Practice)	
(Theory & Practice)		MC 652 Mobile Journalism	3
MC 603 Radio/TV Production	3	(Theory & Practice)	
(Theory & Practice)		MC 653 Advertising & P. R	3
MC 604 Mass Media Research	3	(Theory & Practice)	
(Theory & Practice)		MC 654 Media Management & Marketing	3
MC 605 Media & Social Movements	3	MC 655 Peace Journalism	3
(Theory & Practice)		(Theory & Practice)	
		MC 660 Research Project & Viva Voce	3

**MASTER OF ARTS IN MEDIA & COMMUNICATION STUDIES: 2-YEAR DEGREE PROGRAMME (4-SEMESTERS) PROGRAMME CH-66**





## DEPARTMENT OF POLITICAL SCIENCE

The Department of Political Science was established in 1953 on 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 provincial and federal Government services and other fields of life.

### The teaching faculty comprises of the following:

**Memon Kiran Sami, Professor and Chairperson**

M.A. (S.U.) 1997, Ph.D (SU) 2013

**Mahesar Ghulam Akbar, Professor**

Diploma in English, PACC, IVLP, USA, M.A (S.U.) 2000, Ph.D (S.U.)

**Gaho Ghulam Mustafa, Assistant Professor**

M.A. (S.U.) 1998

**Memon Fahmida, Assistant Professor**

M.A. (S.U.) 1989

**Mahesar Pervaiz Ali, Assistant Professor**

M.A. (SALU) 2005, M.Phil. 2014

**Noorani Imran Ali, Assistant Professor**

M.Sc. (QAU) 2005

**Burfat Asghar Raza, Assistant Professor**

M.A. (SALU) 1996

**Lanjwani Bisharat Ali, Assistant Professor (on study leave)**

M.Sc. (QAU) 2005

**Syed Anwar Ul Mustafa Shah, Assistant Professor**

M.A. (SALU) 2005

**Baloch Jamshed Ali, Assistant Professor**

M.A. (S.U.) 2000, M.Phil (S.U.) 2011, Ph.D (S.U.) 2017

**Bukhari, Ahmed Hussain Shah, Lecturer**

M.A. (S.U.) 2003, Diploma (UK) 2010

**Oad, Hans Raj, Lecturer**

M.A. (S.U.) 2011

**Talpur, Bakhtawar, Lecturer**

M.A. (S.U.) 2013

**Mahesar Khaleeqe Zaman, Lecturer**

M.A. (SALU) 2011

### BS (POLITICAL SCIENCE): 4-YEAR DEGREE PROGRAMME (8-SEMESTER) 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/ CIV406	General Mathematics / Geography / Culture & Civilization	3		RD 408	Rural Development	3	
POLSC.410	Political Systems (Developed) (UK, USA) (Major)	4		POLSC.411	Political Systems (China, Turkey, India) (Major)	4	
	Minor-I (Group A)	3			Minor-I (Group A)	3	
	Minor-II (Group B)	3			Minor-II (Group B)	3	



### THIRD YEAR

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
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

<i>Seventh Semester</i>	<i>C.H.</i>	<i>Eighth Semester</i>	<i>C.H.</i>
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

### M.A. IN POLITICAL SCIENCE 2-YEAR DEGREE PROGRAMME (4-SEMESTER) CH-63

Pre-requisite: Bachelor degree, preferably with Political Science as one of the elective subjects; Pre-Entry Test.

#### M.A. (PREVIOUS)

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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)	---

#### M.A. (Final)

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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 559 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, B.A. (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 of the following:

**Shah Irfana, Professor and Chairperson**

M.A. 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**

M.A. (S.U.) 2006

**Shaikh Sheeraz Ilyas, Assistant Professor**

M.Sc. (S. U) 2000, M.A. 2005, B.Ed. (S. U) 2003, M.Phil (IIU) 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-YEAR DEGREE PROGRAMME (8- SEMESTER) 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 Aneas 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-I)	
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	

### M.A. / M.SC. IN PSYCHOLOGY 2-YEAR DEGREE PROGRAMME (FOUR SEMESTER) 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, Pre- Entry Test.

<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	Pratical 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 Evening PROGRAMME BS 4-years and Two years MPA (Pass) & Master of Public Policy (MPP), Department also offers Post Graduate Diploma in Public Administration (Evening). It has recently revised and updated its curricula.

### The teaching faculty comprises of the following: -

Burdey, Muhammad Bux, Professor & Chairman  
M.P.A. (S. U) 1987, M.Phil (Norway) 2000, Ph.D (KU) 2004

Abbasi, Zareen, Professor  
M.P.A. (QAU) 1993, Ph.D (K.U) 2006

Syed, Naimatullah Shah, Professor (On Lien)  
M.P.A. 1994, Ph.D (UK) 2009

Kandhro, Sirajul Haque, Professor  
M.P.A. (S.U.) 1989, M.Sc. (KIT) 2004, Ph.D (Thailand) 2012

Panhwar, Khalid Noor, Professor  
M.P.A. (S.U.) 1987, Ph.D (S.U.) 2014

Mangi, Aftab Ahmed, Professor  
M.P.A. (S.U.) 1988, Ph.D (S.U.) 2013

Zaidi, Zulfiqar Hyder Shah, Professor  
M.P.A. (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, M.P.A. (S.U.) 1998, MS (MUET) 2013

Shah, Farwa, Assistant Professor  
M.P.A. (S.U.) 2001, (Ph.D Scholar)

Chachar, Ayaz Ahmed, Assistant Professor  
M.P.A. (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  
M.P.A. (S. U) 2002, M.Phil (S.U.) 2019

### BS (PUBLIC ADMINISTRATION) (MORNING & EVENING): 4-YEAR DEGREE PROGRAMME (8-SEMESTERS) CH-124

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 Year 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).

<i>Group-"A" Development Studies</i>	<i>C.H.</i>
PA 600 (A) Community and Rural Development	3
PA 601 (A) Human Rights and Development	3

<i>Group-"B" E-Governance</i>	<i>C.H.</i>
PA 600 (B) e-Management and Public Administration	3
PA 601 (B) Service Innovation	3

<i>Group-"C" Finance</i>	<i>C.H.</i>
PA 600 (C) International Financial Management	3
PA 601 (C) Credit & Risk Management	3

<i>Group-"D" Human Resource Management</i>	<i>C.H.</i>
PA 600 (D) Labor Laws and Industrial Relations	3
PA 601 (D) Organization Change and Development	3

<i>Group-"E" Marketing</i>	<i>C.H.</i>
PA 600 (E) Advertising and Promotion Management	3
PA 601 (E) Global Marketing Management	3

<i>Group-"F" Public Health Administration</i>	<i>C.H.</i>
PA 600 (F) Essential of Public Health	3
PA 601 (F) Hospital Management	3

<i>Group-"G" Public Policy</i>	<i>C.H.</i>
PA 600 (G) Theories of Public Policies	3
PA 601 (G) Theories and Actors of Policy Process	3

<i>Eighth Semester</i>	<i>C.H.</i>
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





**Area of Specialization** (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

**COMPULSORY REQUIREMENTS**

<b>Course#</b>	<b>Course Title</b>	<b>C.H.</b>
PA 608	Master thesis (in the area of specialization)	3
PA 609	Internship (6-8 weeks) plus report on host organization	3
PA 610	Oral Comprehensive Viva-vice	3

**MASTER OF PUBLIC ADMINISTRATION (MPA) (PASS) MORNING & EVENING 02-YEAR 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:**

**M.P.A. (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

**M.P.A. (PASS) FINAL**

<b>First Semester</b>		<b>C.H.</b>
PA 601	Organizational Design andBehaviour3	
PA 602	Local Government and RuralAdministration	3
PA 603	Comparative PublicAdministration	3
PA 604	Operational Research and Management	3

**Specilization 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
<b>Specialization courses (any one Group is to be offered)</b>		
<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-SEMESTER (2-YEAR) 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-SEMESTER (1-YEAR)**  
**PROGRAMME LEADING TO M.P.A. CH-36**

Pre-requisite: Bachelor degree Science/ Social Science; Pre-Entry Test

**P.G.D.P.A.**

<b>First Semester</b>			<b>Second Semester</b>		
		<b>C.H.</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

The Department of Sociology was established on Hyderabad Campus in 1964 with Prof. Shafi Mohammad Memon as its first chairman. The department was shifted to Allama I. I. 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 and many of the graduates of this department are currently holding executive positions in private as well as in government sector. The seminar library is equipped with 3000 books and provides access to latest publications and journals on various topics of Sociology.

Research is the basic hallmark of the department. The 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 PROGRAMME and are working hard on their research dissertation under the guidance of qualified faculty.

It aims to create in students the "Sociological imagination" which signifies the ability to see their lives, concerns, problems and hopes as entwined within the larger social and historical context in which they live which develop in students the skill critically and creatively to make their vision 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.

Doctoral Programme in Sociology has established throughout its existence the Department of Sociology at University of Sindh has been a major centre of research and graduate training in Sociology. Its graduates can be found at senior academic levels throughout Pakistan and around the world. Presently Sociology is offering Graduate, Post Graduate and Doctoral level Programmes. BS-IV year, M.A. Pass two year, M.Phil and Ph.D Programmes.

### The teaching faculty comprises of the following:

Kakepoto Hammadullah, Professor

M.A. (SALU) 1994, Ph.D (K.U) 2005, Postdoc (Malaysia) 2007

Shaikh Saima, Professor

M.A. (S.U.) 1997, Ph.D (S.U.) 2005

Wassan Aijaz Ali, Professor and **Chairman**

B.E (Agri) (SAU) 1996, M.A. (S.U.) 1999, Ph.D (S.U.) 2008

Brohi Ahmed Ali, Professor (On Lien)

M.A. 1998, M.Phil (S.U.) 2006, Ph. D (S.U.) 2013

Panhwar Ghazala, Associate Professor

M. A (S.U.), Ph.D (S.U.) 2015

Abro Ameer Ali, Associate Professor

B.Sc. (SALU) 1993, M.A. (SALU) 1996, Ph. D (K.U) 2013

Junejo Muneera, Assistant Professor

M.A. (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

M.A. (S.U.) 1998, MS Management Science (Italy)

Khaskheli Mumtaz, Assistant Professor

M.A. (S.U.) 2002, Ph. D (Malaysia) 2014

Khoso Pasand Ali, Assistant Professor

M.A. (KU) 2005

Bhutto Niaz Ahmed, Assistant Professor

M.A. (S.U.) 2010, Ph. D (S.U.) 2019

Halepoto Allah Wadhayo, Lecturer

M.A. (S.U.) 2003

Shah Saeeda, Lecturer

M.A. (S.U.) 2008

Brohi Adeel Khan, Lecturer

M.Sc. (Q.U) 2013

### BS (SOCIOLOGY): 4-YEAR 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 OPTION	3
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## 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 604	Group A: Rural Development	3		EC 614	Group B: Sociology of Aging	3	
EC 605	Group B: Urban Development	3		EC 615	Group A: Human Rights	3	
EC 606	Group A: Peace and Conflict Resolution	3		EC 616	Group B: Social Entrepreneurship	3	
EC 607	Group B: Sociology of Media	3		EC 620	Research Thesis	6	

**MASTER OF ARTS IN SOCIOLOGY: 2-YEAR DEGREE PROGRAMME (4-SEMESTERS) CH-60**

Pre-requisite: Bachelor (Pass) degree, preferably with Sociology as one of the elective subjects, Pre-Entry Test.

## 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 M.A. 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, B.A. (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 of the following:**

Syed Abbas Ali Shah, Assistant Professor and Incharge Chairman  
M.A. (S.U.) 1992, LLB 1997, MLA 1998

Syed Lutiful Hasnaen Shah, Assistant Professor  
M.A. (S.U.) 1998

Baloch Jamshed, Assistant Professor  
M.A. (S.U.) 1993

Syed Faisal Hyder Shah, Assistant Professor  
M.A. 2002, LL.B. (S.U.) 2006, Ph. D (University Sains, Malaysia) 2018

Zareen Qadeer, Lecturer (On Study Leave)  
M.A. (S.U.) 2003

Khaskheli Waheed Akbar, Lecturer  
M.A. (S.U.) 2007

Erum Shah, Teaching Assistant  
M.A. (S.U.) 2004, M.B. A 2007, Ph. D (University Sains, Malaysia) 2018

**BS (SOCIAL WORK): 4-YEAR DEGREE PROGRAMME (08 SEMESTERS) CH-136**

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

**FIRST YEAR**

<i>First Semester</i>	<i>C.H.</i>	<i>Second Semester</i>	<i>C.H.</i>
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**

<i>Third Semester</i>	<i>C.H.</i>	<i>Fourth Semester</i>	<i>C.H.</i>
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>
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SW 520	Social Case Work	3	SW 525	Community Organization & Development	3
SW 521	Social Group Work	3	SW 526	Social Research	3
SW 522	Sociology of Society and Social Institutions	3	SW 527	Social Problems of Pakistan	3
SW 523	Social Services for Special Groups	3	SW 528	Child Rights and Welfare	3
SW 524	Practical Field Work Placement	6	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 607	Social Legislation	4	
SW 603	Rural Government and Local Government	3		SW 608	Practical Community Development Project	6	
SW 604	Practical Field Work Placement	6		SW 609	Research Project	3	
				SW 610	Comprehensive Viva-Voce	1	

#### 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 506	Social Research	3	
SW 502	Sociology of Society and Social Institutions	3		SW 507	Social Problems of Pakistan	3	
SW 503	Social Services for Special Group	3		SW 508	Child Rights & Welfare	3	
SW 504	Practical Field Work Placement	6		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 607	Social Legislation	3	
SW 603	Rural Government and Local Government	3		SW 608	Practical Community Development Project	6	
SW 604	Field Project	6		SW 609	Research Project	4	
				SW 610	Comprehensive Viva-Voce	1	

#### M.A. SOCIAL WORK: 2-YEAR DEGREE PROGRAMME (04 SEMESTERS) CH-64

Pre-requisite: Bachelor (Pass) degree preferably with Social Work as one of the elective subjects, Pre-Entry Test.



## DEPARTMENT OF CRIMINOLOGY

Criminology is the scientific study of crimes, criminals, criminal behavior and corrections. Criminology also studies societies' response to crime and to prevention. This includes examination of evidence, hereditary and psychological causes of crime, different modes of investigation and conviction and efficiency of punishment and corrections.

Recently Terrorism (a manifestation of crime) has emerged a global menace posing continuous threat affecting societies at large. Criminology is an approach to counter such challenges arising in global setting.

A criminologist studies crimes by analyzing patterns of criminal behavior and types of criminals. Criminologists working with and for law enforcement agencies, develop profiles of particular types of crimes as well as gather statistics on crime rates and analyze them and propose measures to counter the same in any given society, suggesting changes, if need be, in the criminal justice system and its processes.

Criminologists are found in many different settings There are opportunities for them in: corrections systems, airport security, probation or parole authority, drug enforcement agencies and other law enforcement agencies: Corporations or financial institutions, major department stores and law firms also employ them as security officers, private investigators or social workers. Some work as consultants in the role of private investigators or security.

Teaching and research are also the vast fields open for the criminologists.

Masters in Science (M. Sc) in Criminology would enlighten you with skills, like objective criticism, scientific analysis and research orientation towards hot issues in society, and strengthens the vision to see the criminological issues/events in other perspective and their impact on society.

The M.Sc. PROGRAMME comprises eleven core courses, a Thesis/Dissertation, and comprehensive Viva Voce. The overall objective of this Department is to provide students with the concepts, theories and methods necessary for a better understanding of the realities of crime and control and to, hopefully, make a positive difference in their society.

The Department of Criminology is proud to have well- qualified and dedicate faculty regular as well as visiting faculty, to teach core courses in the Master's PROGRAMME. Civilians and Law Enforcement Officials are availing from the academic inputs of the PROGRAMME.

The Seminar Library is enriched with variety of books dealing with criminological Law, Research Journals, Periodicals; and Research Reports.

Department has recently started its BS 04-years PROGRAMME of Criminology that is being offered first time in history of Pakistan in any public universities.

### **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, LLM, M.Phil (S.U.)

**Shaikh Hassan Latif, Lecturer**

M.Sc Criminology, LLB (S.U.)

**Mahesar Abdul Hameed, Lecturer**

M.Sc Criminology, LL.B. (SALU)



**BS (CRIMINOLOGY): 4-YEAR DEGREE PROGRAMME (8-SEMESTERS) CH-142**

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

**FIRST YEAR**

<b>First Semester</b>			<b>Second Semester</b>		
		<b>C.H.</b>			<b>C.H.</b>
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
CS/STAT 306	Computer Skills/Statistics	3	COMP/	Statistics	3
CRM 310	Fundamentals of Criminology	4	STAT 308		
	Minor-I	3	CRM 314	Crime and Criminology in Pakistan	3
	Minor-II	3		Minor-I	3
				Minor-II	3

**SECOND YEAR**

<b>Third Semester</b>			<b>Fourth Semester</b>		
		<b>C.H.</b>			<b>C.H.</b>
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 410	Theoretical Perspective on Crime and Criminal Behavior	3	CRM 407	Criminal Justice System	3
	Minor-I	3		Minor-I	3
	Minor-II	3		Minor-II	3

**THIRD YEAR**

<b>Fifth Semester</b>			<b>C.H.</b>	<b>Sixth Semester</b>			<b>C.H.</b>
CRM 500	Juvenile Delinquency	3		CRM 501 A	Offender Rehabilitation and Treatment	3	
CRM 502	Penology	3		CRM 503 A	Correctional Institutions	3	
CRM 504	Gender & Crime	3		CRM 505 A	Terrorism and Violence – II	3	
CRM 506	Terrorism and Violence –I	3		CRM 507 A	Criminology Psychology	3	
CRM 508	Human Rights	3		CRM 509	Policing	3	
CRM 510	Organizational Behavior and Human Resource Development	3		CRM 555	Cyber Crime	3	

**FOURTH YEAR**

<b>Seventh Semester</b>			<b>C.H.</b>
CRM 601 A	Criminal Investigation Methods	3	
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	

<b>Eighth Semester</b>			<b>C.H.</b>
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 Policy	3	
CRM 608	Media & Crime	3	
CRM 610	Victimology	3	



**M.SC. IN CRIMINOLOGY EVENING 2-YEAR DEGREE PROGRAMME (4-SEMESTERS) CH-60**

**Pre requisite:** Bachelor's Degree in any discipline from any recognized University in Pakistan with a good second division score.

**M.Sc. (Previous)**

<b>First Semester</b>		
		<b>C.H.</b>
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)**

<b>Second Semester</b>		
		<b>C.H.</b>
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)**

<b>Third Semester</b>		
		<b>C.H.</b>
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)**

<b>Fourth Semester</b>		
		<b>C.H.</b>
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 second oldest University in the Pakistan was 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.

## **FACILITIES**

The University of Sindh has made it possible to provide facilities to cater to the needs of the students such as Bursaries/free ship on the basis of merit-cum-poverty to 15% enrolled students, free of cost high speed internet, In-campus Wi-Fi network, classrooms equipped with multimedia, computer laboratories with internet facility, Seminar Library with good number of latest Books, Newspapers of 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 popular lectures etc.



**Dr. Muhammad Siddique Kalhoro**  
Meritorious Professor, Ph.D (London)  
**Pro Vice-Chancellor**

## **PROGRAMMES**

### *Bachelor Degree Programmes*

**BBA (Hons)**

**BS (Commerce)**

**BS (English)**

**BS (Computer Science)**

### *Master Degree Programme*

**M. Com**





### 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.	B.B.A. (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
5.	M.Com (2 Year Degree)	50	10	02	15	77

#### Faculty Members are:

Kalhor Dr. Muhammad Siddique, Meritorious Professor and **Pro 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)  
Bhatti Azeem Akhtar, Assistant Professor  
M.Com (SU), M.S (MAJU, Karachi)

Chandio Muhammad Tufail, Assistant Professor (**Incharge, English**)

M.A. (English) (SU), M.Phil (S.U.), Ph.D (S.U.)

Jamali Sanaullah, Assistant Professor

BS (SU), M.Phil (SU)

Keerio Hayat, Assistant Professor (**Incharge, Computer Science**)

M.Sc (S. U), M.Phil (NUST)

Memon Atia Bano, Assistant Professor

BS (SU), Ph.D (Germany)

Patoli Abdul Qadir, Assistant Professor (**Incharge, Commerce**)

M.Com (SU), M.S (BIZTEK)

Luhana Kirshan Kumar, Assistant Professor

BS (CS) (SU), Ph.D (Austria)

Shah Ghulam Murtaza, Assistant Professor

MBA (SU), Ph.D (S.U.)

Makhdoom Tayyaba, Assistant Professor

MBA (SU), Ph.D (S.U.)

Awan Muhammad Irfan, Lecturer

BS (SU)

Dileep Kumar, Lecturer (On Study Leave)

MS- IT, Superior College Lahore

Nohrio Hakim Ali, Lecturer

BBA (Hons) (SU), MS (MAJU)

Shaikh Sana Gul, Lecturer

M.Com (SU), M.Phil (MAJU, Karachi)

Solangi Haji Ahmed, Lecturer

M.Com (SU)

Talpur Fozia, Lecturer (On Study Leave)

BS (Electronics) (SU), M.S. (BIZTEK)

Tahal Kumar, Lecturer

MBA (SU)

09 Teaching Assistants

07 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 @ 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 (CS)

BS (IT)

BS (Geology)

BS (Commerce)

BS (English)

BEd (Secondary) 1.5 & 2.5 Year

#### *Master Degree Programmes (Evening)*

MA (English)

MBA (2-year, Six-Semester)







## 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, English and Geology 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
1.	B.B.A. (Hons)	36	08	04	48
2.	BS (CS)	36	08	---	44
3.	BS (IT)	36	08	---	44
4.	BS Geology	36	08	---	44
5.	BS (Commerce)	36	08	---	44
6.	BS (English)	36	08	---	44

Seats under Commerce Quota above are divided as under: -

	Male	Female	Urban	Rural
<b>B.B.A. (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 Firstsemester. No application for transfer will be entertained thereafter. Sindh University Employees quota policy is applicable as per policy of University of Sindh.

## Teaching Faculty:

Nizamani Sarwat, Professor in Computer Science

M.Sc. Computer Science (S.U.) 1999, Ph.D (Southern, Denmark) 2014

Bhutto, Hameedullah, Assistant Professor in Islamic Culture

M.A. Islamic Culture (S. U) 2002, M.A. Dars-e-Nizami (Lahore) 1999, M.Phil Islamic Culture (S.U.) 2014, Ph. D (Thailand) 2017

Nizamani, Sehrish Basir, Assistant Professor in 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 in Commerce (HoD Commerce)

M.Com. (S.U.) 2005, MS (MUET) 2014

Solangi, Nadeem Ahmed, Lecturer in English (HoD English)

M.A. English Literature (S.U.) 2005

Solangi, Muhammad Ali, Assistant Professor in Geology (HoD Geology)

M.Sc. (S. U) 2002, M.Phil (S.U.) 2016

Thebo, Ghulam Mustafa, Lecturer

M.Sc. (S.U.) 2004

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

Gilal, Naeem Gul, Assistant Professor in Business Administration

M.B.A. (SALU) 2007, MS (China) 2016, Ph.D (China) 2019

Memon, Zulfiqar Ali, Assistant Professor in Business Administration

M.B.A. (S.U.) 2012, Ph.D (China) 2019

Kazi, Nabeel, Lecturer in Electronics

BS (Electronics) (S.U.) 2010

Laghari, Mehjabeen, Assistant Professor in Information Technology

BSIT (S. U) 2010, M.Phil (S.U.) 2016

Kalhor, Javed Ali, Lecturer in Geology

BS Geology (S.U.) 2011

Hakro, Tauqeer, Lecturer in Commerce

M.Com (S. U) 2010, MBA (S. U) 2017, M.Phil (In Progress)



## MOHTARMA BENAZIR BHUTTO SHAHEED SINDH UNIVERSITY CAMPUS **DADU**

### Introduction:

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.

### PROGRAMMES

#### *Bachelor Degree Programme (4 year)*

BBA (Business Administration)  
BS (Information Technology)  
BS (English)

#### *Master Degree Programme*

MBA 4 year (8 Semester) Degree  
MBA 2 year (6 Semester) Degree (Evening)  
MA (English) 2 year (4 Semester) Degree (Evening)



**Prof. Dr. Muneeruddin Soomro**  
Focal Person  
Ph.D (HU)





### Degree PROGRAMME offered in Morning

Programmes	Merit	Female	Total
BBA/BSIT/BS (English)	50	10	60
MBA 04 YEARS	50	10	60

### Degree PROGRAMME offered in Evening

Programmes	Total Seats
MBA 02 Years (6-Semester)	60
MA (English) 02 Years (4-Semester)	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
<b>Total</b>		<b>30</b>	<b>20</b>	<b>50</b>

**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:

Soomro Muneeruddin, Professor and Focal Person  
M.Com. 1984, LL.B.1989 (S.U.), Ph.D (HIMS) 2006

Charan Aftab Ahmed, Assistant Professor  
MA (English) (SU) 2004, Ph.D (HU) 2017

Soomro Mansoor Ahmed, Assistant Professor  
MBA 2011, M.Phil (SALU) 2017

Malak Sarfraz Ali, Assistant Professor  
MBA (SU) 2007, M.Phil (S.U.) 2017

Channa Muhammad Asif, Assistant Professor  
MBA 2008, M.Phil (SALU) 2017

Panhwar Kalsoom, Assistant Professor  
BE (CS) 2011, ME (CS) (MUET) 2016

Memon Muhammad Suleman, Assistant Professor  
BE (CS) MUET 2008, ME (IT) MUET 2014

Soomro Muhammad Hanif, Assistant Professor  
BSIT (SU) 2007, MS (IT) QUEST 2014

Lashari Amjad Hussain, Lecturer  
MBA (SALU) 2007, M.Phil (SALU) 2018

Mallah Abdul Jabbar, Lecturer  
B.Sc. (Maths) (S.U.) 2009, M.Sc. (Maths) (QAU) 2011

Shar Athar Ali, Lecturer  
BBA (SALU) 2010, MS (IIU) 2015

Kaloi Muhammad Ashraf, Lecturer  
M.A. (Literature) 2009 (FUAAT), MA (Linguistics) (KU) 2011

Magsi Adnan, Lecturer (on Study Leave Abroad)  
M.A. (English) (S.U.) 2011

Ghanghro Ali Asghar, Teaching Assistant  
BS (English) (SALU) 2013

Jamali Muhammad Saleem, Teaching Assistant  
BE (Telecommunication) (MUET) 2017

Thebo Nana Hatim, Teaching Assistant  
BBA 4-year (S.U Campus Dadu) 2016

Aqsa Shah, Teaching Assistant  
BS (English) (S.U Campus Dadu)



## SINDH UNIVERSITY CAMPUS LARKANA

### Introduction:

Sindh University Campus Larkano (SUCL) was established on the Presidential Directives of His Excellency Mr Asif Ali Zardari, 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 Arts and 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 Etesami Building, Wagan Road Larkano.

SUCL is providing state of the art learning facilities through various degree programs through Departments of Business Administration, Department of English Language & Literature and Department of Computer Science. The campus also offers 2-Year Master programs including MBA and MA English in the evening shift. At present more than 700 male and female students from Larkana as well as Qambar Shahdadkot, Shikarpur, Jacobabad and Kashmore districts are benefiting from quality education provided at doorsteps through historic inherited legacy of the University of Sindh. State of the art facilities and resources at 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



**Prof. Dr. Azhar Ali Shah**  
Focal Person  
Ph.D (UK)

### PROGRAMMES

#### *Bachelor Degree Programmes*

**BBA (Business Administration)**

**BS (Computer Science)**

**BS (English)**

#### *Master Degree Programme (Morning)*

**MA (English) 2 year (4 Semester)**

#### *Master Degree Programmes (Evening)*

**MA (English) 2 year (4 Semester)**

**MBA 2 year (6 Semester)**





### Distribution of Seats

District-wise allocation of urban and rural seats for each PROGRAMME/discipline is as given below:

S#	District	Rural	Urban	Total
1.	Larkana	16	12	28
2.	Qamber @ Shahdad Kot	04	03	07
3.	Shikarpur	03	02	05
4.	Jacobabad	03	02	05
5.	Kashmore	03	02	05
<b>Total</b>		<b>29</b>	<b>21</b>	<b>50</b>

**Note:** MBA Evening Programme Total 60 seats (50 General Merit, 10 Female)

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:

Shah Azhar Ali, Professor and Focal Person

M.Sc. Electronics (S. U) 1998, M.Phil (S.U.) 2004, Ph.D (Nottingham University, UK) 2011

### 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

Maitlo Ayaz Ali, Lecturer

BBA (SALU), MBA (SZABIST) and Ph.D in Progress

Kalhor Maryam, Lecturer (On Study Leave)

BS (Commerce) (S.U.), 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)

Shaikh, Shagufta, Visiting Faculty

MBA (SUCL) 2018

Abro, Yusra, Visiting Faculty

MBA (SZABIST), BBA (SZABIST)

Mughal, Indra, Visiting Faculty

MBA (KASBIT), M.Phil (S.U.), Ph.D (SALU) in Progress

### Department of Computer Science

Jamali Asif Ali, Lecturer and **Head of Computer Science Department**

BE (MUET, PK), ME (MUET, PK) and Ph.D (S.U.) in Progress

Kanasro Nadeem Ahmed, Assistant Professor (On Study Leave)

MCS (SU), M.Phil (SU) and Ph.D in Progress

Shaikh Farhan Bashir, Assistant Professor (On Study Leave)

BE (MUET), MS (SZABIST) and Ph.D in Progress

Samoon Shazia, Lecturer

BSCS Silver and Gold Medalist (SU), M.Phil in Progress

Surhio Farhan, Teaching Assistant

M.Sc. 2013, M.Phil (S.U.) 2018

Gopang Quratulain, Teaching Assistant

BSCS (SALU) 2013, M.Phil (SALU) in Progress

Bhutto, Sanaullah, Visiting Faculty

BS Mathematics (SALU), M.Phil (SALU) in Progress

Junejo, Zubair Ahmed, Visiting Faculty

BS CS (SUCL) 2019

Dayo, Zameer Hussain, Visiting Faculty

M.Sc. Maths (SALU), M.Phil in Progress





### **Department of English**

**Kumbhar, Chahat Batool, Teaching Assistant and Head of English Department**

BS English (S. U) 2016, B. Ed. (AIU) 2019, Ms (MUET) in Progress

**Shaikh, Zeeshan, Teaching Assistant**

M.A. English (SALU, 2015)

**Jhatial, Ruzwana, Teaching Assistant**

BS English (SUCL) 2016

**Kalhor, Erum, Teaching Assistant**

BS English (S.U.) 2017, MS (S.U.) in Progress

**Kumbhar, Hussain Ali, Visiting Faculty**

M.A. English (S.U.), MS (S.U.) in Progress

**Shah, Hina, Visiting Faculty**

M.A. Pak Studies (SALU) 2016

**Abbasi, Inayat Fatima, Visiting Faculty**

M.A. English (SUCL) 2018

**Soomro, Fasiha, Visiting Faculty**

M.A. Philosophy (S.U.) 2016

**Abbasi, Saeed, Visiting Faculty**

M.A. Sindhi (SALU), M.Phil Education (SMIU) in Progress

**Jarwar, Aftab, Visiting Faculty**

M.A. English (SUCL) 2018

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**

The University of Sindh Campus Thatta was established on 18<sup>th</sup> August 2012. The Campus since then has been meeting societal challenges with the help of diverse knowledge. Approximately 700 students and 25 employees make the campus a large and inspiring place to work and study, with a continuous flow of new knowledge and ideas.

There is a strong sense of openness at Thatta Campus as it actively participates in the public debate and interacts with the surrounding society through continuous dialogues and knowledge exchange, nationally and internationally.

Strong research and attractive study programs attract students from the vicinity. They offer new perspectives and help solve the major challenges facing the country. With new knowledge and new perspectives, the University contributes to a better future.

### **Vision**

The University of Sindh Campus Thatta aspires to be acknowledged as an institution that strives to groom students for earning respect and recognition as well as to think & act selflessly for the greater good of all the existence and environment.

### **Mission**

The University of Sindh Campus Thatta is committed to promote, enhance, and maintain quality education by producing competent human resource and conducting solution-oriented research to serve the national and global-market with innovative edge and virtuous values.



**Prof. Dr. Rafique. A. Memon**  
Pro Vice Chancellor  
Ph.D (U.K)

### **PROGRAMMES**

#### **Bachelor Degree Programmes**

BS (English)

BBA (Business Administration)

BS Computer Science

#### **Master Degree Programmes (Morning)**

M.Com

M.A (English)

#### **Master Degree Programmes (Evening)**

Coastal Zone Management

Business Administration







## Degree Programmerness

The Sindh University Campus Thatta offers 04-year Bachelor Degree Programme and 02-year Masters degree Programme 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 Years 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.	Sujawal	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), M.A. (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 Shoaib 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.



**M.Sc. Coastal Zone Management (4 Semesters) PROGRAMME (CH-72)**

Pre-requisite; B.Sc., BS degree in any Science discipline

**FIRST YEAR**

<b>First Semester</b>		<b>C.H.</b>
CMZ 500	Marine Geology	3
CMZ 502	Marine Resources	3
CMZ 504	Marine Chemistry	3
CMZ 506	Marine Biology	3
CMZ 508	Coastal Zone Interpretation	3
CMZ 510	Marine Physics	3

<b>Second Semester</b>		<b>C.H.</b>
CMZ 512	Marine Ecosystems	3
CMZ 514	Marine Biodiversity	3
CMZ 516	Marine Biogeochemistry and Toxicology	3
CMZ 518	Coastal Line of Pakistan	3
CMZ 520	Geology of Arabian Sea	3
CMZ 522	Marine Pollution and Control	3

**SECOND YEAR**

<b>Third Semester</b>		<b>C.H.</b>
CMZ 600	Coastal Hazards	3
CMZ 602	Marine and Coastal Conservation	3
CMZ 604	Sea Level Changes and Coastal Zones	3
CMZ 606	Pakistan Marine Fishery Policy	3
CMZ 608	Ocean and Coastal Law	3
CMZ 610	International Integrated Coastal Zone Management	3

<b>Fourth Semester</b>		<b>C.H.</b>
CMZ 612	Coastal Environmental Security	3
CMZ 614	Remote Sensing and Geographic Information Systems	3
CMZ 616	Environmental Risk Assessment and Security	3
CMZ 618	Management of Coastal Water Resources	3
CMZ 620	Coastal Zone Management Dissertation	3
CMZ 622	Comprehensive Viva Voce	3

**Disaster Risk Reduction (DRR) Center**

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

**Master of Commerce (M. Com): 2-Year Degree PROGRAMME (4-Semesters) (CH-60)**

Pre-requisite: B. Com (Pass) degree, Pre-Entry Test

**PREVIOUS**

<b>First Semester</b>		<b>C.H.</b>
COM 501	Management	3
COM 511	Fundamental of Marketing	3
COM 521	Quantitative Techniques for Business	3
COM 531	Managerial Economics	3
COM 541	Business Communication & Technical Writing	3
COM	Computer Applications to Business	NC
COM	Remedial English	NC
<b>Second Semester</b>		<b>C.H.</b>



COM 551	Computer Applications to Business	3
COM 561	Financial Management	3
COM 571	International Business	3
COM 581	Company Law & Secretarial Practices	3
COM 591	Human Resource Management	3
COM	Remedial English	NC

#### FINAL

<b>Third Semester</b>		<b>C.H.</b>
COM 600	Internship Report & Viva-Voce	3
COM 601	Research Methods in Business	3
COM 611	Organizational Behaviour	3
COM 621	Advanced Cost & Management Accounting	3
<b>Second Semester</b>		<b>C.H.</b>
COM 643	Investment Analysis & Portfolio Management	3
COM 651	Production & Operation Management	3
COM 661	Business Policy	3
COM 671	Management of Public Enterprises	3

<b>1. Accounting</b>	
COM 631	Advanced Accounting Theory & Problems
COM 632	Governmental Accounting
COM 681	Advanced Auditing Problems
COM 682	Cost Accounting for selected Industries
<b>2. Finance</b>	
COM 641	Islamic Principles of Finance
COM 642	Banking Management
COM 691	Project Management
COM 692	Specialized Financial Institutions
<b>3. Marketing</b>	
COM 645	Marketing Management
COM 646	Retailing Management
COM 695	Advertising
COM 696	Marketing Research
COM 697	Hotel & Restaurant Management

Specialization requirements: Any **Two** Courses to be offered from any one of the fields listed here under.



## KHAN BHADUR SYED ALLAHNDO SHAH SINDH UNIVERSITY CAMPUS NAUSHAHRO FEROZE

The establishment of Khan Bhadur Syed Allahndo Shah Sindh University Campus at Naushahro Feroze is another initiative of University of Sindh for providing quality higher education facilities to the people of Sindh at their doorstep. In order to meet the development and management needs, it is necessary that the people of Naushahro Feroze and adjoining districts are provided high class teaching and research opportunities in the field of Business Management, English, Computer Science and Information Technology. The establishment of Sindh University Campus @ Naushahro Feroze is the Government initiative to facilitate the increasing number of college students of district Naushahro Feroze. The Campus is serving the interest of poorest population of the region, who cannot afford the higher education in the big cities of Sindh, due to their socio-economic constraints; therefore, The University of Sindh Campus @ Naushahro Feroze is now considered as milestone for the betterment and enhancement of the quality education in the region.

Highly qualified 11 Teaching Assistants, visiting faculty i.e. PhD and M.Phil scholars are hired from not only the main campus but surrounding areas as well.



**Prof. Dr. Wazir Ali Baloch**  
Focal Person  
Ph.D (Japan)

### PROGRAMMES

#### *4 Year (8 Semester) Bachelor Degree Programmes*

**BBA (Hons)**

**BS (Computer Science)**

**BS (Information Technology)**

**BS (English)**

#### *4 Year (8 Semester) Master Degree Programme*

**MBA (Morning)**

#### *2 Year (4 Semester) Master Degree Programmes*

**MBA (Evening)**

**M.A. (English) Morning**



### Degree Courses 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.	M.A. (English) 02-Year Pogram	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>





### BUREAU OF STAGS

The Bureau of Students Tutorial Guidance/Counseling Services and Co-Curricular Activities (STAGS) was established on August 16<sup>th</sup>, 1993 with the idea that there should be an institution in the university to guide and counsel the students coming from various regions and to provide them chance to explore their hidden talent and polish their skills.

STAGS provides information and guidance to the students regarding job openings in the private and public sectors. The Bureau remains in touch with recruitment agencies and keeps students informed and updated about job and internship opportunities. The department also holds the responsibility to chalk out programs for the betterment welfare and enhancement of knowledge of the students such as Orientation Programs, Departmental, Provincial and National level contests including Qirat, Naat, Debate, Declamation, Quiz, Essay, Music and Exchange of Student Delegation Programs.

### SOCIETIES & CLUBS

Bureau of STAGS has introduced six (6) extracurricular 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, Writers' Club, Art & Music Club, Iqra Society (for Qirrat, Na'at & Hamd) and Software Developers Club.

### 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 for the first time introduced the volunteer program to create positive change in the development.

The students undertake volunteering by organizing and managing various official events i.e. (Pre-Entry Test, Convocation & Orientation etc.) and facilitating others student to promote their participation as well as gaining new skills, experience working through formal and informal avenues/fora.



**Dr. Sumera Umrani**

Director, Bureau of STAGS,  
Associate Professor (IELL)  
University of Sindh  
dir.stags@usindh.edu.pk



For queries & details

☎ : (+92)-22-9213266

🌐 : [www.usindh.edu.pk/bureau-of-stags](http://www.usindh.edu.pk/bureau-of-stags)

📘 : [www.facebook.com/bostags](https://www.facebook.com/bostags)





## Students' Financial Aid Office

The University admits a large number of students, majority belonging to rural areas and disadvantaged poor families, realizing that education has become very costly and it is difficult for them to pursue their education due to financial constraints. 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 Students' Financial Aid Office (SFAO). A centralized record of all students getting any Financial Aid is kept in the Students Financial Aid Office (SFAO).

At the moment, the Student Financial Aid Office (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	Need-Cum-Merit Scholarship	Auqaf, Religious Affairs, Zakat & Ushr Department, Government of Sindh
04	Minority Scholarship	Ministry of Minority, Govt. of Pakistan
05	Freeships & Bursary	University of Sindh, Jamshoro
06	Scholarship for Disable Students	University of Sindh, Jamshoro
07	Schedule Caste Scholarship	Deputy Commissioner Office
08	Al-falah Scholarship	Al-Falah Foundation
09	Diya-Pak Scholarship	Diya Pak Foundation
10	Poor Students' Fund	University of Sindh
11	Sindh Educational Endowment Fund Scholarship	The College Education Department, Government of Sindh
12	District Zakat Committee Scholarship	The Government of Balochistan
13	Punjab Educational Endowment Fund (PEEF)	The Government of Punjab

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/-

For facilitating the students, the Students' Financial Aid Office (SFAO) is always in touch with Faculties, Institutes & departments. The coordinator's responsibility is to answer the queries of students at their department regarding the various scholarship Programmes, and assist the students during filling the application forms.

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 Profarma regarding University Scholarship Programmes.

**FINANCIAL ASSISTANCE:** The University grants limited Freeships 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.



**Prof. Dr. Fiza Qureshi**  
Director  
Students Financial Aid Office



## ANTI-HARASSMENT CELL

### What is harassment?

Harassment is an unwanted physical or verbal behaviour that upsets or humiliates the individual. It is an unwanted conduct that occurs with the purpose or effect of violating the dignity of individual. Generally, harassment is a behaviour 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 were 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  
Email: drnachanna@usindh.edu.pk
2. **Prof. Dr. Zareen Abbasi**  
**Member**  
Dean, Faculty of Social Sciences  
Email: zareen.abbasi@usindh.edu.pk
3. **Mr. Ghulam Muhammad Bhutto**  
**Member**  
Director Admission  
Email: gm.bhutto@usindh.edu.pk

### How to contact the Anti-Harassment Cell?

You can send your application on prescribed form at usindh.edu.pk website or on plain page. Unknown applications are not entertained. You can email your complaint on 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. Do not hesitate to come and share your fears.





## INFORMATION TECHNOLOGY SERVICES CENTRE (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 stake holders 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 stake holders of the University of Sindh in an efficient and centralized manner.

The IT Services Centre is responsible to execute the following tasks:

1. Maintaining campus-wide network of the University.
2. Develop, upgrade, maintain and integrate campus management system and Student Teacher Portal.
3. Maintain and update university website services.
4. Develop and maintain the University surveillance system.
5. Maintain the library of software applications/tools.
6. Provide IT related trainings and technical support to all the stake holders of the University.
7. Online Attendance System

8. Student-Teacher Learning Management System (LMS).
9. Online Result Submission System.
10. Online Exam, Admission Form Submission Systems

**Note:** All queries will be addressed through email in next 48 hours.

**Dr. Zeeshan Bhatti**

Director  
Information Technology Services Centre (ITCS)  
itsc@usindh.edu.pk





### OFFICE OF RESEARCH, INNOVATION & 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. Zeeshan Bhatti**

Director (ORIC)

Phone No. +92 -22- 9213210

### QUALITY ENHANCEMENT CELL (QEC)

QEC of the University is working under the esteemed guidance of the Vice Chancellor and the parameter laid down by the QAA, HEC, Islamabad. Following are the functions of QEC

- To promote public confidence that the Quality and standards of the award of degrees are enhanced and safeguarded.
- To review the quality standards and the quality of teaching and learning in each subject area.
- To review the academic affiliation with other institutions in terms of effective management of standards and quality of Programmes
- To define clear and explicit standards as point of reference to the reviews to be carried out. It should also help the employees to know as to what they should expect from candidates.
- To develop qualification framework by setting out the attributes and abilities that can be expected from the holder of a qualification i.e. Bachelors, Bachelor with Honors, Master's, M. Phil, Doctoral.
- To Develop Programme Specifications. These are sets of standards to inform and clarify what knowledge, understanding, skills and other attributes a student will have developed on successfully completing a specific Programme.
- To develop quality assurance processes and methods of evaluation to affirm the quality of provision and the standard of awards are being maintained and to foster curriculum, subject and staff development, together with research and other scholarly activities.
- To ensure that the university's quality assurance procedures are designed to fit in with the arrangements in place nationally for maintaining and improving the quality of Higher Education.

QEC is fulfilling this commitment by implementation of self-Assessment processes of academic Programmes; participate in national and international events on higher education quality assurance. Furthermore, the QEC organizes 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 engage 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. The directorate is also actively in contact with international ranking agencies (QS, THE, UI Green metrics, UniRank) and has participated in UI Green Metrics 2018, QS Asian University Ranking 2019 and UniRank 2019.

**Dr. Altaf Hussain Nizamani**

Director, Quality Enhancement Cell

University of Sindh, Jamshoro



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**PROSPECTUS 2021**  
**UNIVERSITY OF SINDH**



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