



Serving the nation since 1947

UNIVERSITY OF SINDH

PROSPECTUS-2022

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 Allahndo Shah Sindh University Campus Naushahroferoze

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

DEGREE PROGRAMMES

FACULTY OF ARTS

Bachelor Degree Programme 4 Years (8 Semesters)

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

Master Degree Programme 2 Years (4 Semesters)

MA (Pass)	Arabic
MA (Pass)	Art Education (Evening)
MA (Pass)	English (Morning & Evening)
MA (Pass)	Fine Art
MA (Pass)	Philosophy
MA (Pass)	Persian
MA (Pass)	Sindhi
MA (Pass)	Urdu

FACULTY OF COMMERCE & BUSINESS ADMINISTRATION

Bachelor Degree Programme 4 Years (8 Semesters)

BS	Commerce (Morning & Evening)
BS	Banking and Finance
BBA (Honours)	Business Administration (Morning & Evening)

Master Degree Programme

M.Com (Pass)	Commerce 2 Years (4 Semesters)
MBA	Business Administration 4 Years (8 Semesters)
MBA (Honours)	Business Administration 2 Years (4 Semesters)
MBA	Business Administration 2 Years (6 Semesters) (Evening)

FACULTY OF EDUCATION

Bachelor Degree Programme

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

B.Ed. Secondary	Education 2.5 Years (5 Semesters) (Morning & Evening)
B.Ed. Secondary	Education 1.5 Years (3 Semesters) (Morning & Evening)

FACULTY OF ENGINEERING AND TECHNOLOGY

Bachelor Degree Programme 4 Years (8 Semesters)

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

FACULTY OF ISLAMIC STUDIES

Bachelor Degree Programme 4 Years (8 Semesters)

BS	Comparative Religion
BS	Islamic Studies
BS	Muslim History

Master Degree Programme 2 Years (4 Semesters)

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

FACULTY OF LAW

Bachelor Degree Programme 5 Years (10 Semesters)

LLB	Law
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Master Degree Programme 2 Years (4 Semesters)

LLM	Law (Evening)
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FACULTY OF NATURAL SCIENCES

Bachelor Degree Programme 4 Years (8 Semesters)

BS	Anthropology & Archeology
BS	Biochemistry
BS	Biotechnology
BS	Botany
BS	Chemistry (Morning & Evening)
BS	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 Sciences
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 Semesters)

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

Master Degree Programme 2 Years (4 Semesters)

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

FACULTY OF PHARMACY

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

FACULTY OF SOCIAL SCIENCES

Bachelor Degree Programme 4 Years (8 Semesters)

BS	Criminology (Morning & Evening)
BS	Development Communication
BS	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

BS

BS

Master Degree Programme 2 Years (4 Semesters)

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

Rural Development

Social Work

Sociology (Morning & Evening)

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

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

Evening Programmes

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

INTRODUCTION

The departments comprising the Faculty, together provide a broad 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) Elementary, B.Ed. (Secondary) 1.5 and 2.5 years/ PGD-ECE/ M.Phil. & Ph.D. of the Faculty are conducted jointly by the component departments.

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

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

The teaching faculty comprises the following:

DEPARTMENT OF EDUCATIONAL MANAGEMENT & SUPERVISION

Almani, Abdul Sattar, Professor & Dean

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

Messo, Muhammad Shafi, Professor

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

Panhwar, Uzma, Assistant Professor & Incharge Chairperson

MA (Sindhi), M.Ed. (S.U.), M.Phil. 2007 (HU), Ph.D. 2019 Hamdard University

DEPARTMENT OF EARLY CHILDHOOD AND ELEMENTARY EDUCATION

Siddique, Abida, Associate Professor and Chairperson

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

Mirza, Nida, Assistant Professor

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

Shaheen Anjum, Assistant Professor

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

DEPARTMENT OF SCIENCE AND TECHNICAL EDUCATION

Jafri, Syed Iftikhar Hussain, Professor & Chairman

M.Sc. Statistics 1987, MA 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), Ph.D. (S.U) 2020

Chang, Muhammad Saleem, Assistant Professor

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

Shah, Gulzar Ali Syed, Assistant Professor

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

Noorani, Lubna, Lecturer

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

Rind, Mudasar Ali, Lecturer

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

DEPARTMENT OF DISTANCE, CONTINUING AND COMPUTER EDUCATION

Abbasi, Muhammad Kamran, Associate Professor & Chairman

BCS (Hons) 2005 (QUEST), Ph.D. 2015 (UK)

Siddiqui, Samina Zafar, Assistant Professor

M.Sc. (S.U.) 1993

Sumeru Irum, Assistant Professor

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

Soomro, Saira, Assistant Professor

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

Chachar, Adeel Ahmed, Lecturer

BE (MUET) 2012

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

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

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

Semester VII (Year 4)	C.H.
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SED600	Research Methods in Education (Professional)	3
SED601	Curriculum Developments (Professional)	3
SED 602	Pedagogy-I (Methods of teachings related to specialization (content embedded) (Professional)	3
SED 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

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

POST GRADUATION DIPLOMA IN EARLY CHILDHOOD EDUCATION (ECE) REGULAR ONE YEAR (2 SEMESTERS) (MORNING & EVENING) CH-36

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

First Semester	C.H.
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P.G.D (ECE) 501	Child Psychology	3
P.G.D (ECE) 502	Perspective of ECE	3
P.G.D (ECE) 503	Curriculum and Implimentation	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 (ECE) I	3

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

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
08 M.Phil. in progress.

BS (PHYSICAL EDUCATION, HEALTH & SPORTS SCIENCES): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) 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

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

First Semester		C.H.
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
Second Semester		C.H.
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		
First Semester		C.H.
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(Optional) Games and Athletics	1
Second Semester		C.H.
PEHSS 512	Traumatology & Rehabilitation (Th.)	2
PEHSS 515	Traumatology & Rehabilitation (Lab.)	1
PEHSS 514	Physical Education for Special Population	3

PEHSS 516	Bio Mechanics of Sports	3
PEHSS 518	Rules & Techniques of Games & Sports (Th.)	2
PEHSS 519	Rules & Techniques of Games & Sports (Lab.)	1
PEHSS 520	Qualitative Research Methods in Physical Education	2
PEHSS 521	Teaching Methods and Demonstration	2
PEHSS 523	Skills of Gymnastics Floor (Advanced)	1
PEHSS 525	Specialization in Selected (Optional) 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 (Optional) 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 (Optional) Games and Athletics	1
PEHSS 639	Research Project and Viva-Voce(Quantitative)	3
PEHSS 641	Comprehensive Viva-Voce	2

BPEHSS: BACHELOR OF PHYSICAL EDUCATION, HEALTH & SPORTS SCIENCES, (EVENING) 1 YEAR DEGREE PROGRAMME (2 SEMESTERS) CH-62

Pre-requisite: - B.A. / B.Sc. / B.Com. from any HEC recognized University; Preference will be given to Candidates with evidence of participation in National Provincial/intersarsity/ 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

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 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. with Pre-Medical Group: Pre-Entry Test.

FIRST YEAR

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

Third Semester		C.H.
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
Fourth Semester		C.H.
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		
Fifth Semester		C.H.
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
Sixth Semester		C.H.
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		
Seventh Semester		C.H.
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

<i>Eighth Semester</i>	<i>C.H.</i>
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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 AND FOOD SECURITY: 1 YEAR (2 SEMESTERS) PROGRAMME (25)

The syllabus is made to fulfill these objectives containing theory papers, practical research and project work with laboratory experience.

Pre-requisite: H.S.C, Pre-Medical Group with Second Class.

<i>First Semester</i>		<i>C.H.</i>	<i>Second Semester</i>		<i>C.H.</i>
DFA 300	Introduction to Food Analysis & Food Security	2	DFA 303	Food Safety & Quality control	2
DFA 302	Food Chemistry	2	DFA310	Food Analysis – II	2
DFA 304	Food Analysis-I	2	DFA	Practicals	4
DFA 306	Food Additives	2	DFA 312	Project Work / Internship	3
DFA 305	Practicals	4	DFA 313	Comprehensive Viva	2

BS (ENVIRONMENTAL SCIENCES): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

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

FIRST YEAR

First Semester		C.H.
ES 310	Introduction to Environmental Sciences (Major) Theory	3
ES 311	Introduction to Environmental Sciences (Major) Practical	1
CHEM 320	Chemistry-I Minor Physical Theory Compulsory	2
CHEM 321	Chemistry-I Minor Physical Practical Compulsory	1
MATH 300	Mathematics	3
Minor 320	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology Theory (Minor)	2
Minor 321	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology Practical (Minor)	1
ENGL 300	English (Remedial)-I	3
PAK 300	Pakistan Studies	2
Second Semester		C.H.
ES 312	Environmental Pollution and control technologies Theory (Major)	3
ES 313	Environmental Pollution and control technologies Practical (Major)	1
Minor 322	Chemistry-II Analytical Theory (Minor Compulsory)	2
Minor 323	Chemistry-II Analytical Practical (Minor Compulsory)	1
Minor 322	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology Theory (Minor)	2

Minor 323	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology Practical (Minor)	1
MATH 301	Mathematics	3
ENGL 301	English (Remedial)-II	3
IS/ETH 301	Islamic Studies/ Ethics	2

SECOND YEAR

Third Semester		C.H.
ES 410	Fundamental of Ecology Theory (Major)	3
ES 411	Fundamental of Ecology Practical (Major)	1
Minor 420	Chemistry –III Organic Theory (Compulsory)	2
Minor 421	Chemistry –III Organic Practical (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 Theory (Minor)	2
Minor 421	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology Practical (Minor)	1
ENGL 400	English Compulsory –I	3
CIVIL 400	Civilization	2
Fourth Semester		C.H.
ES 412	Environmental Sampling and Instrumentation Theory (Major)	3
ES 413	Environmental Sampling and Instrumentation Practical (Major)	1
Minor 422	Chemistry –IV Minor Inorganic Theory (Compulsory)	2
Minor 423	Chemistry –IV Minor Inorganic Practical (Compulsory)	1
Minor 422	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology Theory (Minor)	2

Minor 423	Geology/Microbiology/Zoology/Botany/Geography/ Fresh Water Biology/ Statistics/Physics/Bio Chemistry/ Bio Technology/Physiology Practical(Minor)	1
ENG 401	English (Compulsory)-II	3
ENG 401	Communication Skills (Compulsory)	2
COMP 401	Computer Application (N.C)	0

THIRD YEAR

Fifth Semester	C.H.
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ENVS 500	Environmental Management & Public Health	3
ENVS 502	Biodiversity and Natural Conservation	3
ENVS 504	Solid waste Management (Theory)	3
ENVS 505	Solid waste Management (Practical)	1
ENVS 506	Environmental Microbiology (Theory)	3
ENVS 507	Environmental Microbiology (Practical)	1
ENVS 508	Environmental Economics	3

Sixth Semester	C.H.
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ENVS 510	Environmental Chemistry (Theory)	3
ENVS 511	Environmental Chemistry (Practical)	3
ENVS 512	Applied Ecology (Theory)	3
ENVS 513	Applied Ecology (Practical)	1
ENVS 514	Earth and Environment	3
ENVS 516	Environmental Profile of Pakistan	3
ENVS 518	Disaster Risk Management	3

FOURTH YEAR

Seventh Semester	C.H.
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ENVS 600	Environmental Laws & Policies	3
ENVS 602	Energy, Environment & Development Policies	3
ENVS 604	Risk Assessment and Communication	3
ENVS 606	Climatology	3
ENVS 608	GIS and Remote Sensing (Theory)	3
ENVS 609	GIS and Remote Sensing (Practical)	1

Eighth Semester	C.H.
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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

DEPARTMENT OF FRESH WATER BIOLOGY & FISHERIES

The Department of Fresh Water Biology & Fisheries 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 been 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 work and research. 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 the following: -

Baloch, Wazir Ali, Professor & (Dean)

M.Sc. (S.U.) 1987, MS (Japan) 1995, Ph.D. (Kagoshima, Japan) 1998

Lashari, Khalid Hussain, Professor & Chairman

M.Sc. (S.U.) 1995, M.Phil. (S.U.) 2002, Ph.D. (S.U.) 2009

Narejo, Naeem Tariq, Professor

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

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, Assistant Professor (Adhoc basis)

M.Sc. (S.U) 2010, Ph.D. (China) 2018

BS (FRESH WATER BIOLOGY & FISHERIES): 4 YEARS PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. with Pre-Medical Group: Pre-Entry Test

FIRST YEAR

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

<i>Fifth Semester</i>	<i>C.H.</i>	<i>Sixth Semester</i>	<i>C.H.</i>
FWBF 500-501 Limnology	3+1	FWBF 508-509 Phycology	3+1
FWBF 502-503 Cell & Molecular Biology	3+1	FWBF 510-511 Fish Genetics	3+1
FWBF 504-505 Fish & Fisheries Biology	3+1	FWBF 512-513 Freshwater Invertebrates	3+1
FWBF 506-507 Fishery Technology	3+1	FWBF 514-515 Aquatic Macrophytes & Management	3+1

FOURTH YEAR

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

- i. Integrated Fish Farming
- ii. Aquatic Toxicology
- iii. Inland Fisheries Management

FWBF 606-607 Elective 1-3**

- i. Fish Behaviour
- ii. Fish Post Harvest Technology
- iii. Endocrinology

FWBF 614-615 Elective 1-3***

- i. Water Quality Management
- ii. Ecotoxicology
- iii. Fisheries Science
- iv. Aquaculture
- v. Lake Management

**Odd numbered courses are Lab courses/Practicals*

M.Sc. (FRESH WATER BIOLOGY AND FISHERIES): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: B.Sc. (Pass) with Fresh Water Botany-Zoology, Botany-Zoology, Fresh Water Biology-Botany and Fresh Water Biology-Chemistry as elective subjects.

A. M.Sc. (Previous) requirements:

FWBF 500 to FWBF 515 as per 5th & 6th Semester of BS Programme

AND

FWBF 600 to FWBF 618 as per 7th & 8th Semester of BS Programme

Optional for other major subjects

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

Pre-requisite: H.S.C. with Pre-Medical Group, Pre-Entry Test

FIRST YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
ENG 300	English I	3	ENG 301	English- II	3
PKST 300	Pakistan Studies	2	ISST/ETHS 301	Islamic Studies / Ethics	2
STAT/MATH 300	Biostatistics-I/ Mathematics- I	3	STAT/MATH 301	Biostatistics-II / Mathematics- II	3
PHSL 310-311	Cell Biology I	2+1	PHSL 314-315	Cell Biology-II	2+1
PHSL 312-313	Functional Anatomy & Physiology-I	2+1	PHSL 316-317	Functional Anatomy & Physiology- II	2+1
BIOC 320-321	Biochemistry-I	2+1	BIOC 322-323	Biochemistry-II	2+1
ZOO/FWB/BIOT/ IPS 320-321	Functional Anatomy & Physiology-I	2+1	ZOOL/FWB/ BIOT IPS 322-323	Functional Anatomy & Physiology II	2+1

SECOND YEAR

<i>Third Semester</i>			<i>Fourth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
ENG 400	English- III	3	ENG 401	English- IV	3
CVZ 400	Civilization	2	ENVS 401	Environmental Science	2
PHSL 410-411	Physiology of blood & body fluids	2+1	PHSL 414	Introduction to Bioinformatics	2
PHSL 412-413	Plant Physiology	2+1	PHSL 416-417	Neuro-muscular Physiology	2+1
BIOC 420-421	Biochemistry-III	2+1	PHSL 418-419	Principles of Immunology	2+1
ZOOL/FWB/ BIOT/IPS 420-421	Cell Biology	2+1	BIOC 422-423	Biochemistry-IV	2+1
			ZOO/FWB/BIOT IPS 422-423	General Physiology	2+1

THIRD YEAR

<i>Fifth Semester</i>			<i>C.H.</i>	<i>Sixth Semester</i>			<i>C.H.</i>
PHSL 500-501	Molecular Biology	2+1		PHSL 510-511	Endocrinology	2+1	
PHSL 502-503	Cardiovascular System	2+1		PHSL 512-513	Reproductive & Developmental Physiology	2+1	
PHSL 504-505	Pulmonary Physiology	2+1		PHSL 514-515	Physiology of Special Senses	2+1	
PHSL 506-507	Renal Physiology	2+1		PHSL 516-517	Comparative Animal Physiology	2+1	
PHSL 508-509	Gastroenteropancreatic Physiology	2+1		PHSL 518-519	Toxicology	2+1	

FOURTH YEAR

<i>Seventh Semester</i>			<i>C.H.</i>	<i>Eighth Semester</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 and Exercise	2+1		PHSL 614-615	Hematology	2+1	
PHSL 606-607	Physiological Biotechnology	2+1		PHSL 616	Internship/Project	4	
PHSL 608	Research Methodology	3		PHSL 618	Comprehensive Viva-Voce	2	

BS (MEDICAL LABORATORY TECHNOLOGY) (MLT): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. with Pre-Medical Group, Pre-Entry Test

FIRST YEAR

<i>First Semester</i>			<i>C.H.</i>	<i>Second Semester</i>			<i>C.H.</i>
ENG 300	English-I	3		ENG 300	English-II	3	
PKST 300	Pakistan Studies	2		ISST 300	Islamic Studies	2	
MLT 301	Biostatistics	3		MLT 310-311	Cell Biology-II	2+1	
MLT 302-303	Cell Biology-I	2+1		MLT 312-313	General Microbiology	2+1	
MLT 304-305	Functional Anatomy & Physiology-I	2+1		MLT 314-315	Functional Anatomy & Physiology-II	2+1	
MLT 306-307	Laboratory Techniques-I	2+1		MLT 316-317	Laboratory Techniques-II	2+1	
MLT 308-309	Bio-Chemistry-I	2+1		MLT 318-319	Bio-Chemistry-II	2+1	

SECOND YEAR

Third Semester			Fourth Semester		
		C.H.			C.H.
ENG 400	English-III	3	ENG 400	English-IV	3
MLT 400-401	Applied Microbiology	2+1	MLT 410	Principles of Toxicology	3
MLT 402-403	General Pathology	2+1	MLT 412-413	Clinical Pathology	2+1
MLT 404-405	Hematology-I	2+1	MLT 414-415	Hematology-II	2+1
MLT 406	Physiology of Body Fluids	3	MLT 416-417	Immunology	2+1
MLT 408-409	Molecular Biology	2+1	MLT 418-419	Computer Application in Laboratory	2+1

THIRD YEAR

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

Seventh Semester			Eighth Semester		
		C.H.			C.H.
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. (PHYSIOLOGY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-60

Pre-requisite: - B.Sc. (Pass) with Botany/ Zoology/ Microbiology/Biochemistry/Fresh water Biology/Chemistry **OR** after passing Second year BS with Physiology as a subject.

PREVIOUS

First Semester			Second Semester		
		C.H.			C.H.
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	Gastroentopancreatic Physiology	2+1	PHSL 518-519	Toxicology	2+1

FINAL

Third Semester			Fourth Semester		
		C.H.			C.H.
PHSL 600-601	Pharmacology	2+1	PHSL 610-611	Patho – Physiology	2+1
PHSL 602-603	Environmental Physiology	2+1	PHSL 612-613	Behavioral Physiology	2+1
PHSL 604-605	Physiology of Health, Fitness & 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 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. Muhammmad Ali Ghoto was appointed as the First chairman of the Department.

Ghoto, Muhammad Ali, **Professor & Chairman**
B. Pharm (S.U.) 1999, MBA 2005, MA (S.U.) 2007, Ph.D. (S.U.) 2013

Arain, Mudassar Iqbal, Assistant Professor
Pharm D (S.U.) 2010, Ph.D. (S.U.) 2016

Mangi, Rabia Parveen, Assistant Professor
Pharm D (S.U.) 2011, Ph.D. (S.U.) 2019

Kumar, Narendar, Lecturer
Pharm D (S.U.) 2011

Nargis, Saharan, Lecturer
Pharm D (S.U.) 2016

DOCTOR OF PHARMACY (PHARM-D) MORNING & EVENING PROGRAMME

5 YEARS DEGREE PROGRAMME (10 SEMESTERS) CH-198

Pre-requisite: H.S.C.: Pre-Medical with at least **60%** aggregate score.

Curricula for this **5 Years Professional Degree** Programme, spread over TEN semesters, are organised as under:

A. General Requirements CH-11		C.H.
ENG 300-301	English	2+4
IS 302	Islamic Studies/ Ethics (for non-muslims)	3
PS 303	Pakistan Studies	2

B. Professional Requirements CH-187

FIRST YEAR

First Semester		C.H.
ENG 300	English-A (Functional English)	2
PHARM 310	Pharmaceutics-IA (Physical Pharmacy-I) Th.	3
PHARM 311	Pharmaceutics-IA (Physical Pharmacy-I) Lab	1
PHARM 312	Pharmaceutical Chemistry-IA(Organic) Th	3
PHARM 313	Pharmaceutical Chemistry-IA(Organic) Lab	1
PHARM 314	Pharmaceutical Chemistry-IIA (Biochemistry) Th	3
PHARM 315	Pharmaceutical Chemistry-IIA (Biochemistry) Lab	1
PHARM 316	Physiology-A Th	3
PHARM 317	Physiology-A Lab	1
PHARM 318	Anatomy & Histology Th	3
PHARM 319	Anatomy & Histology Lab	1

Second Semester		C.H.
ENG 301	English-B (Communication & Writing skills)	4
PHARM 320	Pharmaceutics-IB (Physical Pharmacy-II) Th	3

PHARM 321	Pharmaceutics-IB (Physical Pharmacy-II) Lab	1
PHARM 322	Pharmaceutical Chemistry-IB (Organic) Th	3
PHARM 323	Pharmaceutical Chemistry-IB (Organic)Lab	1
PHARM 324	Pharmaceutical Chemistry-IIB (Biochemistry) Th	3
PHARM 325	Pharmaceutical Chemistry-IIB (Biochemistry) Lab	1
PHARM 326	Physiology-B Th	3
PHARM 327	Physiology-B Lab	1

SECOND YEAR

Third Semester	C.H.
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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.
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PS 403	Pakistan Studies	2
PHARM 420	Pharmaceutics-IIB (Dosage Form Science-II) Th	3
PHARM 421	Pharmaceutics-IIB (Dosage Form Science-II) Lab 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

Fifth Semester	C.H.
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PHARM 510	Pharmacy Practice-IIA (Dispensing Pharmacy) Th	3
PHARM 511	Pharmacy Practice-IIA (Dispensing Pharmacy) Lab	1
PHARM 512	Pharmaceutical Chemistry-III A (Pharmaceutical Analysis-I) Th	3
PHARM 513	Pharmaceutical Chemistry-III A (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

Sixth Semester	C.H.
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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		(Biopharmaceutics & Pharmacokinetics-II) Th	3
PHARM 526	Pharmacognosy-IIB (Advanced) Th	3	PHARM 627	Pharmaceutics-VB	
PHARM 527	Pharmacognosy-IIB (Advanced) Lab	1		(Biopharmaceutics & Pharmacokinetics-II) Lab	1
	Pharmacy Practice-III		PHARM 628	Pharmaceutics-VIB	
	(Computer and its Applications in Pharmacy) Th	3		(Pharmaceutical Quality Management-II) Th	3
PHARM 529	Pharmacy Practice-III		PHARM 629	Pharmaceutics-VIB	
	(Computer and its Applications in Pharmacy) Lab	1		(Pharmaceutical Quality Management-II) Lab	1
FOURTH YEAR			FIFTH YEAR		
Seventh Semester			Ninth Semester		
		C.H.			C.H.
PHARM 610	Pharmacy Practice-IVA (Hospital Pharmacy-I)	3	PHARM 710	Pharmaceutics-VIIA Pharmaceutical Technology-I) Th	3
PHARM 612	Pharmacy Practice-VA (Clinical Pharmacy-I) Th	3	PHARM 711	Pharmaceutics-VIIA Pharmaceutical Technology-I) Lab	1
PHARM 613	Pharmacy Practice-VA (Clinical Pharmacy-I) Lab	1	PHARM 712	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-I) Th	3
PHARM 614	Pharmaceutics-IVA (Industrial Pharmacy-I) Th	3	PHARM 713	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II) Lab	1
PHARM 615	Pharmaceutics-IVA (Industrial Pharmacy-I) Lab	1	PHARM 714	Pharmacy Practice-VIIA (Forensic Pharmacy-I) Th	3
PHARM 616	Pharmaceutics-VA		PHARM 716	Pharmacy Practice-VIIIA	
	(Biopharmaceutics & Pharmacokinetics-I) Th	3		(Pharmaceutical Management & Marketing-I) Th	3
PHARM 617	Pharmaceutics-VA		PHARM 718	Pharmaceutical Chemistry-IVA (Medicinal Chemistry-I) Th	3
	(Biopharmaceutics & Pharmacokinetics-I) Lab	1	PHARM 719	Pharmaceutical Chemistry-IVA (Medicinal Chemistry-I) Lab	1
PHARM 618	Pharmaceutics-VIA		Tenth Semester		
	(Pharmaceutical Quality Management-I) Th	3			C.H.
PHARM 619	Pharmaceutics-VIA		PHARM 720	Pharmaceutics- VIIB (Pharmaceutical Technology-II) Th	3
	(Pharmaceutical Quality Management-I) Lab	1	PHARM 721	Pharmaceutics- VIIB (Pharmaceutical Technology-II) Lab	1
Eighth Semester			PHARM 722	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II) Th	3
		C.H.	PHARM 723	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II) Lab	1
PHARM 620	Pharmacy Practice-IVB (Hospital Pharmacy-II)	3	PHARM 724	Pharmacy Practice-VIIB (Forensic Pharmacy-II) Th	3
PHARM 622	Pharmacy Practice-VB (Clinical Pharmacy-II) Th	3	PHARM 726	Pharmacy Practice-VIIIB	
PHARM 623	Pharmacy Practice-VB (Clinical Pharmacy-II) Lab	1		(Pharmaceutical Management & Marketing-II) Th	3
PHARM 624	Pharmaceutics-IVB (Industrial Pharmacy-II) Th	3	PHARM 728	Pharmaceutical Chemistry-IVB	
PHARM 625	Pharmaceutics-IVB (Industrial Pharmacy-II) Lab	1		(Medicinal Chemistry-II) Th	3
PHARM 626	Pharmaceutics-VB		PHARM 729	Pharmaceutical Chemistry-IVB	
				(Medicinal Chemistry-II) Lab	1

CENTRE FOR RURAL DEVELOPMENT COMMUNICATION

The Centre for Rural Development Communication (CRDC) is the premier institute of Rural Development Communication in Pakistan. It was established in the year 2002 with the mission to facilitate the proponents of rural development in their endeavor toward the socio-economic well-being of the rural masses by overcoming their information and communication problems and requirements.

The Centre, initially, has following objectives:

- Research on communication related problems and issues of rural areas.
- Training & capacity-building workshops/seminars on communication related problems/needs of organizations working for rural development.
- Extending institutional development expertise/services to rural organizations in planning, developing and implementing their communication strategies.
- Developing effective strategies and communication modules/charts for sustainable development; ensuring vital participation of the stakeholders.
- Creating linkages between public and civil society organizations, policymakers, donors and Programme managers of rural development.
- Since it's founding the CRDC has undertaken many training and research activities in collaboration with many international, national, provincial organizations and NGOs. Its academic Programmes including:
 - Professional Diploma in Rural Development Communication
 - Professional Diploma in Health Communication
 - BS 4-year Programme in Development Communication

The teaching faculty comprises the following:

Memon, Bashir Ahmed, Professor and **Director**
MA (Mass Communication) (S.U.) 2000, Ph. D (U.K) 2011

Khuhro, Rashid Ali, Assistant Professor (Adhoc)
MA (Hons) Mass Communication (S.U.) 2007

Shaikh, Sara Rehman, Lecturer
MA (Mass Communication) (S.U.) 2002

BS (DEVELOPMENT COMMUNICATION): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-136

Pre-requisite: H.S.C. or Equivalent, Pre-Entry Test.

FIRST YEAR

<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

Fourth Semester		C.H.
ENG 401	English	3
S/U 403	Sindhi/Urdu	2
RD/ENV/GSC408	Rural Development/Environmental Sciences/General Sciences	3
DevCom 412	Development Support Communication	4
	Minor-I	3
	Minor-II	3

THIRD YEAR

Fifth Semester		C.H.
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

Sixth Semester		C.H.
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

FOURTH YEAR

Seventh Semester		C.H.
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

Eighth Semester		C.H.
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

PROFESSIONAL DIPLOMA IN RURAL DEVELOPMENT COMMUNICATION: 01 SEMESTER PROGRAMME CH-16

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.

Semester Courses		C.H.
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.

PROFESSIONAL DIPLOMA IN HEALTH COMMUNICATION: 01 SEMESTER PROGRAMME CH-16

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.

Semester Courses		C.H.
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

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- 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, 08 students are in Ph.D. and 31 students in M.Phil. are enrolled. ATSDSC has produced its eleventh 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 the following:

Mughal, Shahabuddin, Professor and Director

MA Economics (S.U.) 1987, LLB (S.U.) 1989, PGD (University of London) 1992, Ph.D. (University of Sindh) 2014

Baloch, Zareen Khan Rind, Assistant Professor

MBA (S. U) 1989 & M.Sc. Agril.Eco. (University of London) 1994, Ph.D. (US) 2020

Talpur, Musharaf 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. Computer Tech. (S.U.) 1998 & M.Sc. R.D (S.U.) 2002

Baghal, Ghazala, Assistant Professor

MA Economics (S.U.) 2006, Ph.D. (US) 2019

Nosheen Abdul Raheem, Lecturer

MA Economics (S.U.) 2005

Mughal, Shahzeb, Teaching Assistant

BS Rural Development (S.U) 2009, M.Phil. Development Studies (S.U) in Process

Jariko, Ghulam Ali, Visiting Professor

MA Eco. 1989, MPA 1987, M.Sc. Rural Dev. 1994 (S.U.), M.Sc. Agril. Econ (University of London) 1999 & Ph.D. (S.U.) 2012

Wagan, Shoib Ahmed, Visiting Faculty

M.Sc. (Hons.) Agricultural Economics (SAU), Ph.D. Regional Rural Planning 2019 (China)

Memon, Qurat-ul-Ain, Visiting Faculty

M.Sc. (Hons.) Agricultural Economics (SAU), Ph.D. Regional Rural Planning 2019 (China)

BS (RURAL DEVELOPMENT): 4 YEARS 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

<i>First Semester</i>			<i>Second Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
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	3
RD 410	Development &	3		Experience in Pakistan	
	Sustainability			Minor- I	3
	Minor- I	3		Minor- II	3
	Minor- II	3			

THIRD YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
RD 501	Gender & Development	4	RD 551	Development Change &	4
RD 502	Small Project Design	4		NGO	
RD 503	New Institutional	4	RD 552	Micro Finance	4
	Economics		RD 553	Marketing System and	4
RD 504	Small Medium Enterprise	3		Development	
RD 505	Basic Statistics and	3	RD 554	Population, Health and	3
	Mathematics			Infrastructure	
			RD 555	Livestock Development	3

FOURTH YEAR

<i>First Semester</i>			<i>Second Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
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. (DEVELOPMENT STUDIES): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: Bachelor degree in Social Sciences. Preferably with Economics, with at least “C” Grade or Second Division (The Programme will only be offered when the number of registered candidates is at least 15).

A. Core courses Requirements:

M.Sc. (PREVIOUS)

		<i>C.H.</i>
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)

		<i>C.H.</i>
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

		<i>C.H.</i>
DS 507	Agricultural Economics for Development	
DS 508	Production Economics	
DS 509	Computer Concepts & Application in Development	

INSTITUTE OF GENDER STUDIES

The Institute of Gender Studies, University of Sindh, Jamshoro was established by the University of Sindh, in 1994, since that day, it has contributed to the cause of gender and development in Sindh province. The Institute has launched postgraduate academic Programmes in Women Studies, Gender Studies and Home Economics and have organised several continuing educational Programmes at Jamshoro, Hyderabad as well as in rural areas for the training and capacity building of various clientele groups including women, academic administrative staff, political leadership and gender and development professionals. Apart from this, the Institute has started classes for postgraduate diploma in Community Development from 2005. Since 2009, the Institute of Gender Studies produces an Annual Research Journal “**THE WOMEN**” (Recognized by Higher Education Commission Islamabad).

In addition, “Women Studies and Gender Studies I and II” are also being offered as Minor subjects for students of other disciplines in Social Sciences and various Programmes of short certificate courses have been introduced in this institute. Moreover, The Institute has also started two new Programmes, BS 4 Year Degree and MS/M.Phil. Degree in Gender Studies from 2014, and started (Ph.D.) Degree in Gender Studies from 2016.

The teaching faculty comprises the following:

Qureshi, Misbah Bibi, Professor and Director

M.Sc. Psychology (S.U) 1995, M.Phil. Psychology (S.U.) 2000, MA (Gender Studies) (Leeds, England) 2004 and Ph.D. (Gender Studies) (Leeds, England) 2012

Buriro, Ameer Ali, Assistant Professor

MA (Social Work) (S.U.)2004, Ph.D. Gender Studies (USM, Malaysia) 2020

Gopang, Najma, Lecturer

MA Economics (S. U) 2000, Diploma in Gender Studies (AIU) 2006, Ph.D. (Gender Studies) (in progress)

Soomro, Sadaf Saeed, Lecturer

M.Sc. Home Economics (S. U) 2006, Ph.D. (Gender Studies) (in progress)

Rajar, Aftab Hussain, Lecturer

MBA Human Resource (S.U.) 2002, Ph.D. (Gender Studies) (in progress)

Soomro, Junaid Razaque, Teaching Assistant

M.Sc. International Relation (Q.U.I) 2013, M.Phil. (Gender Studies) (in progress)

BS (GENDER STUDIES): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-134

Pre-requisite: - H.S.C. or equivalent. Pre Entry Test at least 45% Marks.

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 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

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

<i>Fifth Semester</i>			<i>Sixth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
GS 501	Feminist Research	3	GS 551	Women & Economic Empowerment	3
GS 502	Gender issues in Psychology	3	GS 552	Women and Health in the context of Pakistan	3
GS 503	Women's History in South Asia	3	GS 553	Internship in Gender Studies	3
GS 504	Women and Feminist Movements	3	GS 554	Social Construct of Masculinities	3
GS 505	Status of Women in Pakistan	3	GS 555	Gender, Islamic Laws & Human Rights	3

FOURTH YEAR

<i>Seventh Semester</i>			<i>Eighth Semester</i>		
		<i>C.H.</i>			<i>C.H.</i>
GS 601	Gender and Environment	3	GS 651	Gender and Development	3
GS 602	Women and Work	3	GS 652	Feminist theories and Research	3
GS 603	Gender, Sexuality and Society	3	GS 653	Gender and Politics	3
GS 604	Women & Peace Building	3	GS 654	Research Project	6
GS 605	Counseling for women in Distress	3	GS 655	Women Technology & Entrepreneurship	3
			GS 660	General Viva-Voce (Compulsory)	3

M.Sc. (HOME ECONOMICS): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS)

CH-66

Pre-requisite: - B.Sc. Home Economics

FIRST YEAR (PREVIOUS)

<i>First Semester</i>		<i>C.H.</i>
MHE 502	Statistics-I	3
MHE 504	Research Methods-I	3
MHE 506-507	Advanced Nutrition-I (Specialization in Food and Nutrition)	2+1
MHE 508-509	Biochemistry-I (Specialization in Food and Nutrition)	2+1
MHE 510-11	Food Microbiology-I(Specialization in Food and Nutrition)	2+1

<i>Second Semester</i>		<i>C.H.</i>
MHE 512	Statistics-II	3
MHE 514	Research Methods-II	3
MHE 516-517	Advanced Nutrition-II (Specialization in Food and Nutrition)	2+1
MHE 518-519	Biochemistry-II (Specialization in Food and Nutrition)	2+1
MHE 520-521	Food Microbiology-II (Specialization in Food and Nutrition)	2+1

SECOND YEAR (FINAL)

<i>Third Semester</i>		<i>C.H.</i>
MHE 602-603	Home Economics Education-I (Specialization in Food and Nutrition)	3+1
MHE 604-605	Advanced Dietetics-I (Specialization in Food and Nutrition)	3+1
MHE 606-607	Food Technology-I (Specialization in Food and Nutrition)	3+1
MHE 608	Economic System of Islam	4

Fourth Semester		C.H.
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

MA (WOMEN DEVELOPEMENT STUDIES): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: - Bachelor Degree in any discipline preferably in Social Sciences

FIRST YEAR (Previous)

First Semester		C.H.
WS 501	Introduction to Women Studies	3
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
Second Semester		C.H.
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)

Third Semester		C.H.
WS 600	Women & Law in Pakistan-I	4
WS 601	Women & Environment	4
WS 602	Women & Media	4
WS 603	Women & Health	4

Fourth Semester		C.H.
WS 604	Women & Law in Pakistan-II	4
WS 605	Women, Technology & Entrepreneurship	4
WS 606	Women & Media-II	4
WS 607	Women & Work	4
WS 630	Thesis & Comprehensive Viva- Voce	4

DEPARTMENT OF PSYCHOLOGY

Initiated as combined department of Philosophy and Psychology in 1953, headed by Late Dr. K.A. Hameed with only a skeleton staff, the Department emerged as an independent teaching department in 1958 with Dr. Rafia Hassan as its first Chairperson. In 1962, BA (Hons.) classes were introduced; award of B.Sc. and M.Sc. degrees commenced in 1969. The department introduced courses with stress on Cross Cultural Psychology at Honours and Postgraduate levels in 1972, as main area of emphasis; cross cultural comparison of psychological laws and the analysis of social/ psychological problems of every day life and work are its main focus. The department has introduced BS 4-year Programme from 2006 and M.Phil. Programme in 2000. The job opportunities for our graduates are available in Mental Health Clinics, Hospitals, Prisons, National Armed Services and in Educational Institutes, etc.

The teaching faculty comprises the following:

Shah, Irfana, Professor and Chairperson

MA 1987, Ph.D. (S.U.) 1999

Mumtaz Shahana, Assistant Professor

M.Sc. 1993, M.Phil. (S.U.) 2006

Shaikh, Muniza, Assistant Professor

M.Sc. 1993, M.Phil. (S.U.) 2005, Ph.D. (S.U.) 2019

Jokhio, Farhat, Assistant Professor

M.Sc. (S.U.) 2001

Siddiqui, Fozia, Assistant Professor

M.Sc. (S.U.) 2000

Soomro, Lubna Ahmed, Assistant Professor

MA (S.U.) 2006

Shaikh, Sheeraz Ilyas, Assistant Professor

M.Sc. (S. U) 2000, MA 2005, B.Ed. (S. U) 2003, M.Phil. (IUU) 2016

Panhwar, Marvi, Lecturer

M.Sc. (S.U.) 1998. M.Phil. (S.U.) 2019

Gopang, Meroona, Lecturer

M.Sc. (S. U) 2012, M.Phil. (QAU) 2018

Memon, Parvasha, Lecturer

BS (S. U) 2012, M.Phil. (K.U) 2018

BS (PSYCHOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-130

Pre-requisite: H.S.C. Arts/Humanities/Social Sciences with Psychology as one of the elective subjects OR H.S.C. with Pre-Medical/ Pre-Engineerg. or General Science Group. Pre-Entry Test

SCHEME OF STUDIES INTEGRATEDBS IN PSYCHOLOGY 2020

FIRST YEAR

<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
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/ Psychology (Minor-I)	3	PSY 314	Applied Aears of Psychology (F)	2
312	Introduction to Social Work/ Statistics 1 (Minor-II)	3	PSY 315	Practicals in Psyschology (F)	1
PSY 310	Introduction to Psychology (F)	2	316	Introduction to Management/ Physiology II (Minor-I)	3
PSY 311	Laboratory Work	1	318	Introduction to Mass Communication/Statistics II (Minor-II)	3

SECOND YEAR

<i>Third Semester</i>		<i>C.H.</i>	<i>Fourth Semester</i>		<i>C.H.</i>
ENG 400	Communication Skills (Eng-III)	3	U/S 402	Urdu/Sindhi	3
PSY 412	Congnitive Psyschology (Maj)	3	410	Introduction to Economics/ Biochemistry II (Minor)	3
BIO 404	Biology	3	412	Physical Education/ Mathematics II (Minor)	3
406	Food and Nutrition/ Biochemistry I (Minor-I)	3	PSY 416	Developmental Psychology (Maj)	3
408	IR/Philosophy/Mathematics-I (Minor-II)	3	PSY 418	EducationalPsychology (F)	3
PSY 414	Environmetal Psychology (Maj)	3	PSY 420	Gender Issues in Psychology (Maj)	3

THIRD YEAR

<i>Fifth Semester</i>		<i>C.H.</i>	<i>Sixth Semester</i>		<i>C.H.</i>
PSY 504	MentalHealth and Psycho-Pathology-I	3	PSY 514	Research Methods-II	3
PSY 506	Schools & Perspectives in Psychology-I	2	PSY 516	MentalHealth and Psycho-pathology-II	3
PSY 508	Personality Theories-I	3	PSY 518	Theories of Personality-II	3
PSY 510	Research Methods-I	3	PSY 520	Biological Basis of Behavior	3
PSY 511	Statistics in Psychology	2	PSY 522	Data Analysis using SPSS	3
PSY 512	Psychological Assessment-I	3	PSY 524	Psychology Assessment-II	3
PSY 513	Psychological Assessment Practical	1			

FOURTH YEAR

<i>Seventh Semester</i>		<i>C.H.</i>	<i>Eighth Semester</i>		<i>C.H.</i>
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	3	PSY 618	Family Psychology	3
PSY 608	Internship	3	PSY 620	Internship	3
PSY 610	Research Report	4	PSY 626	Research Report	4

MA / M.Sc. (PSYCHOLOGY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-66

Pre-requisite: - B.Sc. Home Economics/ B.A. / B.Sc. (Pass) with preferably Psychology as an elective subject, with at least 45% marks; M.B.B.S. degree, Pre- Entry Test.

<i>First Semester</i>		<i>C.H.</i>	<i>Second Semester</i>		<i>C.H.</i>
PSY 502	Introduction to Psyschology	3	PSY 514	DevelopmentalPsyschology	3
PSY 504	Psychology Assessment-I	3	PSY 516	Psychology Assessment-II	3
PSY 506	Personality Theories-I	3	PSY 518	Practical in Psychology	3
PSY 508	Mental Health and Psycho-Pathology-I	3	PSY 520	Mental Health and Psycho-Pathology-II	3
PSY 510	Research Methods-I	3	PSY 522	Research Methods-II	3
PSY 512	Schools & Perspectives in Psychology	3	PSY 524	Theories of Personality	3

<i>Third Semester</i>		<i>C.H.</i>	<i>Fourth Semester</i>		<i>C.H.</i>
PSY 600	Cognitive Psyschology	3	PSY 612	Cross CulturalPsyschology	3
PSY 602	Environmental Psychology	3	PSY 614	Gender Issue in Psyschology	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	SocialPsyschology	3	Elective Course		
PSY 610	Biological Basis of Behavior	3	Choose any one		
			PSY 620	Organizational Psyschology	3
			PSY 621	Practicum	3
			PSY 622	Introduction to Deviant behavior	3
			PSY 623	Practicum	3
			PSY 624	Family Psyschology	3
			PSY 625	Practicum	3
			PSY 648	Comprehensive viva-voce	

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, MA Pass two year, M.Phil. and Ph.D. Programmes.

The teaching faculty comprises the following:

Kakepoto, Hammadullah, Professor and **Chairman**

MA (SALU) 1994, MA (English) 1997, M.Phil. 2001, Ph.D. (K.U) 2005, Postdoc (Malaysia) 2007

Shaikh, Saima, Professor

MA (S.U.) 1997, Ph.D. (S.U.) 2005

Wassan, Aijaz Ali, Professor

B.E (Agri) (SAU) 1996, MA (S.U.) 1999, Ph.D. (S.U.) 2008

Brohi, Ahmed Ali, Professor

MA 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, MA (SALU) 1996, Ph. D (K.U) 2013

Junejo, Muneera, Assistant Professor

MA (S. U) 1997, M.Phil. (KU) 2019

Tunio, Shabana, Assistant Professor

M. A (S.U.) 1997, Ph. D (S.U.) 2016

Narejo, Hameeda, Assistant Professor

MA (S.U.) 1998, MS Management Science (Italy)

Khaskheli, Mumtaz, Assistant Professor

MA (S.U.) 2002, Ph. D (Malaysia) 2014

Khoso, Pasand Ali, Assistant Professor

MA (KU) 2005, Ph. D (Malaysia) 2020

Bhutto, Niaz Ahmed, Assistant Professor

MA (S.U.) 2010, Ph. D (S.U.) 2019

Halepoto, Allah Wadhayo, Lecturer

MA (S.U.) 2003

Shah, Saeeda, Lecturer

MA (S.U.) 2008

Brohi, Adeel Khan, Lecturer

M.Sc. (Q.U) 2013

BS (SOCIOLOGY): 4 YEARS DEGREE PROGRAMME (8 SEMESTERS) CH-147

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

FIRST YEAR

First Semester		C.H.	Second Semester		C.H.
CC 301	English (Functional English)	3	CC 311	English-II (Communication Skills)	3
CC 302	Islamic Studies/Ethics for Non Muslims	2	CC 312	Pakistan Studies	2
GC 303	Introduction to Environment	3	GC 313	Introduction to Psychology	3

CC 304	Mathematics	3	GC 314	Introduction to Economics	3
DSFC 305	Introduction to Sociology	3	DSFC 315	Social Anthropology	3
GC 306	Mass Communication	3	CC: UNIV/ 316	Applied Sociology	3
			OPTION		

SECOND YEAR

<i>Third Semester</i>		<i>C.H.</i>	<i>Fourth Semester</i>		<i>C.H.</i>
CC 401	English-III (Techinal 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 SocialResearch	3
DSFC 405	Development of Social Thought	3	DSFC 415	Pakistan Society and Culture	3
			DSFC 416	Sociological Theories	3

THIRD YEAR

<i>Fifth Semester</i>			<i>Sixth Semester</i>		
MC 501	Sociology of Religion	3	DSFC511	Gender Studies	3
DSFC 502	Quantitative Research	3	MC 512	Sociology of Globalization	3
	Methodology		MC 513	Population Studies	3
MC 503	Sociology of Education	3	MC 514	Rural Sociology	3
MC 504	Human Resources Mgt	3	MC 515	Sociology of Social Change and Development	3
DSFC 505	Social Psyschology	3			

FOURTH YEAR

<i>Seventh Semester</i>		<i>C.H.</i>	<i>Eighth Semester</i>		<i>C.H.</i>
MC 601	Sociology of Health	3	MC 611	Community Development	3
DSFC602	Qualitative Research	3	MC 612	Urban Sociology	3
	Methodology		EC 613	Group A: NGO Management	3
MC 603	Project Planning and Mangement	3	EC 614	Group B: Sociology of Aging	3
EC 604	Group A: Rural Development	3	EC 615	Group A: Human Rights	3
EC 605	Group B: Urban Development		EC 616	Group B: Social Entrepreneurship	
EC 606	Group A: Peace and Conflict Resolution	3	EC 620	Research Thesis	6
EC 607	Group B: Sociology of Media				

MA (SOCIOLOGY): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-60

Pre-requisite: Bachelor (Pass) degree, preferably with Sociology as one of the elective subjects, Pre-Entry Test.

PREVIOUS

<i>First Semester</i>			<i>Second Semester</i>		
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/		SOC 653	Sociology of Human Rights	3
	Social Entrepreneurship/Sociology of Human Rights		SOC 654	Social Problems of Pakistan	3
SOC 603	Criminology	3	SOC 609	Research Project	3
SOC 604	Social Problems of Pakistan	3	SOC 610	Viva-voce Comprehensive	3
SOC 605	Sociology of Religion	3			

B. Specialization Requirements:

Any **one** of the under mentioned courses is to be offered:

Specialization

- SOC 605-A, B Sociology of Development
- SOC 605-A, B Industrial Sociology
- SOC 605-A, B Medical Sociology

DEPARTMENT OF SOCIAL WORK

The Department of Social Work was established in 1966 to conduct MA Classes. In the initial stage of its establishment part-time faculty from related disciplines and Directorates of Social Welfare and Health Services were engaged. In 1970, one-year diploma course in Social Welfare was introduced; in 1974, BA (Hons.) Social Work Programme was introduced with induction of regular faculty. Presently 4-year BS and Master in Social Work Programmes are being offered.

The students are imparted theoretical knowledge as well as practical training. The Department prepares students for career in Social Work who are eligible to apply for the post of Case Worker, Community Development Officers, Special and Labor Welfare Officers.

The teaching faculty comprises the following:

Syed Abbas Ali Shah, Assistant Professor and **Incharge Chairman**
MA (S.U.) 1992, LLB 1997, MLA 1998

Syed Lutiful Hasnaen Shah, Assistant Professor
MA (S.U.) 1998

Baloch, Jamshed, Assistant Professor
MA (S.U.) 1993

Syed Faisal Hyder Shah, Assistant Professor
MA 2002, LLB (S.U.) 2006, Ph. D (University Sains, Malaysia) 2018

Zareen Qadeer, Lecturer (On Study Leave)
MA (S.U.) 2003

Khaskheli, Waheed Akbar, Lecturer
MA (S.U.) 2007

Erum Shah, Teaching Assistant
MA (S.U.) 2004, M.B. A 2007, Ph. D (University Sains, Malaysia) 2018

BS (SOCIAL WORK): 4 YEARS DEGREE PROGRAMME (8 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>
SW 520	Social Case Work	3	SW 525	Community Organization & Development	3
SW 521	Social Group Work	3			
SW 522	Sociology of Society and Social Institutions	3	SW 526	Social Research	3
SW 523	Social Services for Special Groups	3	SW 527	Social Problems of Pakistan	3
SW 524	Practical Field Work Placement	6	SW 528	Child Rights and Welfare	3
			SW 529	Practical Field Work Placement	6

FOURTH YEAR

<i>Seventh Semester</i>		<i>C.H.</i>	<i>Eighth Semester</i>		<i>C.H.</i>
SW 600	Social Administration	3	SW 605	Contemporary Social Work	4
SW 601	Statistics	3	SW 606	Human Growth and Personality Development	4
SW 602	Labour Welfare Services	3			
SW 603	Rural Government and Local Government	3	SW 607	Social Legislation	4
SW 604	Practical Field Work Placement	6	SW 608	Practical Community Development Project	6
			SW 609	Research Project	3
			SW 610	Comprehensive Viva-Voce	1

MA (SOCIAL WORK): 2 YEARS DEGREE PROGRAMME (4 SEMESTERS) CH-64

Pre-requisite: Bachelor (Pass) degree preferably with Social Work as one of the elective subjects, Pre-Entry Test.

PREVIOUS

<i>First Semester</i>		<i>C.H.</i>	<i>Second Semester</i>		<i>C.H.</i>
SW 500	Social Case Work	3	SW 505	Community Organization & Development	3
SW 501	Social Group Work	3			
SW 502	Sociology of Society and Social Institutions	3	SW 506	Social Research	3
SW 503	Social Services for Special Group	3	SW 507	Social Problems of Pakistan	3
SW 504	Practical Field Work Placement	6	SW 508	Child Rights & Welfare	3
			SW 509	Field Project	

FINAL

<i>Third Semester</i>		<i>C.H.</i>	<i>Fourth Semester</i>		<i>C.H.</i>
SW 600	Social Administration	3	SW 605	Contemporary Social Work	3
SW 601	Statistics	3	SW 606	Human Growth & Personality Development	3
SW 602	Labour Welfare Services	3			
SW 603	Rural Government and Local Government	3	SW 607	Social Legislation	3
SW 604	Field Project	6	SW 608	Practical Community Development Project	6
			SW 609	Research Project	4
			SW 610	Comprehensive Viva-Voce	1

ALLOCATION OF SEATS:

The candidates having domicile of Badin, Tharparkar, Thatta, Sujawal, Tando Muhammad Khan, Umerkot, Mirpurkhas and Tando Allahyar are eligible for admission at **Laar Campus, Badin**. District wise allocation of seats is as under: Merit Seats: Badin 25, Tharparkar 05, T.M. Khan 05, Thatta 02, Sujawal 05, Umerkot 03, Mirpurkhas 03, Tando Allahyar 02, Girls seats will be treated as one pool for the Girl candidates of these districts. Students of these districts admitted at Main Campus, Jamshoro can be transferred to Laar Campus Badin in the corresponding discipline during the first semester provided seats are available. Thereafter no transfer request will be entertained, and not the vice-versa.

Note: If there is no candidate on waiting list of admission in any discipline in one district then the same Seat of that district will be allotted on merit to the candidate of other districts in the jurisdiction.

Degree Programmes Offered: 04 Year (8-Semester) Degree Programme (Morning)

S	Discipline	Seats Available				
		Merit	Female	Employee	Self Finance	Total
1	BBA (Hons)	50	10	02	15	77
2	BS (Commerce)	50	10	02	15	77
3	BS (Computer Science)	50	10	02	15	77
4	BS (English)	50	10	02	15	77
5	M.Com (2 Year Degree)	50	10	02	15	77

Faculty Members are:

Kalhor, Dr. Muhammad Siddique, Meritorious Professor and **Vice-Chancellor**

B. Sc (Hons), M. Sc (S.U.), Ph. D (London)

Baloch, Muhammad Nawaz, Associate Professor

M. Com (SU), Ph. D. (United Kingdom)

Abro, Altaf Hussain, Assistant Professor

BS IT (SU), Ph. D. (Netherland)

Abbasi, Khalid Hussain, Assistant Professor

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

Bhatti, Khalil-U-Rehman, Assistant Professor (**Incharge, Business Administration**)

MBA (SU), MS (BIZTEK)

Bhatti, Azeem Akhtar, Assistant Professor

M.Com (SU), M.S (MAJU, Karachi)

Talpur, Fozia, Assistant Professor

BS (Electronics) (SU), M.S. (BIZTEK)

Chandio, Muhammad Tufail, Assistant Professor (**Incharge, English**)

MA (English) (SU), M.Phil. (S.U.), Ph.D. (S.U.)

Jamali, Sanaullah, Assistant Professor

BS (SU), M.Phil. (SU)

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)

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 on the main Campus University of Sindh, Jamshoro.

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			
		MeritSeats	Female Quota	Commerce Quota	Total
1.	BBA (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
BBA (Hons)	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 (Computer Science)

M.Sc. Computer Science (S.U.) 1999, Ph.D. (Southern, Denmark) 2014

Nizamani, Sehrish Basir, Assistant Professor (Information Technology)

BSIT (S.U.) 2005, M.Phil. IT (S.U.) 2014

Nizamani, Saad, Assistant Professor (HoD Information Technology)

BS (CS) (S.U.) 2007, MS (CS) PAFKIET Karachi, 2013

Junejo, Dahshilla, Assistant Professor (HoD Commerce)

M.Com. (S.U.) 2005, MS (MUET) 2014

Bhutto, Hameedullah, Assistant Professor (Islamic Studies)

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

Soomro, Muhammad Hanif, Assistant Professor (Information Technology)

BS Information Technology (S.U.) 2007, MS Information Technology (QUEST) 2014

Laghari, Mehjabeen, Assistant Professor (Information Technology)

BSIT (S. U) 2010, M.Phil. (S.U.) 2016

Gilal, Naeem Gul, Assistant Professor (Business Administration)

M.B.A. (SALU) 2007, MS (China) 2016, Ph.D. (China) 2019

Solangi, Muhammad Ali, Assistant Professor (HoD Geology)

M.Sc. (S. U) 2002, M.Phil. (S.U.) 2016

Memon, Zulfiqar Ali, Assistant Professor (Business Administration)

M.B.A. (S.U.) 2012, Ph.D. (China) 2019

Solangi, Nadeem Ahmed, Lecturer (HoD English Language and Literature)

M.A. English Literature (S.U.) 2005

Syed Sajid Ali Shah, Lecturer in Commerce (HoD Business Administration)

M.Com. (S.U.) 2008

Jamali, Abdul Samad, Lecturer (HoD Computer Science)

B.E (QUEST) 2007

Kalhero, Javed Ali, Lecturer in Geology

BS Geology (S.U.) 2011

Hakro, Tauqeer Hussain, Lecturer (Commerce)

M.Com (S.U) 2010, MBA (S.U) 2017, M.Phil. (In Progress)

Kazi, Nabeel Hussain, Lecturer (Electronics)

BS (Electronics) (S.U.) 2010

Degree Programmes offered in Morning

Programmes	Merit	Female	Total
BBA/BSIT/BS (English)	50	10	60
MBA 04 YEARS	50	10	60

Degree Programmes offered in Evening

Programmes	Total Seats
MBA 02 Years (06 Semesters)	60
MA (English) 02 Years (04 Semesters)	60

Distribution of Seats

District-wise allocation of seats on the basis of urban/rural wise will be as under (Subject to confirmation of Urban/Rural status by the Secretary, Local Government of Sindh)

S#	District	Rural	Urban	Total
1.	Dadu	24	16	40
2.	Naushehro Feroz	03	02	05
3.	Jamshoro	03	02	05
	Total	30	20	50

Note: The candidates having domicile of Dadu, Jamshoro, and Naushehro Feroze will be eligible for admission in (Morning Programme). Students of these districts admitted at Main Campus, University of Sindh, Jamshoro can be transferred to **Sindh University Campus Dadu** in the corresponding discipline during the first semester provided seats are available.
No application for transfer will be entertained thereafter not vice versa.

Faculty Members are:

Shah, Azhar Ali, Professor and **Focal Person**

M.Sc. Electronics (S. U) 1998, M.Phil. (S.U.) 2004, Ph.D. (Nottingham University, UK) 2011

Shaikh, Farhan Bashir, Assistant Professor (On Study Leave)

BE (MUET), MS (SZABIST) and Ph.D. in Progress

Panhwar, Kalsoom, Assistant Professor

BE (CS) 2011, ME (CS)(MUET) 2016

Memon, Muhammad Suleman, Assistant Professor (On Study Leave)

BE (CS) MUET 2008, ME (IT) MUET 2014

Malak, Sarfraz Ali, Assistant Professor (On Study Leave)

MBA (SU) 2007, M.Phil. (S.U.) 2017

Soomro, Mansoor Ahmed, Assistant Professor

MBA 2011, M.Phil. (SALU) 2017

Channa, Muhammad Asif, Assistant Professor

MBA 2008, M.Phil. (SALU) 2017

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 (IUI) 2015

Kaloi, Muhammad Ashraf, Lecturer

MA (Literature) 2009 (FUA), MA (Linguistics) (KU) 2011

Magsi, Adnan, Lecturer (on Study Leave Abroad)

MA (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)

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
Total		29	21	50

The candidates having domicile of Larkana, Qambar @ Shahdadkot, Shikarpur, Jacobabad and Kashmore districts are eligible for admission in the Campus.

The students enrolled at University of Sindh, Allama I.I. Kazi Campus Jamshoro may be transferred to **Sindh University Campus Larkana** in corresponding discipline during the first semester, provided that the seats are vacant.

No application for transfer will be entertained thereafter not vice versa.

Faculty Members are:

Gachal, Ghulam Sarwar, Professor Meritorious and Focal Person
M.Sc. (S.U.) 1989, Ph.D. (U.K) 2002

Department of Business Administration

Shaikh, Ghulam Mustafa, Assistant Professor and **Head of Business Department**
BBA (SALU) 2006, MBA (SU) 2008, MS (IBA, Sukkur, Gold Medalist) 2013 and Ph.D. (SALU) in Progress

Kalhor, Maryam, Lecturer (On Study Leave)
BS (Commerce) (S.U.), MBA (SZABIST) and Ph.D. in Progress

Maitlo, Ayaz Ali, Lecturer
BBA (SALU), MBA (SZABIST) and Ph.D. in Progress

Sangi, Sartaj Ahmed, Teaching Assistant
MBA (SZABIST), Ph.D. in Progress

Chandio, Quratulain, Teaching Assistant
MBA (SZABIST), B. Com (SALU)

Department of Computer Science

Kanasro, Nadeem Ahmed, Assistant Professor (On Study Leave)
MCS (SU), M.Phil. (SU) and Ph.D. in Progress

Jamali, Asif Ali, Lecturer (On Study Leave)
BE (MUET, PK), ME (MUET, PK) and Ph.D. (S.U.) in Progress

Samoon, Shazia, Lecturer and **Head of Computer Science Department**
BSCS Silver and Gold Medalist (SU), M.Phil. in Progress

Department of English Language and Literature

Kumbhar, Chahat Batool, Teaching Assistant and **Head of English Department**
BS English (S. U) 2016, B. Ed. (AIU) 2019, Ms (MUET) in Progress

Jhatial, Ruzwana, Teaching Assistant
BS English (SUCL) 2016

Kalhor, Erum, Teaching Assistant
BS English (S.U.)2017, MS (S.U.) in Progress

In addition to the regular Faculty, a large number of professionals and senior faculty members of various Universities, Degree Colleges and Organizations are engaged to impart quality education as visiting faculty at Sindh University Campus Larkana.

Degree Programmes

The Sindh University Campus Thatta offers 04 years Bachelor Degree Programmes and 02 year Masters degree Programmes in Business Administration, English and Coastal Zone Management under district wise Urban and Rural quota-based admission procedure.

The Campus also offers M.Phil. degree Programme in Coastal and Marine Science and Coastal Zone Management.

Degree Courses offered at University of Sindh Campus Thatta

S #	4 Years 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
	2 Years Master Degree Courses					
1.	English MA (Morning Programme)	50	06	02	10	68
2.	Commerce M.Com (Morning Programme)	50	06	02	10	68
3.	Business Administration MBA (Evening Programme)	60				60
4.	Coastal Zone Management M.Sc.(Evening Programme)	60				60

Distribution of Seats

District-wise allocation of seats on Urban/Rural quota system will be as under (subject to confirmation of U/R status by the Secretary Local Government)

S#	District	Rural	Urban	Total
1.	Thatta	08	05	13
2.	Suiawal	04	03	07
3.	Badin	03	02	05
4.	Tando M. Khan	03	02	05
5.	Tharparkar	03	02	05
6.	Jamshoro	03	02	05
7.	Karachi	05	05	10
Grand Total				50

Eligibility criteria for Admission: Refer to the General Information Section of this Prospectus for the eligibility of each degree Programme. Pre Entry Test will be conducted at Sindh University Campus, Thatta.

The students enrolled at University of Sindh, Allama I.I. Kazi Campus Jamshoro may be transferred to Sindh University Campus Thatta in corresponding discipline during the first semester, provided that the seats are vacant. No application for transfer will be entertained thereafter not vice versa.

In addition to the regular teaching faculty; a large number of professionals and senior faculty members of various universities, degree colleges and organizations are engaged to impart quality higher education as visiting faculty at the Thatta Campus

Faculty Members are:

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

Mahar, Mukhtar Ahmed, Professor and **Director**
M.Sc. 1995, Ph.D. (SU) 2009

Bakari, Haroon, Assistant Professor
MBA (S. U) 2009, M.Phil. (NDU) 2016, Ph. D Scholar (S.U.)

Hulio, Mumtaz Ali. Lecturer
MBA (QAU Islamabad) 2011, M.Phil. (S.U.) 2020

Lund, Irfan Ali, Lecturer

MBA (S.U.) 2011, M.Phil. Scholar (S.U.)

Soomro, Suhaib Ahmed, Lecturer

BBA (Suk IBA Uni) 2011, M.Phil. (SALU) 2020

Lashari, Asadullah, Lecturer

BS English (S.U.) 2012, MS (SZABIST) 2018 (On study leave)

Solangi, Hassan Ali - Lecturer

MBA Finance (SZABIST) MS (SZABIST)

Syeda Fiza Shah, Teaching Assistant

MBA Finance (SUTC), M.Phil. Scholar (S.U.)

Jhatial, Soomal, Teaching Assistant

BS CS (SU), M.Phil. Scholar (S.U.)

Memon, Shahryar Ahmed, Teaching Assistant

BS English Linguistics (SUTC), M.Phil. Scholar (S.U.)

Memon, Gul Sana, Teaching Assistant

BS English Linguistics (SUTC), M.Phil. Scholar (S.U.)

Khatri, Muhammad Ali

BS CS (SUTC)

Qureshi, Shoair Ali, Teaching Assistant

BS English Language (NUML), M.Phil. scholar (S.U.)

Jutt, Ayesha Komal, Teaching Assistant

BS English Linguistics (SUTC), M.Phil. Scholar (MUE)

Centre for Coastal and Deltaic Studies, University of Sindh Campus Thatta

Centre for Coastal and Deltaic Studies (CCDS) was established on 8th 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 7th largest delta in the world. It is a productive zone known to be a natural hatchery for a number of marine fauna and flora of Arabian Sea. Due to decrease in water and silt and rising sea levels due to climate change the Indus Delta along with its living resources is under Threat. The CCDS conducts research of applied and basic nature with collaboration of government departments/ministries/agencies, NGOs and National and International Organizations.

Mission

To build human resource capacity and provide research based solutions to challenges and opportunities related to coastal and delta regions of Pakistan in the context of changing ecosystems, seawater intrusions, sea level rise and climate change.

Aim and Objectives

The CCDS with collaboration of academic institutes, government departments/ministries, non-government organizations (NGOs) and international organizations work for the promotion of technical education, scientific research on different aspects and issues related to the marine coastal and delta eco-systems, socio-economics of inhabitant community, natural disasters such as cyclones, floods, seawater intrusion, erosion, sea level rise with special reference to the threat of climate change.

Degree Programme

The Centre for Coastal and Deltaic Studies plans to offer a number of training courses and postgraduate degree courses such as MSc, M.Phil. and Ph.D. in related disciplines.

Disaster Risk Reduction (DRR) 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

M.Sc. (Coastal Zone Management): (4 Semesters) Programme (CH-72)

Pre-requisite; B.Sc., BS degree in any Science discipline

FIRST YEAR

First Semester		C.H.
CZM 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

Second Semester		C.H.
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

Third Semester		C.H.
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

Fourth Semester		C.H.
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 Years Degree Programme (4-Semesters) (CH-60)

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

PREVIOUS

First Semester		C.H.
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

Second Semester		C.H.
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

Third Semester		C.H.
COM 600	Intership Report & Viva-Voce	3
COM 601	Research Methods in Business	3
COM 611	Organizational Behaviour	3
COM 621	Advanced Cost & Management Accounting	3
Second Semester		C.H.
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

Specialization requirements: Any **Two** Courses to be offered from any one of the fields listed here under.

1. Accounting	
COM 631	Advanced Accounting Theory & Problems
COM 632	Governmental Accounting
COM 681	Advanced Auditing Problems
COM 682	Cost Accounting for selected Industries
2. Finance	
COM 641	Islamic Principles of Finance
COM 642	Banking Management
COM 691	Project Management
COM 692	Specialized Financial Institutions
3. Marketing	
COM 645	Marketing Management
COM 646	Retailing Management
COM 695	Advertising
COM 696	Marketing Research
COM 697	Hotel & Restaurant Management

Degree Programmes offered at **University of Sindh Campus Naushahroferoz**

S #	Degree Programmes	General Merit	Female Quota	Total
1.	BBA (Hons) 4 Years Programme	50	10	60
2.	BS (Computer Science) 4 Years Programme	50	10	60
3.	BS (Information Technology) 4 Years Programme	50	10	60
4.	BS (English) 4 Years Programme	50	10	60
5.	MBA (4 Years Programme)	50	10	60
6.	MA (English) 2 Years Programme	50	10	60
7.	MBA (2 Years 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
	Total	40	10	50