



PROSPECTUS
2025-26



THE UNIVERSITY OF MODERN SCIENCES



THE UNIVERSITY OF MODERN SCIENCES

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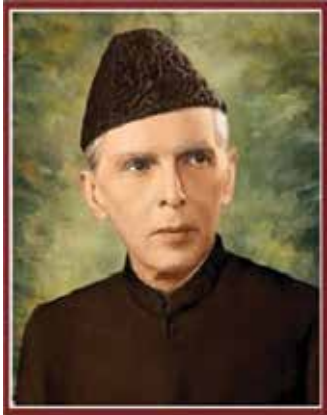
PROSPECTUS

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INDEX

Message of Quaid-e-Azam / Allama Iqbal	01	Generic BSN (04 Years Degree Program)	87
Message of The Chancellor	07	Post RN BSN (02 years Degree Program)	93
Message of The Vice-Chancellor	08	2 years Certified Nursing Assistant (CNA) Diploma	98
Mission Vision Core Values	09	Post Basic Cardiac Nursing Diploma	101
Tums Organisational Chart	11	Post Basic ICU Nursing Diploma	103
Introduction of Doctor of Physical Therapy	13	Diploma in CT Technology	110
Objectives of The Program DPT	15	Diploma in X-Ray	112
Rules of Admission	16	Diploma in Blood Bank And Transfusion	113
Rules of Examination	21	Diploma in Ophthalmic Technician	114
Inauguration Ceremony of DPT	23	Diploma in Dental Technician	115
Academic Program Pharm.D	28	Diploma in Refraction Technician	117
Facilities of Department of Pharmacy	34	Paramedical Programs	120
Visit By The Pharmacy Council of Pakistan	36	Clinical Course	121
Inspection by The Pharmacy Council of Pakistan	37	1st Convocation of Indus College of Nursing, A Grand Success!	130
Orientation Day	38	Step Into Your Future: Tums Entrance Test 2025	132
Introduction of BS Medical Laboratory Technology (BS MLT)	41	Tums Engages with International Delegates at The 5th Rector's Conference 2024	133
Core Objectives	43	MOU Signing Ceremony Between Tums and PIHS	135
Introduction of BS Radiography and Imaging Technology	49	A Journey Begins: Orientation Day 2025 Observed At Tums & IMC	136
Introduction of BS Bio-Chemistry	56	Faculty Development Program Held At Tums	137
MS/MPHIL In Bio-Chemistry	61	Tums Students Condemn India's Suspension of Indus Waters Treaty	138
Introduction of Bachelor of Business Administration (BBA)	65	Tums Students Participated At Sindh Sports Olympiad 2025	139
Introduction of Ms/M.Phil in Business Administration	70	Tums Strongly Condemns Acts of War And Aggression By India	140
Introduction of BS. Information Technology (BS IT).	78	Youm-E-Tashakkur Celebration at Tums & Indus Medical College	141
Introduction of Indus College of Nursing	83	Eid Gala 2025: Sharing The Joy of Celebration Together!	144
Facilities at Indus College of Nursing	85		



Quaid-e-Azam
MUHAMMAD ALI JINNAH
FOUNDER OF PAKISTAN

Pakistan is proud of her youth, particularly the students, who are nation builders of tomorrow. They must fully equip themselves by discipline, education and training for the arduous task lying ahead of them.

Shair-e-Mashriq
ALLAMA MUHAMMAD IQBAL

Be aware of your own worth, use all of your power to achieve it. Create an ocean from a dewdrop, Do not beg for light from the moon, obtain it from the spark with in you .



WELCOME TO

THE UNIVERSITY OF MODERN SCIENCES

TANDO MUHAMMAD KHAN, SINDH - PAKISTAN

**A Place to Nurture Ethical and Competent Health Care
Professionals ready to take challenges. and spread Knowledge
for a Better world.**

DISCLAIMER

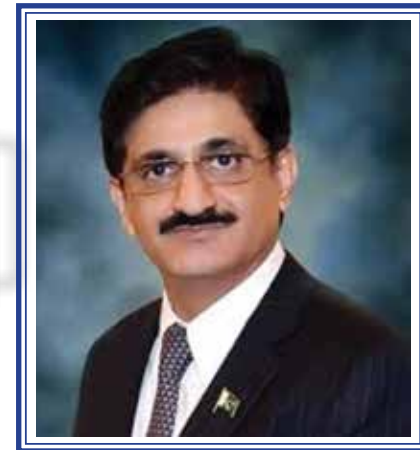
Whilst every effort has been made to ensure the accuracy of the information provided in this prospectus, The University reserves the right to alter, without notice after any of the content published herein are otherwise advertised.





MUHAMMAD KAMRAN KHAN TESSORI
GOVERNOR OF SINDH

SYED MURAD ALI SHAH
CHIEF MINISTER OF SINDH



MEMBERS OF PROFESSIONAL ASSOCIATES COMMUNITY SERVICES FOUNDATION



PROF. DR. JAN MOHAMMAD A. MEMON
MANAGING DIRECTOR



ENGR: QAMAR ZAMAN
DEPUTY MANAGING DIRECTOR



ENGR: QAZI FAIZ MUHAMMAD
DEPUTY MANAGING DIRECTOR II



DR. MUHAMMAD IQBAL MEMON
DIRECTOR GENERAL



MR. SHAHZEB AZIZ
DEPUTY DIRECTOR GENERAL



MR. CHAMAN LAL JEEWANI
DIRECTOR FINANCE



MR. MUHAMMAD FARHAN
DIRECTOR



MR. ABDUL RAFIQUE MEMON
DIRECTOR



MR. MUHAMMAD TOUFEEQUE
DIRECTOR



DR. MUSHTAQ AHMED NIZAMANI
DIRECTOR



MR. MOHAN LAL
DIRECTOR



MR. JAVED KHAN
DIRECTOR



ENGR. PIR ASIM JAN SIRHANDI
DIRECTOR

PRINCIPAL OFFICERS OF THE UNIVERSITY



DR. MUHAMMAD IQBAL MEMON
CHANCELLOR



PROF. DR. FEROUZ MEMON
VICE CHANCELLOR



ENGR. QAZI FAIZ MUHAMMAD
PRO VICE CHANCELLOR



QAMAR-UZ-ZAMAN MEMON
RECTOR



MUSHTAQ ALLY QURESHI
REGISTRAR



NAWAZ ALI G. BHUTTO
CONTROLLER OF EXAMINATION

Message of the **CHANCELLOR**



DR. MUHAMMAD IQBAL MEMON
CHANCELLOR

The University Of Modern Sciences has been a torch bearer of quality medical education in the country for more than a decade. Known for quality education, the institution has been consistently ranks amongst the leading medical institutions in the country. As the Patron of The University of Modern Sciences, I am proud to lead the institution in fulfilling its commitment to improve the healthcare sector of the nation through excellence in medical education, biomedical research and patient care.

As methods of learning, discovery and healthcare delivery grow increasingly complex; The University of Modern Sciences is keeping pace and breaking new grounds. Our worth-mentioning achievements are the recruitment of clinical and research faculty of national renown, provision of latest technology to further learning and the expansion of academic facility to meet the needs of our students pertinently.

With a dedicated and highly skilled faculty, excellent infrastructure, library facilities, museums and laboratories for skills training, the institution has been attracting innumerable students for the past many years from both within and outside the country. The graduates from the college are successfully practicing medicine not only in Pakistan but in the USA, UK, Middle East and other European countries.

Our Endeavour has been to provide the best to the students preparing them to take up the responsibility of health care provision professionally, ethically and safely. They are specifically trained to conduct research in all the aspects of health and provide evidence-based healthcare pertaining to the ever changing requirements of populations. Consequently, the performance of our graduates has always been outstanding as they pursue the institutional goals of excellence in medical education and healthcare.

Message of the **VICE-CHANCELLOR**



PROF. DR. FEROZ MEMON
VICE-CHANCELLOR

I have joined THE UNIVERSITY OF MODERN SCIENCES (TUMS) at an exciting and indeed a challenging time, where the university finds itself at the cross roads of its embryonic development and being a driver of societal change. Leading a university is an intellectually rewarding venture, but one that is far from easy. It requires certain equipoise between efficient management and the recognition and enhancement of Intellectual freedom and creativity, TUMS was brought into existence with the very idea that It will assume a stewardship role for health care education and research in the Tando Muhammad Khan Sindh – Province and through the work of my predecessors.

TUMS has been able to launch multiple academic programs to fulfill that role. Now, I have accepted the challenge to not only nurture and consolidate the current portfolio of programs but also to further expand it according to the needs of our health system. However, I feel that there is an even more important task at hand that is to inculcate the true essence of education into the students of TUMS and to make them find a bigger purpose in life rather than considering their qualifications only as a vehicle for financial success. And it is perhaps the greatest social influence a university can have, for we too often forget that there is a moral core to what we do. My vision is to make TUMS a center of knowledge sharing and generation, with the critical study and debate of human values and what it means to be human, at its heart. I aim to lead the university into an era of innovation and cutting edge scientific inquiry with a truly scientific, social, and economic impact. A place where students are enabled and stimulated to achieve human excellence, and where the ethics and values of quality assurance, transparency, merit, openness, accessibility, participatory approach and gaining public confidence are held supreme.



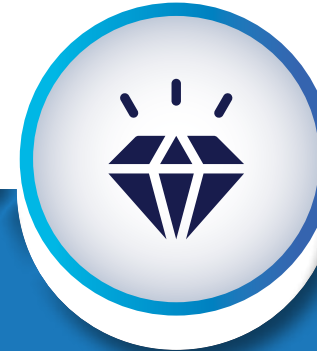
MISSION

TO ENSURE ACADEMIC EXCELLENCE THROUGH DELIVERANCE OF QUALITY EDUCATION AND APPLIED RESEARCH IN A COLLEGIATE ENVIRONMENT HAVING STRONG LINKAGES WITH INDUSTRY AND INTERNATIONAL COMMUNITY TO MEET THE SOCIETAL CHALLENGES.



VISION

TO BECOME A KNOWLEDGE AND CREATIVITY DRIVEN INTERNATIONAL UNIVERSITY THAT CONTRIBUTES TOWARDS DEVELOPMENT OF SOCIETY.



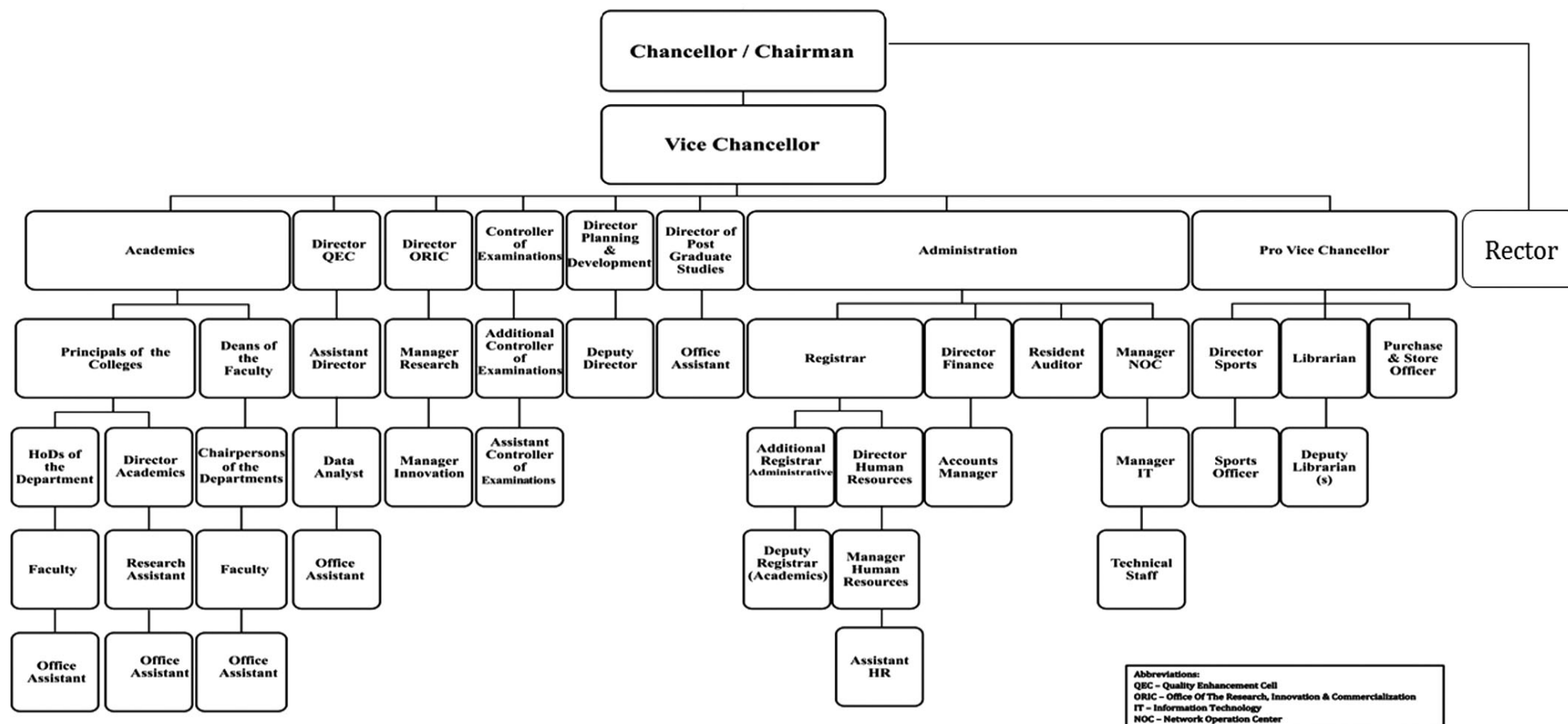
CORE VALUES

- EXCELLENCE
- SELF DISCIPLINE
- INTEGRITY



The University of Modern Sciences Located in Tando Muhammad Khan, Sindh, Pakistan. It is the 1st ever private university of rural Sindh. Keeping the growing need of the demand of quality education in the less privilege areas, the "Professional Associates Community Services Foundation, Tando Muhammad Khan (PACSF)" has established, university under the name of "The University of Modern Sciences" and the Sindh Assembly has granted its chartered. AND the University accredited to run their courses in various Faculties by recognized by HEC.

TUMS ORGANISATIONAL CHART



PROGRAMS OFFER

UNDERGRADUATE PROGRAMS - TUMS

1.	Bachelor of Medicine and Bachelor of Surgery (MBBS)	05 Years
2.	Doctor of Physical Therapy – DPT	05 Years
3.	Doctor of Pharmacy – Pharm- D	05 Years
4.	BS. Medical Laboratory Technology –BS. MLT	04 Years
5.	BS. Biochemistry	04 Years
6.	Bachelor in Business Administration (BBA)	04 Years
7.	BS.Radiologic Technology –BS.RT	04 Years
8.	BS. Forensic Sciences in Forensic Biology - BS.FB	04 Years
9.	BS. Information Technology	04 Years
10.	Nursing - Generic BSN	04 Years
11.	Nursing – Post RN. BSN	02 Years

DIPLOMA PROGRAMS – INDUS COLLEGE OF NURSING

1.	Certified Nursing Assistant (CAN) Diploma	02 Years
2.	Post Basic “Cardiac Nursing” Diploma (CCU)	01 Year
3.	Post Basic “ICU Nursing” Diploma	01 Year
4.	Diploma in “CT Scan Technology”	01 Year
5.	Diploma In X-Ray	01 Year
6.	Diploma in Blood Bank and Transfusion	01 Year
7.	Diploma in Ophthalmology Technician	01 Year
8.	Diploma in Dental Technician	01 Year
9.	Diploma in Refraction Technician	01 Year

POSTGRADUATE PROGRAMS - TUMS

1.	Department of Pediatrics	FCPS / MCPS
2.	Department of Obstetrics & Gynecology	FCPS / MCPS
3.	Department of Otto-Rhino-Laryngology E.N.T	FCPS / MCPS
4.	Department of Ophthalmology	FCPS / MCPS
5.	Department of Surgery	FCPS
6.	Department of Orthopaedic Surgery	FCPS
7.	Department of Medicine	FCPS
8.	Diagnostic Radiology	MCPS
9.	Department of Community Medicine	FCPS / MCPS
10.	Department of Forensic Medicine	FCPS / MCPS
11.	Pharmacology & Therapeutics	FCPS
12.	Department of Physiology	FCPS

CONSTITUENT COLLEGES / FACULTIES – TUMS

1.	Faculty of Medical & Health Sciences
2.	Indus Medical College
3.	Indus College of Pharmacy
4.	Indus College of Physical Therapy
5.	Indus College of Nursing
6.	Indus College of Allied Health Sciences
7.	Faculty of Science and Technology
8.	Faculty of Business and Management Sciences



INTRODUCTION OF DOCTOR OF PHYSICAL THERAPY

Doctor of Physiotherapy (DPT or Physical Therapy) five (05) years program started at Indus College of Physical Therapy from the year 2021 - 22

This Institute is well-equipped with modern facilities i.e. Lecture Halls, Medical Physics Lab, various Physio-Labs, Reading and Lending Library, Out Patient Department and comfortable atmosphere with Air-conditioners and teaching aids. The students have not only the opportunity to see the working of gadgets but also have the chance to practically learn the methods of Physiotherapy on the patients attending the O.P.D and also wards in The University of Modern Sciences.

In order to keep improving and update the knowledge of faculty of IPRS and staff of OPD, organizing / conducting continuous Medical Education (CME) and Workshops. There has been a change in the teaching and training in the modality of treatment of various diseases through Physiotherapy with the advancements in the medical science, basic graduation throughout world is changing from four years program of Bachelor of Sciences in Physiotherapy to five (05) years degree program of Doctor of Physical Therapy (DPT). The TUMS nevertheless is not left behind and is the first Private Sector Institute of Sindh Province to start the Doctor of Physical Therapy (DPT) five years degree program.

MISSION

The Mission of the Doctor of Physical Therapy Program is to:

1. Maintain the department's long and traditions of leadership and excellence in Physical Therapy education.
2. Create innovate educational programs.
3. Promote the provision of ethical, efficient and cost-effective physical therapy services.
4. Serve the Physical therapy needs of the national and international communities..

VISION

The Vision of the DPT Program:

To educate professional doctoral physical therapists who are knowledgeable, self-assured, adaptable, reflective, humanistic, and service-oriented and who by virtue or critical thinking, life-long learning, and ethical values, render independent physical therapists as advanced clinicians, researchers, and educators who are capable of discovering and applying new knowledge about physical therapy and relating physical therapy theory to practice. judgements concerning patient/ client needs to educate post professionals.



OBJECTIVES OF THE PROGRAM DPT

Graduate of the Doctor of Physical Therapy Program will:

1. Demonstrate in-depth knowledge of the basics and clinical sciences relevant to physical therapy, both on their fundamental context and in their application to the discipline of physical therapy. Understand, correlate and apply theoretical foundations of knowledge to the practice of physical therapy, evaluate and clarify new or evolving theory relevant to physical therapy.
2. Demonstrate the behaviors of the scholarly by developing and utilizing the process of critical thinking inquiry, particularly focused on the improvement to the practice of the physical therapy and the delivery of health care.
3. Engage in effective practice through sound clinical decision making, critical self assessment and commitment to lifelong learning.
4. Demonstrate mastery of entry level professional clinical skill, provision of these services is based on the best available evidence and includes physical therapy.



RULES OF ADMISSION

ELIGIBILITY CRITERIA:

The admission in the course of Doctor of Physiotherapy will purely be on merit basis.

1. Those candidates who have been passed the Higher secondary School Certificate (HSC) Examinations (Pre Medical Group) or 'A' level (Pre-Medical) secured at least 60% in aggregate from any Board of Higher Secondary Education in Pakistan or any Institution from Foreign Countries duly recognized by Inter-Board Committee of Chairman (IBCC) are eligible to apply for the DPT Admission.
2. The candidate should be permanent Resident of any District of Sindh
3. FORMULA FOR WORKING OUT THE OVERALL MERIT:
 1. HSC (Pre- Medical) / Equivalent Examination: 50% weightage
 2. Entry Test: 50% weightage
4. Once option exercised for admission will be final and there will be no change in the admission category from "Self Finance" or "Overseas" to District Merit but in case the candidate who is finally declared for provisional selection under District Merit Category, if, he/she leaves/ withdraws from provisional selection or in case such seat under same category falls vacant from any District of Sindh during the period before or up to 45 days same it shall be filled through changing the admission category of candidate who is standing next on merit and he/she has selected provisionally under Self-finance belonging from district whose merit seat falls vacant and such vacant seat shall be filled through maintaining of merit as per merit list Self-Finance category.
5. The period of 45 days shall be countable from the commencement of classes of 1st year 1st semester of every Academic Session.
6. In case a seat(s) fall(s) vacant during first forty-five (45) days of the academic year of admission the same shall be filled by adapting the aforesaid procedure, any seat falling vacant upto period of 45 days, it shall not be filled and same shall stand
7. Vacant / forfeited.
8. The candidates who apply for admission on the basis of fake certificates/ documents and detected at any stage shall be liable to prosecution under criminal law and their admission shall be cancelled. The University reserves right to take legal action against the candidate.
9. Candidate who is finally selected for admission on District Merit/ Self-Finance/ Overseas or any category shall have to pledge, through an affidavit that He/ She shall complete the course of Doctor of Physiotherapy (DPT) five (05) years. In case He /she leaves the Institute.
10. Indus College of Physical Therapy before completing the Course for any reason, He /she will submit a Pay Order/ Demand Draft of Rs. 100, 000/ (Rupees One Lac Only) payable to the Institute of Physiotherapy & Rehabilitation Sciences. TUMS. as a penalty for wasting a precious seat.

Scheme of Study of Doctor of Physical Therapy (DPT)

This program comprises a minimum of 174 Credit Hours.

A STUDY PLAN
DOCTOR OF PHYSICAL THERAPY (DPT)
DURATION: 5 YEARS

YEAR 1 | First Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-301	Anatomy - I	4 (3-1)
DPT-303	Physiology - I	3 (2-1)
DPT-305	Kinesiology- I	3 (2-1)
ENG-307	English-I (Functional English)	3 (3-0)
DPT-309	Pakistan Studies	2 (2-0)
COM-311	Introduction To Computer	3 (2-1)
	TOTAL CREDIT HOURS	18

YEAR 2 | Third Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-401	English - III (Technical Writing and Presentation Skills)	3 (3-0)
DPT-403	Medical Physics	3 (2-1)
ENG-405	Anatomy - III	3 (2-1)
DPT-407	Physiology – III	3 (2-1)
DPT-409	Bio Mechanics and Ergonomics - I	3 (3-0)
DPT-411	Bio Chemistry – I	2 (2-0)
FQ-423	Fehm-e-Quran - II	1 (1-0)
	TOTAL CREDIT HOURS	18

YEAR 1 | Second Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-302	Anatomy - II	4 (3-1)
DPT-304	Physiology – II	3 (2-1)
DPT-306	Kinesiology- II	3 (2-1)
ENG-308	English - II (Communication Skills)	3 (3-0)
ISL-310	Islamic Studies / Ethics	2 (2-0)
DPT-312	Sociology	2 (2-0)
FQ-323	Fehm-e-Quran - I	1 (1-0)
	TOTAL CREDIT HOURS	18

YEAR 2 | Fourth Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-402	Anatomy - IV (Neuro Anatomy)	3 (2-1)
DPT-404	Bio Mechanics and Ergonomics - II	3 (2-1)
DPT-406	Health and Wellness	2 (2-0)
DPT-418	Bio Chemistry - II	3 (2-1)
DPT-410	Exercise Physiology	3 (2-1)
DPT-412	Molecular Biology and Genetics	2 (2-0)
	TOTAL CREDIT HOURS	16
	TOTAL CREDIT HOURS	18

A STUDY PLAN
DOCTOR OF PHYSICAL THERAPY (DPT)
DURATION: 5 YEARS

YEAR 3 | Fifth Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-402	Anatomy - IV (Neuro Anatomy)	3 (2-1)
DPT-404	Bio Mechanics and Ergonomics - II	3 (2-1)
DPT-406	Health and Wellness	2 (2-0)
DPT-418	Bio Chemistry - II	3 (2-1)
DPT-410	Exercise Physiology	3 (2-1)
DPT-412	Molecular Biology and Genetics	2 (2-0)
	TOTAL CREDIT HOURS	16

YEAR 4 | Seventh Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-601	Medicine - I	3 (3-0)
DPT-603	Surgery - I	3 (3-0)
DPT-605	Radiology and Diagnostic Imaging	3 (2-1)
DPT-607	Musculoskeletal Physical Therapy	3 (2-1)
DPT-609	Evidence Based Practice	3 (2-1)
DPT-611	Supervised Clinical Practice - III (Pr)	3 (0-3)
	TOTAL CREDIT HOURS	18
	TOTAL CREDIT HOURS	18

YEAR 3 | Sixth Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-502	Pathology and Microbiology - II	3 (2-1)
DPT-504	Pharmacology and Therapeutics - II	2 (2-0)
DPT-506	Physical Agents and Electrotherapy - II	3 (2-1)
DPT-508	Bio Statistics - II	3 (3-0)
DPT-510	Community Medicine and Rehabilitation	3 (3-0)
DPT-512	Supervised Clinical Practice - II (Pr)	3 (0-3)
	TOTAL CREDIT HOURS	17

YEAR 4 | Eighth Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-602	Medicine - II	3 (3-0)
DPT-604	Surgery - II	3 (3-0)
DPT-606	Neurological Physical Therapy	3 (2-1)
DPT-608	Scientific Inquiry and Research Methodology	3 (2-1)
DPT-610	Emergency Procedure and Primary Care in Physical Therapy	3 (2-1)
DPT-612	Supervised Clinical Practice - IV (Pr)	3 (0-3)
	TOTAL CREDIT HOURS	18

A STUDY PLAN
DOCTOR OF PHYSICAL THERAPY (DPT)
DURATION: 5 YEARS

YEAR 5 | Ninth Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-701	Cardiopulmonary Physical Therapy	3 (2-1)
DPT-703	Prosthetics and Orthotic	2 (2-0)
DPT-705	Clinical Decision making and Differential Diagnosis	3 (3-0)
DPT-707	Manual Therapy	3 (2-1)
DPT-709	Professional Practices (Laws, Ethics and Administration)	2 (2-0)
DPT-711	Integumentary Physical Therapy	2 (0-2)
DPT-713	Supervised Clinical Practice - V (Pr)	3 (0-3)
	TOTAL CREDIT HOURS	18

YEAR 1 | Second Semester

COURSE CODE	COURSE TITLE	CREDIT HOURS
DPT-702	Obstetrics and Gynecological Physical Therapy	2 (2-0)
DPT-704	Paediatric Physical Therapy	2 (2-0)
DPT-706	Gerontology and Geriatric Physical Therapy	2 (2-0)
DPT-708	Sports Physical Therapy	2 (2-0)
DPT-710	Supervised Clinical Practice - VI (Pr)	4 (0-4)
DPT-712	Research Project	6
	TOTAL CREDIT HOURS	18

DPT-701	Cardiopulmonary Physical Therapy
DPT-703	Prosthetics and Orthotic
DPT-705	Clinical Decision making and Differential Diagnosis

NOTE:

This scheme of curriculum is also applicable to annual system; in which two consecutive semesters will be considered as one professional year.

Credit Hours Distribution Is As Following:

Theory:

one credit hour shall be equal to one hour of teaching per week throughout the semester.

Clinical:

one credit hour shall be equal to three hours of clinical work per week throughout the semester.

HOUSE JOB:

After graduation, DPT graduates will be absorbed for the House Job for period of one (01) year in the hospital's affiliated to the University of Modern Sciences. They will be paid monthly stipend after successful completion will have the certificates of internship / House Job.

EVALUATION SYSTEM:

Log Book:

For Theory

For Practical / Clinical

Internal Evaluation:

(After 6th or 12th week of every semester)

Practical / Lab:

one credit hour shall be equal to two hours of lab work per week throughout the semester.

Research:

One credit hour shall be equal to three hours of research work per week throughout the semester.

Semester Examination

SBQs	50
SEQs	30
Attendance	10
Internal Evaluation	10
Total	100
Viva / Practical	100

RULES OF EXAMINATION :

1. The students having minimum 75% attendance and are cleared all dues of fees will be eligible to appear in the semester examinations. Any student who fails to maintain minimum attendance as prescribed by the University / Indus College of Physical Therapy for appearance, his/her examination form shall not be forwarded to the Controller of Examinations (UG).
2. Beside the Semester Examinations, two internal Evaluation Tests after every six (06) Weeks study will be conducted and students should secure at 50% marks in each test.
3. The organization of semester system is given below.

PROMOTION POLICY

Promotion from one academic year to next higher academic year.

Policy of conducting Re-sit repeat examination.

First and Second Semester Examinations.

1st semester students who after appearing in 1st Semester (Regular) examination, either declared pass or fail will be allowed promotion to 3rd Semester.

Upon promotion in 2nd Semester, Students who have either passed or failed in 1st Semester examination both will be allowed to appear in 2nd Semester examination.

Pending result of 2nd Semester examination, if the classes for 3rd Semester are commenced, students of 2nd Semester (Either passed or failed in 2nd semester) will be allowed to attend the classes of 3rd semester.

After announcement of 2nd semester examination result. students of 1st and 2nd Semesters will fall in the following groups:

- a) Passed First and Second Semesters.
- b) Passed Second Semester but failed in First semester.
- c) Passed First Semester but failed in Second Semester

both the semesters

Students under category B, C and D will then be allowed re-sit examinations of 1st and 2nd Semesters simultaneously while they remain under study process of 3rd Semester.

After announcement of re-sit (repeat) examinations result of both 1st & 2nd semesters, the students will be bifurcated into the following groups:

1. Passed 1st & 2nd semester's examinations completely they will continue in 3rd Semester
2. Students who failed either in 1st Semester or in 2nd Semester or both semester examinations shall be reverted i. e. termed back to 1st Semester or 2nd semester.

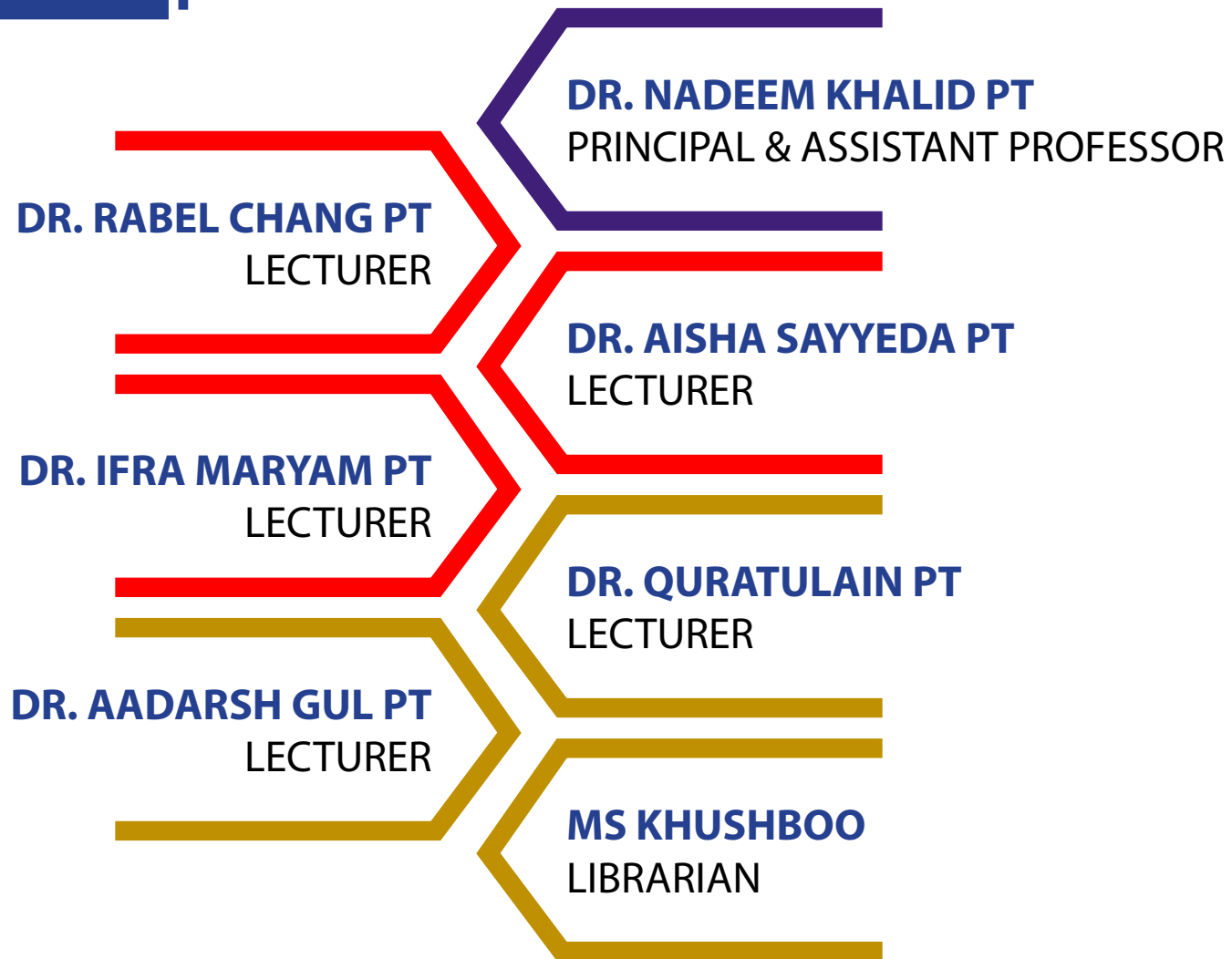
Above group of students of "DPT" after term "B" will repeat the failure subject(s) of semester I or II with junior batch.

IMPORTANT:

In case of their failure in subject(s) of 1st / 2nd or both Semesters with junior batch (repeat examination) they shall cease to be eligible for further education in ICPT, TUMS.

Note: This system applies to all the semesters in all the / five years

FACULTY



INAUGURATION CEREMONY OF DPT





INDUS COLLEGE OF PHARMACY

MISSION

The mission of the Indus College of Pharmacy is to produce pharmacy graduates and practitioners, advance research, deliver quality evidence-based patient-centered care, and provide service to the profession.

OBJECTIVES

The objectives of doctor of pharmacy program are to prepare pharmacists who will have capacity, up-to-date knowledge, strong ethical values, behavior, communication writing and social skills that will enable them to pursue careers in.

Pharmaceutical care in health system and community environment where appropriate medication usage and patient's safety is paramount.

Pharmaceutical Industry and its quality system.

Academia, Research and development.

ELIGIBILITY CRITERIA:

HSSC Intermediate Science Pre-Medical/A-Level or Equivalent:

Min. 60% marks or equivalent only certified by IBCC

NUMBER OF SEATS AND CATEGORIES OF SEATS

100 Seats are approved by Pharmacy Council of Pakistan.

Scheme of Study of Doctor of Pharmcy (Pharm.D)

This program comprises a minimum of 200 Credit Hours.

A STUDY PLAN
DOCTOR OF PHARMACY (PHARM. D)
DURATION: 5 YEARS

1st Professional Pharm.D.

First Semester		
Course No.	Subject	Cr. Hr.
ENG 300	English-A (Functional English)	2
PHARM 310	Pharmaceutics-IA (Physical Pharmacy)	3+1
PHARM 311	Pharmaceutical Chemistry-IA (Organic)	3+1
PHARM 312	Pharmaceutical Chemistry-IIA (Biochemistry)	3+1
PHARM 313	Physiology-A	3+1
PHARM 314	Anatomy & Histology	3+1
	Total Cr. Hr.	22

Second Semester		
Course No.	Subject	Cr. Hr.
ENG 301	English-B (Communication & Writing skills)	4
PHARM 315	Pharmaceutics-IB(Physical Pharmacy)	3+1
PHARM 316	Pharmaceutical Chemistry-IB (Organic)	3+1
PHARM 317	Pharmaceutical Chemistry-IIB (Biochemistry)	3+1
PHARM 318	Physiology-B	3 + 1
FQ-323	Fehm-e-Quran - I	0+1
	Total Cr. Hr.	21

2nd Professional Pharm.D.

Third Semester		
Course No.	Subject	Cr. Hr.
IS 402	Islamic Studies	2
PHARM 410	Pharmaceutics-IIA (Dosage Forms Science)	3+1
PHARM 411	Pharmaceutics-IIIA (Pharmaceutical Microbiology & Immunology)	3+1
PHARM 412	Pharmacology and Therapeutics-IA	3+1
PHARM 413	Pharmacognosy-IA (Basic)	3+1
PHARM 414	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3+1
FQ - 423	Fehm-e-Quran - II	22
	Total Cr. Hr.	23

Fourth Semester		
Course No.	Subject	Cr. Hr.
PS 403	Pakistan Studies	2
PHARM 415	Pharmaceutics-IIB (Dosage Forms Science)	3+1
PHARM 416	Pharmaceutics-IIIB (Pharmaceutical Microbiology & Immunology)	3+1
PHARM 417	Pharmacology and Therapeutics-IB	3+1
PHARM 418	Pharmacognosy-IB (Basic)	3+1
PHARM 419	Pharmacy Practice-IB (Bio-statistics)	3
	Total Cr. Hr.	21

A STUDY PLAN
DOCTOR OF PHARMACY (PHARM – D)
DURATION: 5 YEARS

3rd Professional Pharm.D.

Fifth Semester		
Course No.	Subject	Cr. Hr.
PHARM 510	Pharmacy Practice-IIA (Dispensing Pharmacy)	3+1
PHARM 511	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis)	3+1
PHARM 512	Pharmacology and Therapeutics-IIA	3+1
PHARM 513	Pharmacognosy-IIA (Advanced)	3+1
PHARM 514	Pathology	3+1
	Total Cr. Hr.	20

Sixth Semester		
Course No.	Subject	Cr. Hr.
PHARM 515	Pharmacy Practice-IIB (Community, Social & Administrative Pharmacy)	3
PHARM 516	Pharmaceutical Chemistry-IIIB (Pharmaceutical Analysis)	3+1
PHARM 517	Pharmacology and Therapeutics-IIB	3+1
PHARM 518	Pharmacognosy-IIB (Advanced)	3+1
PHARM 519	Pharmacy Practice-III (Computer and its Applications in Pharmacy)	3+1
	Total Cr. Hr.	19

4th Professional Pharm.D.

Seventh Semester		
Course No.	Subject	Cr. Hr.
PHARM 610	Pharmacy Practice-IVA (Hospital Pharmacy)	3
PHARM 611	Pharmacy Practice-VA (Clinical Pharmacy-I)	3+1
PHARM 612	Pharmaceutics-IVA (Industrial Pharmacy)	3+1
PHARM 613	Pharmaceutics-VA (Biopharmaceutics & Pharmacokinetics)	3+1
PHARM 614	Pharmaceutics-VIA (Pharmaceutical Quality Management)	3+1
	Total Cr. Hr.	19

Eighth Semester		
Course No.	Subject	Cr. Hr.
PHARM 615	Pharmacy Practice-IVB (Hospital Pharmacy)	3
PHARM 616	Pharmacy Practice-VB (Clinical Pharmacy-I)	3+1
PHARM 617	Pharmaceutics-IVB (Industrial Pharmacy)	3+1
PHARM 618	Pharmaceutics-VB (Biopharmaceutics & Pharmacokinetics)	3+1
PHARM 619	Pharmaceutics-VIB (Pharmaceutical Quality Management)	3+1
	Total Cr. Hr.	19

A STUDY PLAN
DOCTOR OF PHARMACY (PHARM. D)
DURATION: 5 YEARS

5th (Final) Professional Pharm. D.

Ninth Semester		
Course No.	Subject	Cr. Hr.
PHARM-710	Pharmaceutics-VIIA (Pharmaceutical Technology)	3+1
PHARM-711	Pharmacy Practice-VIA (Advanced Clinical Pharmacy-II)	3+1
PHARM-712	Pharmacy Practice-VIIA (Forensic Pharmacy)	3
PHARM-713	Pharmacy Practice-VIIIA (Pharmaceutical Management & Marketing)	3
PHARM-714	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)	3+1
	Total Cr. Hr.	18

Tenth Semester		
Course No.	Subject	Cr. Hr.
PHARM 715	Pharmaceutics- VIIB (Pharmaceutical Technology)	3+1
PHARM 716	Pharmacy Practice-VIB (Advanced Clinical Pharmacy-II)	3+1
PHARM 717	Pharmacy Practice-VIIB (Forensic Pharmacy)	3
PHARM 718	Pharmacy Practice-VIIIB (Pharmaceutical Management & Marketing)	3
PHARM 719	Pharmaceutical Chemistry-IVB (Medicinal Chemistry)	3+1
	Total Cr. Hr.	18

Pharm.D. Five-Year Credit Hours Summary

Pharm.D.	1st Semester	2nd Semester	Total
Professional Year	Cr. Hr.	Cr. Hr.	Cr. Hr.
1st	22	21	43
2nd	23	21	44
3rd	20	19	39
4th	19	19	38
5th (Final)	18	18	36
Total Credit Hours	102	98	200

ACADEMIC PROGRAM Pharm.D

a) SEMESTER SYSTEM

Integrated teaching and semester system has been introduced at the University. The semester system is a unique system in which education is imparted through a process where student's performance and progress is assessed through different types of tests / assignments; they earn degree on their cumulative performance throughout the program of the study.

b) ATTENDANCE OF THE STUDENTS:

- a) The University is determined to improve its teaching standards.
- b) The record of attendance is essential to determine eligibility of students for her/ his appearing the examination,
- c) Seventy five percent (75%) attendance is required to be eligible in the semester examination. However, 10% waiver (5% Waiver by Vice-Chancellor and 5% waiver by waiver committee) can be given on medical grounds or any other valid reason acceptable to the Vice-Chancellor and waiver committee.
- d) The candidate having attendance less than 65% shall not be eligible to appear in the semester examination and will be considered as fail in that particular semester but he/she will be allowed to move in the next semester as mentioned in the "Organization of Semester System".
- e) However, the candidate having attendance less than 40% shall not be eligible to appear in the re-sits semester examination. He/ She shall appear with next junior batch after fulfilling the required attendance in that particular semester.

ORGANIZATION OF SEMESTER SYSTEM

- 1) For award of degree, students must pass all the courses taught during five years education Pharm-D with minimum CGPA 2.0.
- 2) Promotion from one academic year to next higher academic year.
- 3) Policy of conducting re-sit (repeat) examination.
- 4) (Re-sit Examination will be conducted in the end of academic year).

FIRST AND SECOND SEMESTER EXAMINATIONS (1ST PROFESSIONAL)

First semester students who after appearing in first semester (Regular) examination, either declared pass or fail will be allowed promotion to second semester.

Upon promotion to second semester, students who have either passed or fail in first semester examination both will be allowed to appear in second semester examination, if the cases for third semester are commenced. students of second semester (either passed or failed in first semester) will be allowed to attend the classes of third semester.

After announcement of second semester examination result, students of first and second semester will fall in the following groups.

- a) Passed first and second semester
- b) Passed second semester but failed in first semester
- c) Passed first semester but failed in second semester
- d) Failed in both semester
- e) Students under category b, c and d will be allowed re-sit examination of first and second semester simultaneously while they remain under study process of third semester.

After announcement of re-sit examination result of both first and second semester, the students will

- 1) Students who passed first and second semester examinations completely. they will continue in third semester.
- 2) Students who failed in first or second semester or both examinations shall be reverted i. e termed back to first semester or in second or both junior batch.

Above group of students of Pharm.D after term back will repeat the failed subject(s) of semester I or II or both with junior batch.

Important Note:

Any students, who fail of or pass the First Professional Exam in five chances availed or un-availed, shall cease to pursue further Pharmacy Education.

THIRD AND FOURTH SEMESTER EXAMINATIONS (2ND PROFESSIONAL)

Third semester students who after appearing in third semester (Regular) examination, either declared pass or fail will be allowed promotion to Fourth semester.

Upon promotion to fourth semester, students who have either passed or failed in third semester examination both will be allowed to appear in fourth semester examination, pending result of fourth semester examination, if the cases for fifth Semester are commenced, students of fourth semester (either passed or failed in third semester) will be allowed to attend the classes of Fifth semester,

After announcement of Fourth semester examination result, students of Third and Fourth semester will fall in the following groups.

- a) Passed Third and Fourth semester
- b) Passed Fourth semester but failed in Third semester
- c) Passed Third semester but failed in Fourth semester
- d) Failed in both semester

Students under category b, c, and d will be allowed re-sit examination of Third and Fourth semester simultaneously while they remain under study process of fifth semester.

After announcement of re-sit examination result of both Third and Fourth semester, the students will be bifurcated into the following

- 1) Students who passed Third and Fourth semester examinations completely, they will continue in Fifth semester.
- 2) Students who failed in Third or in Fourth semester or both examinations shall be reverted i.e. termed back to Third semester or in Fourth or both with junior batch,

Above group of students of Pharm-D after termed back will repeat the failure subjects of Third and Fourth or both with junior batch.

FIFTH AND SIXTH SEMESTER EXAMINATIONS (3RD PROFESSIONAL)

Fifth semester students who after appearing in Fifth semester (Regular) examination, either declared pass or fail will be allowed promotion to Sixth semester.

Upon promotion to Sixth semester, students who have either passed or failed in Fifth semester examination both will be allowed to appear in Sixth semester examination, pending result of Sixth semester examination, if the classes for Seven semester are commenced, students of Sixth semester (either passed or failed in Fifth semester) will be allowed to attend the classes of Seventh semester.

After announcement of Sixth semester examination result, students of Fifth and Sixth semester will fall in the following groups.

- a) Passed Fifth and Sixth semester
- b) Passed Sixth semester but failed in Fifth semester
- c) Passed Fifth semester but failed in Sixth semester
- d) Failed in both semester

Students under category b, c, and d will be allowed re-sit examination of Fifth and Sixth semester simultaneously while they remain under study process of Seventh semester.

After announcement of re-sit examination result of both Fifth and Sixth semester, the students will be bifurcated into the following groups.

- 1) Students who passed Fifth and Sixth semester examinations completely, they will continue in Seventh semester.
- 2) Students who failed in Fifth or in Sixth semester or both examinations shall be reverted i-e termed back to Fifth Semester or in Sixth or both with junior batch.

Above group of students of Pharm-D after termed back will repeat the failure subjects of fifth and sixth or both with junior batch.

SEVENTH AND EIGHTH SEMESTER EXAMINATIONS (4TH PROFESSIONAL)

Seventh semester students who after appearing in Seventh semester (Regular) examination, either declared pass or fail will be allowed promotion to Eighth semester.

Upon promotion to Eighth semester, students who have either passed or failed in Seventh semester examination both will be allowed to appear in Eighth Semester examination, pending result of Eighth semester examination, if the classes for Ninth semester are commenced, students of Eighth semester.

After announcement of Eighth semester examination result, students of Seventh and Eighth semester will fall in the following groups.

- a) Passed Seven and Eighth semester
- b) Passed Eighth semester but failed in Seventh semester
- c) Passed Seventh semester but failed in Eighth semester
- d) Failed in both semester

Students under category b, c, and d will be allowed re-sit examination of Seventh and Eighth semester simultaneously while they remain under Study process of Ninth semester.

After announcement of re-sit examination result of both Seventh and Eighth semester, the students will be bifurcated into the following groups.

- 1) Students who passed Seventh and Eighth semester examinations completely, they will continue in Ninth semester.
- 2) Students who failed in Seventh or in Eighth semester or both examinations shall be reverted i.e. termed back to seventh semester or in Eighth of both with junior batch.

Above group of students of Pharm -D after termed back will repeat the failure subjects of Seventh and Eighth or both with junior batch.

NINTH AND TENTH (FINAL) SEMESTER EXAMINATIONS (5TH PROFESSIONAL)

Ninth semester students who after appearing in Ninth semester (Regular) examination, either declared pass or fail will be allowed promotion to Tenth semester.

Upon promotion to Tenth (Final) semester, students who have either passed or failed in Ninth semester examination both will be allowed to appear in Tenth semester examination.

After announcement of Tenth semester examination result, students of Ninth and Tenth semester will fall in the following groups.

- a) Passed Ninth and Tenth semester
- b) Passed Tenth semester but failed in Ninth semester
- c) Passed Ninth semester but failed in Tenth semester
- d) Failed in both semester

Students under category a will be declared to have passed Pharm D examination completely and shall be awarded degree.

Students under category b, c, and d will be allowed re-sit examination of Ninth and Tenth semester simultaneously while they remain under study process of Ninth semester.

After announcement of re-sit examination result of both Ninth and Tenth semester, the students will be bifurcated into the following groups.

- 1) Students who passed Ninth and Tenth semester examinations completely. they will be Declared to have passed Pharm D examination and shall be awarded degree.
- 2) However in case of failures in either Ninth or tenth semester they will be allowed to appear in re-sit examination will continue to repeat failure subjects with junior batch till they completely pass Pharm.D examination.

FACILITIES OF DEPARTMENT OF PHARMACY

Facilities available:

- Indus college of Pharmacy has a well-structured building that has six lecture halls, Auditorium, 1 Board Room and 4 seminar rooms that are fully air conditioned and equipped with audio visual facilities.
- 1) Departmental Libraries
 - 2) There are different labs in departments including Pharmaceutics Lab, Microbiology Lab, Pharmaceutical Chemistry lab, Pharmacology lab, Physiology and Pathology, Biochemistry lab, Industrial Pharmacy lab and Pharmaceutical quality management lab.
- Regular seminars workshops and conferences are organized for the dissemination of updated knowledge. Frequent career counseling sessions are also conducted.
 - Students are with facility of mentorship in academic and Administrative affairs.



FACULTY

PROF. DR. ABDUALLAH DAYO
PRINCIPAL

DR. MUHAMMAD MURTAZA QURESHI
ASSISTANT PROFESSOR

DR. KHALID HUSSAIN MUGHERI
LECTURER

DR. NABEELA
LECTURER

DR. QURAT-UL-AIN
LECTURER

DR. NAYAB MEHBOOB
LECTURER

DR. WALI MUHAMMAD
LECTURER

DR. KANWAL ZAMAN
LECTURER

DR. FEROZA WASTI
LECTURER

DR. SIDRA RAFIQUE
LECTURER

DR. JANNAT
LECTURER

VISIT BY THE PHARMACY COUNCIL OF PAKISTAN



INSPECTION BY THE PHARMACY COUNCIL OF PAKISTAN



ORIENTATION DAY



ORIENTATION
DAY



THE INDUS COLLEGE OF ALLIED HEALTH SCIENCES

PROGRAMS

1. BS Medical Laboratory Technology (MLT)
2. BS Radiography and Imaging Technology (RIT)

Vision:

To shape the future of global healthcare by graduating a new generation of allied health professionals—leaders who are not only technically masterful but also deeply compassionate, innovative, and driven by integrity.

Mission:

Our mission is to empower students to excel in Medical Laboratory Technology and Radiography & Imaging Technology through:

- A rigorous, hands-on curriculum that seamlessly integrates advanced theory with extensive clinical practice.
- Cultivating a culture of innovation and inquiry, where students and faculty collaborate on research that advances diagnostic and imaging sciences.
- Fostering unwavering ethical principles and a compassionate approach to patient-centered care.
- Forging strong alliances with leading healthcare institutions to ensure a direct pathway from education to impactful career.

Objectives:

Our strategic objectives are to:

1. Deliver Academic Distinction: Continuously evolve our BS MLT and Radiography curricula to align with international standards and emerging healthcare challenges.
2. Ensure Clinical Competence: Secure and maintain partnerships with top-tier hospitals and diagnostic centers to provide 1,000+ hours of supervised clinical immersion for every student.
3. Advance the Field: Establish a dedicated research cell to support student and faculty projects in medical technology, with a goal of contributing to published work and industry innovations annually.

4. Develop Professional Leaders: Integrate leadership, communication, and management training into the core program, preparing graduates for supervisory and specialized roles.
5. Engage and Serve: Mobilize our college community to deliver at least four major health awareness and screening initiatives in the local community each year.

Values:

Our community is defined by our commitment to:

- Excellence: We relentlessly pursue the highest standards in education, practice, and research.
- Compassion: We treat every individual with empathy, respect, and dignity.
- Integrity: We are honest, ethical, and accountable in all our actions and decisions.
- Innovation: We embrace curiosity and creativity to solve tomorrow's healthcare challenges.
- Collaboration: We achieve more by working together—across disciplines, with partners, and as a community.

BACHELOR OF SCIENCE IN MEDICAL LABORATORY TECHNOLOGY (BSMLT)

Bachelor of Science in Medical Laboratory Technology (BSMLT) is a (four year degree program is directed towards medical Technologists who would like to improve their qualifications. The integration of these courses will provide the students with comprehensive knowledge to meet the educational needs of students who can be employed as medical technologists in medical laboratories, biotechnology and medical research as well as In tertiary care hospitals. The aim of this program is to equip the students with relevant professional knowledge, skills, techniques and ethical values to enable them to apply their acquired expertise at level between the clinicians and the patient for efficient health service delivery, to develop research skills and further to produce high quality professionals for organizations in various specialized and emerging area.



VISION

“To stand at the forefront of global medical laboratory science-illuminating the path to better health through compassionate innovation, transformative education, and ground-breaking research.”

MISSION

“To nurture principled, highly skilled medical laboratory professionals who blend advanced scientific expertise with a heartfelt commitment to patient-centred care delivering precise, reliable diagnostics that uplift lives and strengthen communities.”

AIM

“To provide world-class training in medical laboratory sciences, empowering graduates to excel in clinical diagnostics, research, and public-health leadership, while inspiring a lifelong dedication to service and discovery.”

Core Objectives

1. Academic & Professional Excellence

- Offer a rigorous, internationally benchmarked curriculum—encompassing hematology, clinical biochemistry, microbiology, immunology, and molecular diagnostics.
- Enrich learning with cutting-edge laboratory equipment, simulation-based practice, and mentoring that sparks curiosity and confidence.

2. Research, Innovation & Discovery

- Cultivate a vibrant research culture focused on disease diagnostics, biomarker discovery, and next-generation laboratory automation.
- Forge collaborative partnerships with hospitals, industry, and research centres to translate new knowledge into meaningful health solutions.

3. Quality, Precision & Safety

- Train students to uphold ISO 15189, CLIA, and NABL standards, embedding meticulous quality control, data integrity, and laboratory safety in every procedure.
- Foster a mindset where accuracy is more than a metric—it is a promise to every patient we serve.

4. Leadership & Collaborative Competence

- Develop critical-thinking, communication, and leadership skills that inspire effective teamwork across the healthcare continuum.
- Embed extensive clinical rotations and industry placements to ensure graduates step into the field ready to contribute from day one.

5. Ethical & Regulatory Stewardship

- Instil unwavering respect for professional ethics, patient confidentiality, and regulatory frameworks such as HIPAA, OSHA, and WHO guidelines.
- Encourage moral courage and integrity, reminding students that every test result carries a human story.

6. Community Engagement & Global Health Impact

- Champion public-health initiatives, disease surveillance, and outreach programs that extend vital diagnostic services to underserved populations.
- Prepare professionals to confront emerging infectious diseases and strengthen global health security with empathy, expertise, and resolve.

Scheme of Study of BS MEDICAL LABORATORY TECHNOLOGY (BS MLT)

This program comprises of 134 Credit Hours.

A STUDY PLAN
BS MEDICAL LABORATORY
TECHNOLOGY (BS MLT)
DURATION: 4 YEARS

1st Professional BS.MLT

First Semester		
Course No.	Subject	Cr. Hr.
-	Functional English **	3+0
-	Introduction to Information Technology **	2+1
MLT – 311	Anatomy and Physiology I *	2+1
MLT – 313	Biochemistry I (Basics) *	2+1
-	Islamic Studies / Ethics **	3+0
MLT – 315	Cell Biology *	2+1
	Total Cr. Hr.	18

Second Semester		
Course No.	Subject	Cr. Hr.
-	English Composition and Technical Writing **	3+0
-	General Psychology for Healthcare Professionals **	3+0
-	Pakistan Studies / World History **	3+0
MLT - 312	Anatomy and Physiology II *	2+1
MLT – 316	Molecular Biology *	2+1
MLT – 314	Biochemistry II (Advance) *	2+1
FQ - 323	Fehm-e-Quran – I	0+1
	Total Cr. Hr.	19

2nd Professional BS.MLT.

Third Semester		
Course No.	Subject	Cr. Hr.
MLT – 411	Introduction to Philosophy and Ethics in Medicine **	3+0
MLT – 412	Environmental Sciences and Sustainable Health Care **	3+0
MLT – 413	Fundamental of Genetics *	2+1
MLT – 414	Hematology C	2+1
MLT – 415	Biostatistics and Probability aC	3+0
-	Nutrition and Dietary Medicine **	2+1
FQ – 423	Fehm-e-Quran – II	0+1
	Total Cr. Hr.	19

Fourth Semester		
Course No.	Subject	Cr. Hr.
MLT – 416	Introduction to Omics *	3+0
MLT – 417	Pharmacology for Laboratory Technology *	2+1
MLT – 418	Principles of Medical Laboratory Technology C	2+1
MLT – 419	Clinical Microbiology I (Basics) C	2+1
MLT – 420	Histopathology I (Basics) C	2+1
MLT – 421	Bioinformatics and Computational Biology pD	2+1
	Total Cr. Hr.	18

A STUDY PLAN
BS MEDICAL LABORATORY TECHNOLOGY (BS MLT)
DURATION: 4 YEARS

3rd Professional BS.MLT.

Fifth Semester		
Course No.	Subject	Cr. Hr.
MLT – 511	Immunology and Serology C	2+1
MLT – 512	Foundational Genomics and Proteomics aC	2+1
MLT – 520	Clinical Microbiology II (Advance) aC	2+1
MLT – 521	Histopathology II (Advance) aC	2+1
MLT – SC1	Specialization I	2+1 / 3+0
MLT – SC2	Specialization II	2+1 / 3+0
	Total Cr. Hr.	18

Sixth Semester		
Course No.	Subject	Cr. Hr.
MLT – 513	Research Methods in Medical Laboratory Science pD	3+0
MLT – 514	Laboratory Safety and Infection Control C	2+1
MLT – 515	Transfusion Medicine / Blood Banking C	2+1
MLT – 516	Molecular Diagnostics in Laboratory Medicine aC	2+1
MLT – 517	Health Informatics and Data Management pD	2+1
MLT – SC3	Specialization III	2+1 / 3+0
	Total Cr. Hr.	18

4th Professional BS.MLT.

Seventh Semester		
Course No.	Subject	Cr. Hr.
MLT – 611	Laboratory Management and Leadership pD	2+1
MLT – 612	Critical Thinking and Problem Solving in Healthcare Professionals **	3+0
MLT – 613	Research Project I P&R	3+0
MLT – SC4	Specialization IV	2+1 / 3+0
	Total Cr. Hr.	12

Eighth Semester		
Course No.	Subject	Cr. Hr.
MLT – 614	Programming for Medical Technologist pD	2+1
MLT – 615	Clinical Practicum P&R	3+0
MLT – 616	Research Project II P&R	3+0
MLT - SC5	Specialization V	2+1 / 3+0
	Total Cr. Hr.	12

SPECIALIZATION

	Hematology	Cr Hr	Molecular Biology	Cr Hr	Microbiology	Cr Hr	Clinical Chemistry	Cr Hr
Specialization I	Advanced Hematology Techniques	2+1	Molecular Diagnostics in Clinical Practice	2+1	Advanced Clinical Microbiology	2+1	Advanced Clinical Chemistry Techniques	2+1
Specialization II	Coagulation Studies and Disorder	2+1	Genomics and Transcriptomics	2+1	Mycology and Virology	2+1	Endocrinology and Metabolism Testing	2+1
Specialization III	Hematopathology	2+1	Proteomics and Metabolomics	2+1	Antimicrobial Resistance Mechanisms	3+0	Toxicology and Drug Monitoring	2+1
Specialization IV	Research In Hematology	3+0	Research In Molecular Biology	3+0	Research in Microbiology	3+0	Research in Clinical Chemistry	3+0
Specialization V	Diagnostic Hematology	2+1	Advanced Techniques in Molecular Diagnostics	2+1	Food and Environmental Microbiology	2+1	Biomarkers and Translational Medicine	2+1

*Note: All of these courses and distribution are based on HEC's UGE Policy (2023). All of the faculty agreed upon these course titles, all of the CLOs and PLOs are considered for the outlines / guidelines of each course title.

Following HEC's UGE Policy (2023) the Curriculum of BS MLT was formulated by the Faculty of Department of Medical Laboratory Technology, key points that are focused are as follows,

- **Gen. Ed.** – A total of 10 courses (comprising of 30 Cr. Hrs.) have been added and are represented by “**” (double asterisks).
- **Disciplinary / Major** – A total of 24 courses (comprising of 72 Cr. Hrs.) have been added and are represented by “*”, “C” and “aC” (asterisk and letter representation respectively).
- **Interdisciplinary** – A total of 7 courses (comprising of 21 Cr. Hrs.) have been added and are represented by “pD”.
- ◆● **Capstone Project** – According to HEC's UGE Policy 2023, fields based on clinical or practical expertise are required to follow a thorough research process to provide the foundational knowledge regarding Research and its parameters, keeping that in mind a total of 2 titles (“Research Project I & II”) have been added comprising of 6 Cr. Hrs. in total.



Figure 1: Graphical Representation of Undergraduate Degree Programs (except for Associate Degrees)

FACULTY

PROF. DR. INAYATULLAH MEMON
PROFESSOR

PROF. DR. GHULAM MUJADID QURESHI
HOD & PROFESSOR

PROF. DR. MUMTAZ ALI MEMON
PROFESSOR

MR. MAAZ IRSHAD
LECTURER

MS. SOHNI ARBAB
LECTURER

MR. MUHAMMAD AZAM JAMALI
RESEARCH ASSOCIATE

MS. MARVI LATIF
RESEARCH ASSOCIATE

INTRODUCTION OF BS RADIOGRAPHY AND IMAGING TECHNOLOGY

Radiography and Imaging Technology is a medical professional course that uses medical imaging tests to diagnose and treat the diseases within the bodies of human. Radiology introduces a basic bifurcation of the science such as Diagnostic Radiology and Interventional Radiology. Diagnostic Radiology concern itself with use of imaging techniques such as X-Ray radiography, Ultrasound, Computed Tomography (CT), Nuclear Medicine including Position Emission Tomography (PET), Fluoroscopy and Magnetic Resonance imaging (MRI) are used to diagnose or treat diseases. Interventional Radiology is the performance of usually Minimally invasive medical procedures with guidance of medical technologies.



The Profession calls for considerable technological expertise. Radiology Technologist work as a part of healthcare teams in Diagnostic Imaging departments Accidents and Emergency, Intensive Care Units and Operation Theatres Sometimes Radiology Technologists are also involved in giving treatment to cancer patients.

Mission

To educate and develop highly competent, ethical, and innovative radiology technologists through a rigorous, research-informed curriculum. We are committed to advancing the diagnostic and imaging profession by providing exemplary patient-centered care, fostering leadership in clinical practice and administration, and meeting the evolving healthcare needs of Pakistan and beyond.

Vision

To be a premier program recognized for producing world-class radiology professionals who are leaders in diagnostic imaging, technological innovation, and healthcare improvement, setting the standard for excellence in clinical practice and research.

Aim of the Program

The aim of the Bachelor of Science in Radiology program is to produce clinically competent and critically thinking radiology technologists equipped with the in-depth knowledge and advanced technical skills necessary to operate modern diagnostic imaging technology effectively. The program is designed to cultivate future leaders who will improve diagnostic care standards, engage in research, and pursue lifelong learning to advance the profession.

Program Learning Outcomes (PLOs)

Upon successful completion of the program, graduates will be able to:

1. **Technical Proficiency:** Operate sophisticated radiological equipment (such as MRI, CT, Ultrasound, and Mammography) safely and effectively to produce high-quality diagnostic images.
2. **Critical Thinking & Problem Solving:** Identify, analyze, and solve complex problems in diagnostic imaging practice, management, and education through the application of advanced knowledge and evidence-based reasoning.

3. **Resource Management:** Demonstrate a high degree of competence in meeting patient and departmental needs through the optimal utilization of available resources.
4. **Research & Evaluation:** Apply scientific methods to critically evaluate research literature and integrate relevant findings into clinical practice to improve patient outcomes.
5. **Leadership & Advocacy:** Exhibit leadership, effective communication, and socio-political skills to influence policy, mobilize resources, and advocate for the advancement of the radiology profession and patient-centered care.
6. **Professionalism & Accountability:** Uphold the highest standards of professional ethics, accept accountability for all actions, and demonstrate a commitment to lifelong learning and continuous professional development.

Scheme of Study of BS - RADIOGRAPHY AND IMAGING TECHNOLOGY

This program comprises of 133 Credit Hours.

A STUDY PLAN
BS - RADIOGRAPHY AND IMAGING TECHNOLOGY
DURATION: 4 YEARS

Curriculum Breakdown by HEC Categories

Sr. No.	Categories	Minimum Cr. Hr.	Revised Cr. Hr.
1.	Major/Disciplinary	72	78
2.	General Education	30	31
3.	Interdisciplinary	12	15
4.	Capstone Project	3	3
5.	Clinical Practicum	3	6
Total Credit Hours Offered in Program			133

Semester 2 – 16 Cr.

Sr. No.	Subject	Cr. Hr.	Category
01	English II	3+0	(General)
02	Radiation Physics & Hazards	2+0	(Major)
03	Physiology II	2+1	(Major)
04	Basic Radiographic Anatomy	3+0	(Major)
05	Introduction to Radiographic Technology & Equipment	2+0	(General))
06	Islamic Studies	2+0	(General)
07	Fehm-e-Quran	0+1	(General)
Total Credit Hours			16

Semester 1 – 18 Cr.

Sr. No.	Subject	Cr. Hr.	Category
01	English I	3+0	(General)
02	Basic Physics for Radiology	2+0	(General)
03	Human Anatomy	3+0	(Major)
04	Physiology I	3+0	(Major)
05	Pakistan Studies	2+0	(General)
06	Computer Skills	1+2	(General)
07	Biostatistics	2+0	(General)
Total Credit Hours			18

Semester 3 – 16 Cr.

Sr. No.	Subject	Cr. Hr.	Category
01	Radiographic Procedures & Positioning I	1+2	(Major)
02	Radiation & Protection	2+0	(Major)
03	CT & MRI Basics	2+1	(Major)
04	Fehm-e-Quran	0+1	(General)
05	Communication Skills	1+1	(General)
06	Radiographic Techniques	2+1	(General)
07	Basic Pathology (Inflammation Infection Tumor)	2+0	(Interdisciplinary)
Total Credit Hours			16

A STUDY PLAN
BS - RADIOGRAPHY AND IMAGING TECHNOLOGY
DURATION: 4 YEARS

Semester 4 – 17 Cr.			
Sr. No.	Subject	Cr. Hr.	Category
01	Clinical Medicine	1+0	(Interdisciplinary)
02	Radiographic Procedures & Positioning II	1+2	(Major)
03	Regional & Radiographic Anatomy	2+1	(Major)
04	Digital Imaging	2+0	(Major)
05	Advance & Systemic Pathology	3+0	(Interdisciplinary)
06	Ultrasound & X-ray (T&P)	2+1	(Major)
07	Automatic Processing & Record Keeping	1+1	(Major)
Total Credit Hours		17	

Semester 5 – 16 Cr.			
Sr. No.	Subject	Cr. Hr.	Category
01	Mammography and MRI Physics	2+1	(Major)
02	Imaging CT scan & Practice	2+1	(Major)
03	Radiation Hazards & Monitoring	2+1	(Major)
04	Interventional Radiology	2+0	(Major)
05	MRI Sequence	1+1	(Major)
06	Practice on Patient	0+2	(Field Exp.)
07	Introduction to Nuclear Medicine	1+0	(Major)
Total Credit Hours		16	

Semester 6 – 16 Cr.			
Sr. No.	Subject	Cr. Hr.	Category
01	Regional & Cross-sectional Anatomy	2+0	(Major)
02	Paediatric Imaging	0+2	(Major)
03	Mammography Techniques (T&P)	2+1	(Major)
04	Focus / Fast Ultrasonography	1+2	(Major)
05	Radiation Protection & Monitoring	1+1	(Major)
06	Medical Sociology	1+0	(Interdisciplinary)
07	Nuclear Medicine	0+1	(Field Exp.)
08	Research Methodology	2+0	(Interdisciplinary)
Total Credit Hours		16	

A STUDY PLAN
BS - RADIOGRAPHY AND IMAGING
TECHNOLOGY
DURATION: 4 YEARS

Semester 7 – 17 Cr.			
Sr. No.	Subject	Cr. Hr.	Category
01	Advanced MRI Technique	2+1	(Major)
02	Advanced Fluoroscopy	2+1	(Major)
03	Advance Radiographic Scanning Techniques	1+1	(Major)
04	Clinical Pathology & Radiological Presentation	2+0	(Interdisciplinary)
05	Cardiac Radiography	2+1	(Major)
06	Capstone Project	0+2	(Capstone)
07	Bio-entrepreneurship	2+0	(General)
Total Credit Hours		17	

Semester 8 – 17 Cr.			
Sr. No.	Subject	Cr. Hr.	Category
01	Practice on Patient	0+3	(Field Exp.)
02	AI in Radiologic Imaging	1+2	(Interdisciplinary)
03	Capstone Project (Presentation & Seminar)	0+1	(Capstone)
04	Troubleshooting of Radiographic Equipment	0+1	(Interdisciplinary)
05	Patient Care & Radiology Department Management	3+0	(Major)
06	Clinical Pharmacology	2+1	(General)
07	Emergency Reaction Measures & Contrast Administration	2+1	(Major)
Total Credit Hours		17	

Key Adjustments:

1. Clinical Practicum (6 Cr. total) concentrated in Semesters 6–8 (3+3 Cr.).
2. Capstone Project (3 Cr. total) split across Semesters 7–8 (2+1 Cr.).

FACULTY

PROF. DR. NIZAMUDDIN MEMON
PROFESSOR

PROF. DR. ANEELA SHEEBA
PROFESSOR

DR. ADEEBA IQBAL MEMON
ASSOCIATE PROFESSOR

DR. GHAZALA SHAHEEN
ASSISTANT PROFESSOR

LT COL (R) DR SAJAD AHMED
ASSISTANT PROFESSOR

DR. EKTA RAJ
ASSISTANT PROFESSOR

DR. SHAHNILA KHALID
SENIOR REGISTRAR

MS. UZMA
RESEARCH ASSOCIATE

DR. LAEK-UL-ZAMAN
REGISTRAR

MS. ADINA SOOMRO
RESEARCH ASSOCIATE

DR. BAKHTAWAR
REGISTRAR

DR. SANUM NAZ
REGISTRAR

MS. AREEJ
INSTRUCTOR & ASSISTANT

DR FARHA YASMEEN
REGISTRAR

INTRODUCTION OF BS BIO-CHEMISTRY

Biochemistry can be simply defined as the study of life at the molecular level. Every process occurring within the living organism, from metabolism to muscle, contraction to vision and even including the thought processes, happens as a result of a series of chemical reactions. The field of biochemistry accommodates people with a wide spectrum of interests, from those with a strong biological orientation to those who view themselves more as chemists. Biochemistry is a rapidly growing, and exciting field of study. Genetic engineering, biotechnology, and immunology are the prominent areas in which biochemists are playing a major role.

The Department of Bio-Chemistry at TUMS offers a four-year BS Biochemistry Degree program, which consists of a combination of requirements and electives that ensure a strong foundation in the chemical and biological sciences while providing the flexibility to tailor the curriculum to satisfy specific interests or career goals. The offered courses provide students with extensive exposure to basic Biochemistry, as well as Cell Biology and Molecular Biology.

The BS Biochemistry program is interesting to the students who plan careers in research, teaching, or in health sciences professions that are medicine, pharmacy, and dentistry. Developments and discoveries in the field of biochemistry have an enormous impact on the society. The course of study in biochemistry reflects the fact that the field lies at the interface of biology and chemistry. Extensive background in the basic sciences and biology is the foundation for the program.

Majorly biochemistry prepares graduates for challenging and rewarding career opportunities. The biochemistry industry offers excellent job prospects for graduate trained in the molecular life sciences, with opportunities across the spectrum of all company activities.

Scheme of Study of BS BIOCHEMISTRY

This program comprises of 138 Credit Hours.

A STUDY PLAN
BS BIOCHEMISTRY
DURATION: 4 YEARS

1st Professional BS. Biochemistry

First Semester		
Course No.	Subject	Cr. Hr.
	English-I	3+0
	Pakistan Studies	2+0
	Mathematics I	3+0
	Social Science	3+0
	Organic Chemistry	2+1
	Introductory Biochemistry	2+1
	Total Cr. Hr.	17

2nd Professional BS. Biochemistry.

Third Semester		
Course No.	Subject	Cr. Hr.
	English-III	3+0
	Introduction to Computers	2+1
	Physical Chemistry	2+0
	Genetics	3+1
	Proteins & Nucleic Acids	2+1
	Cell Biology	2+1
FQ – 423	Fehm-e-Quran – II	0+1
	Total Cr. Hr.	19

Second Semester		
Course No.	Subject	Cr. Hr.
	English-II	3+0
	Islamic studies/Ethics	2+0
	Inorganic Chemistry	2+1
	Mathematics-II/Biostatistics	3+0
	Microbiology	2+1
	Carbohydrates & Lipids	2+1
FQ - 323	Fehm-e-Quran – I	0+1
	Total Cr. Hr.	19

Fourth Semester		
Course No.	Subject	Cr. Hr.
	English IV/University optional	3+0
	Marketing & Management	3+0
	Analytical chemistry	2+1
	Human Physiology	2+1
	Enzymology	2+1
	Biosafety & Bioethics	2+1
	Total Cr. Hr.	18

**A STUDY PLAN
BS BIOCHEMISTRY
DURATION: 4 YEARS**

3rd Professional BS. Biochemistry.

Fifth Semester		
Course No.	Subject	Cr. Hr.
	Metabolism I	3+0
	Molecular Biology	3+0
	Nutritional Biochemistry	2+1
	Immunology	3+0
	Plant Biochemistry	2+1
	Environmental Biochemistry	2+1
	Total Cr. Hr.	18

Sixth Semester		
Course No.	Subject	Cr. Hr.
	Metabolism II	3+0
	Biochemical Techniques	1+2
	Biotechnology	3+0
	Bioinformatics	2+1
	Bioenergetics	3+0
	Industrial Biochemistry	2+1
	Total Cr. Hr.	18

4th Professional BS. Biochemistry.

Seventh Semester		
Course No.	Subject	Cr. Hr.
	Research Planning & Scientific Writing	3+0
	Biomembranes & Cell Signaling	3+0
	Clinical Biochemistry	2+1
	Elective-I	3+0
	Elective-II	3+0
	Total Cr. Hr.	15

Eighth Semester		
Course No.	Subject	Cr. Hr.
	Current in Trends Biochemistry	3+0
	Research Project/Internship	0+3
	Methods in Molecular Biology	1+2
	Elective-III	3+0
	Elective-IV	3+0
	Total Cr. Hr.	15

LIST OF ELECTIVE COURSES:

- Cancer Biology
- Genomics
- Proteomics
- General Virology
- Cell and tissue culture
- Pharmacology
- Antimicrobials and Chemotherapeutics
- Functional Genomics
- Structural Biology
- Drug Development
- Fermentation Biotechnology
- Neurochemistry
- Toxicology
- Biodiversity
- Water and Mineral Metabolism
- Research Projects
- Any other course(s) recommended by Board of Studies

STANDARDIZED FORMAT FOR BS (4-YEAR) IN BIOCHEMISTRY

STRUCTURE			
Sr. No.	Categories	No. of courses	Credit Hours
1.	Compulsory courses	9	25
2.	General courses (to be chosen from other Departments)	9	26
3.	Discipline specific foundation courses	10	30
4.	Major courses (including Research Project/ Internship)	15	45
5.	Electives within the major	4	12
	Total	47	138

- Total numbers of credit hours 138
- Duration 4 years
- Semester duration 16-18 weeks
- Semesters 8
- Course load per semester 15-18 Credit hours
- Number of courses per semester 5-6

MS/MPHIL IN BIO-CHEMISTRY

Eligibility Criteria:

- BS/MS.C (16 Years of education in Biochemistry, Nutrition & food technology and Medical Laboratory Technology)

DURATION

- 2 years
- 4 semesters : 30 Cr Hours

Scheme of Study of MS/MPHIL-BIOCHEMISTRY

This program comprises of 30 Credit Hours.

A STUDY PLAN
MS/MPHIL-BIOCHEMISTRY
DURATION: 2 YEARS

Semester	Course Code	Subjects	Credits
First		Advances in Clinical Biochemistry (Compulsory)	3
		Advances in Molecular Biology (Compulsory)	3
		DNA Techniques and Clinical Applications (Compulsory)	3
		Community Nutrition (Optional)	3
		Total	12
Second		Research Methodology (Compulsory)	3
		Advanced Biostatistics (Compulsory)	3
		Structural Bioinformatics (Optional – II)	3
		Molecular Mechanism of Diseases (Optional – III)	3
		Total	12
Third-Fourth		Master Thesis	6
		Total	30

LIST OF MS/MPHIL BIOCHEMISTRY COURSES

- | | |
|---|---|
| 1. Advances in Molecular Genetics | 25. Advanced Biochemical Techniques |
| 2. Advances in Biochemistry | 27. Genomics, Proteomics and Metabolomics |
| 3. Advances in Clinical Biochemistry | 29. Gene Expression and Regulation |
| 4. Advances in Molecular Biology | 30. Food Biochemistry |
| 5. Advances in Endocrinology | 31. Renewable bioenergy Resources |
| 6. Advances in Biotechnology | 32. Molecular Mechanism of Diseases |
| 7. Advanced Biostatistics | 33. Molecular Evolution |
| 8. Advanced Bioinformatics | 34. Seminar |
| 9. Recent Trends in Immunology | 36. Special Problem/ Specific assignment |
| 11. Advanced Fermentation Biotechnology | 37. Drug Designing and Metabolism |
| 12. Community Nutrition | 38. Forensic Serology and DNA Analysis |
| 13. Protein Structure, Function and Engineering | 40. Application of Nanomaterials in Biosciences |
| 14. Enzymes - Mechanism & Kinetics | 41. Stem Cell and Therapeutics |
| 15. Advances in Cell Biology | 42. Neuroscience |
| 16. DNA Techniques and Clinical Applications | 43. Structural Bioinformatics |
| 17. Good Laboratory Practices and Quality Control | 44. Plant Genomics |
| 18. Signal Transduction | 45. Biochemistry of Drugs and their Resistance |
| 19. Biochemistry of Metabolic Disorders | |
| 20. Biochemistry of Natural Products | |
| 21. Recombinant DNA Technology | |
| 23. Research Methodology | |

Note: University may opt any other course(s) depending upon the facilities and expertise of faculty available subjected to the approval of concerned academic forum.

FACULTY

DR. GHULAM MURTAZA RIND
ASSISTANT PROFESSOR

DR. MARVI SHAIKH
SENIOR LECTURER

MS. BISMA ISMAIL
RESEARCH ASSOCIATE

PROF. DR. SYED ALI AKBAR SHAH
HOD & PROFESSOR

DR. SHAHZAD RASHEED
ASSISTANT PROFESSOR

MR. GHAZALI QURESHI
RESEARCH ASSOCIATE

INTRODUCTION OF BACHELOR OF BUSINESS ADMINISTRATION (BBA)

The 4 years Bachelor of Business Administration (BBA) program serves the need of those who are looking for a career in management profession or towards higher education in business administration. Being a program with challenging curricula and contents, it is appropriate for those who have excellent academic record and high potential for success.

The BBA degree promises the graduates higher level employability at the entry level of management profession by helping them excel in professional and personal development. The program offers a rich blend of general education, general management skills like communication, decision making, leadership, teamwork and quantitative methods. It also aims to Sensitize the graduates about their social and environmental responsibility.

LEARNING OUTCOMES

BBA graduates are expected to communicate effectively and professionally and to demonstrate the ability to create written and oral statements for diverse audience across the world. Demonstrate the ability to identify and evaluate relevant information for decision making and make use of thinking skills to assess the information and solve problems in uncertain environments. Understand the importance of team work and group dynamics in achieving organizational goals and demonstrated ability to work effectively in teams. understand various leadership styles and demonstrated ability in exercising these styles according to the requirement of the situation. Demonstrate effectively practicing of overall functional business knowledge and ability to identify and interpret essential business concepts, principles and skills. identify core organizational values and understand the issues of ethical and social diversity and demonstrate the ability to propose feasible solutions to these issues.

Understand computer-based information systems and able to use computing tools and infrastructures to apply and interpret functional business knowledge,

Eligibility:

- At least 50% marks in HSSC or an equivalent qualification
- Should have studied for HSSC or an equivalent qualification, for at least two years and

Scheme of Study of BACHELOR OF BUSINESS ADMINISTRATION (BBA)

This program comprises of 135 Credit Hours.

A STUDY PLAN
BACHELOR OF BUSINESS
ADMINISTRATION (BBA)
DURATION: 4 YEARS

1st Professional BBA

First Semester		
Course No.	Subject	Cr. Hr.
BUS301	Functional English	03
BUS302	Introduction to Computer Application	03
BUS303	Introduction to Business	03
BUS304	Islamic Studies/Ethics	02
BUS305	Microeconomics	03
BUS306	Business Mathematics	03
	Total Cr. Hr.	17

Second Semester		
Course No.	Subject	Cr. Hr.
BUS307	Exploratory Writing	03
BUS308	Macro Economics	03
BUS309	Introduction to Management	03
BUS310	Principles of Accounting	03
BUS311	Ideology and Constitution of Pakistan	02
BUS312	Fehm-e-Quran – I	0+1
	Total Cr. Hr.	18

2nd Professional BBA.

Third Semester		
Course No.	Subject	Cr. Hr.
BUS401	Financial Accounting	03
BUS402	Laws of Business and Taxation	03
BUS403	Introduction to HRM	03
BUS404	Business Statistics	03
BUS405	Principles of Insurance	03
BUS406	Fehm-e-Quran – II	0+1
	Total Cr. Hr.	16

Fourth Semester		
Course No.	Subject	Cr. Hr.
BUS407	Principles of Marketing	03
BUS408	Statistical Inferences	03
BUS409	Money and Banking	03
BUS410	Principles of Business Finance	03
BUS411	Business Communication	03
BUS412	Business Internship (Evaluation and Viva Voce)-I	03
	Total Cr. Hr.	18

A STUDY PLAN
BACHELOR OF BUSINESS ADMINISTRATION (BBA)
DURATION: 4 YEARS

3rd Professional BBA.

Fifth Semester		
Course No.	Subject	Cr. Hr.
BUS501	Marketing Management	03
BUS502	Arts and Humanities	02
BUS503	Financial Management	03
BUS504	Decision Theory and Analysis	03
BUS505	Managerial Economics	03
BUS506	Elective-I	03
	Total Cr. Hr.	17

Sixth Semester		
Course No.	Subject	Cr. Hr.
BUS507	Financial Institutions and Markets	03
BUS508	Cost & Management Accounting	03
BUS509	Organizational Behavior	03
BUS510	Auditing	03
BUS511	Business Internship (Evaluation and Viva Voce)-II	03
BUS512	Elective-II	03
	Total Cr. Hr.	18

4th Professional BBA.

Seventh Semester		
Course No.	Subject	Cr. Hr.
BUS601	Operations Management	03
BUS602	Business Research Methods	03
BUS603	Business Policy	03
BUS604	Entrepreneurship	02
BUS605	Elective-III	03
BUS606	Introduction of Sociology	02
	Total Cr. Hr.	16

Eighth Semester		
Course No.	Subject	Cr. Hr.
BUS607	Management Information System	03
BUS608	Comprehensive Examination Viva Voce	03
BUS609	Elective-IV	03
BUS610	Thesis/OR Research Project	03
BUS 611	Qualitative and Quantitative Reasoning	3(2+1)
	Total Cr. Hr.	15

Elective Courses for BBA 4-Year s (Hons) Program (133 Credit Hours)

Finance Specialization

BBA (H) P-III		
Course No.	Title of Course	Cr. Hr.
BUS506	Investment & Portfolio Management	03
BUS506	Strategic Finance	03
BUS512	International Financial Management	03
BUS512	Strategic Finance	03
BUS512	Treasury & Funds Management	03

BBA (H) P-IV		
Course No.	Title of Course	Cr. Hr.
BUS605	Risk Management	03
BUS605	Financial Statement Analysis	03
BUS609	Corporate Finance	03
BUS609	Seminar in Finance	03
BUS609	Islamic Banking & Finance	03

HRM Specialization

BBA (H) P-III		
Course No.	Title of Course	Cr. Hr.
BUS506	Recruitment & Selection	03
BUS506	Personal Management	03
BUS512	Managerial Skills	03
BUS512	Labor Laws in Pakistan	03
BUS512	Training Intervention in Job Skills	03

BBA (H) P-IV		
Course No.	Title of Course	Cr. Hr.
BUS605	Training & Development	03
BUS605	Leadership & Team Management	03
BUS609	Compensation Management	03
BUS609	Micro Organizational Dynamics	03
BUS609	Human Resources Development	03

Marketing Specialization

BBA (H) P-III		
Course No.	Title of Course	Cr. Hr.
BUS506	Personal Selling	03
BUS506	Export Marketing	03
BUS506	Services Marketing	03
BUS506	Internet Marketing	03
BUS512	Seminar in Marketing	03
BUS512	Integrated Marketing Communication	03
BUS512	Retail Management	03
BUS512	Product Management	03

BBA (H) P-IV		
Course No.	Title of Course	Cr. Hr.
BUS605	Sales Management	03
BUS605	Marketing Research	03
BUS605	Consumer Behavior	03
BUS605	Inventory Management	03
BUS609	Industrial Marketing	03
BUS609	Marketing of IT Products	03
BUS609	International Marketing	03
BUS609	Brand Management	03

Management Specialization

BBA (H) P-III		
Course No.	Title of Course	Cr. Hr.
BUS506	Organizational Development	03
BUS506	Crises Management	03
BUS506	Comparative Management	03
BUS512	Education Management	03
BUS512	Environment Management	03
BUS512	Logistic Management	03

BBA (H) P-IV		
Course No.	Title of Course	Cr. Hr.
BUS605	Change Management	03
BUS605	Small & Medium Enterprises Management	03
BUS605	Knowledge Management	03
BUS609	Supply Chain Management	03
BUS609	NGOs Management	03
BUS609	Time Management	03

INTRODUCTION OF MS/M.PHIL IN BUSINESS ADMINISTRATION

Business Administration is also considered a branch management sciences. Business Administration refers to the study of business strategies to achieve organizational goals regarding business studies and socio-economic development. The Department of Business Administration has lots of scope and demand in Pakistan as well as abroad countries. The University of Modern Sciences is offering the Bachelor of Business Administration (BBA) at the Department Business Administration. But now, The University of Modern Sciences Tando-Muhammad Khan, Sindh, Pakistan is offering Master of Science (MS) / Master of Philosophy (M.Phil) Program at the Department of Business Administration

MS/MPHIL IN BUSINESS ADMINISTRATION

Degree Requirements

The admission in MS/MPhil Programs would be based on the following:

Sixteen years of education in relevant field with high second division or equivalent from HEC recognized Institutes/Universities in Pakistan or foreign Degree Holders.

OR

- Four years overseas Bachelor's degree or equivalent recognized by HEC

In addition:

- Minimum 50% marks in overall academic career in annual examination system
- Minimum CGPA 2.4 on a scale of 4 CGPA in semester system (CGPA will be considered, if both CGPA & Percentage are mentioned in the Transcript)
- Candidates must score minimum 50% marks in General GRE / university entry test
- Success in panel interview conducted at Department of Business Administration

Scheme of Study of MS/MPHIL IN BUSINESS ADMINISTRATION

This program comprises of 30 Credit Hours.

A STUDY PLAN
MS/MPHIL IN BUSINESS
ADMINISTRATION DURATION: 4 YEARS

First Semester for M.Phil		
Course Code	Course Title	Credit Hours
BA 701	Business Research Method	03
BA 702	Philosophy of Research	03
BA 703	BRM (Quantitative Techniques)	03
BA 704	Applied Econometrics	03
	Total Cr. Hr.	12

Second Semester for M.Phil		
Course Code	Course Title	Credit Hours
BA 705	BRM (Qualitative Techniques)	03
BA 706	Applied Strategic Management	03
BA 707	Elective (I)	03
BA 708	Elective (II)	03
	Total Cr. Hr.	12

Total Course Work Credit Hours = 24
After completion of course work comprehensive examination
3rd Semester to 4th Semester
Synopsis, Research Work, Thesis, Final Evaluations = 06
Total Credit Hours: 30

FACULTY

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HOD & PROFESSOR

PROF. DR. GHULAM ALI JARIKO
DEAN & PROFESSOR

DR. NADIR ALI LANJWANI
ASSISTANT PROFESSOR

MR. GHULAM UMAR
LECTURER

MR. MUHAMMAD WASEEM
LECTURER

MR. NOMAN AFZAL
RESEARCH ASSOCIATE

MS. JAVERIA IQBAL
LECTURER

BS. FORENSIC SCIENCES IN FORENSIC BIOLOGY - BS.FB

The University of Modern Sciences BS. FORENSIC SCIENCES IN FORENSIC BIOLOGY - BS.FB program focuses on the processing and analysis of physical evidence from crime scenes with a core emphasis on the application of analytical chemistry and other relevant fields while stressing the importance of quality assurance procedures in a professional meeting. The faculty combines practical skills and the theoretical framework to develop students into sound professionals, enabling them to work in areas such as crime scene investigation, forensic science, and related laboratory areas.

Forensic science in Pakistan

We live in the world of science and Technology. Pakistan is falling on the list of top countries with respect to the growth of science and technology. Forensic science is one of the fields of science in which scientific method and techniques are used to examine or investigate. The scope of forensic science in Pakistan is very high as we know Pakistan is badly victim of crime. It refers to the investigation and collects details and evidence of criminal activities. Our investigation department needs some professional type of forensic scientists to investigate truly and collect original evidence. There are few of universities in Pakistan which are offering Forensic science in Pakistan academic disciplines.

A forensic scientist can easily get job in any of the department listed below:

- NAB
- Intelligence Agencies
- Anti-Corruption Department
- Forensic Labs
- Police Training Colleges
- FIA
- Armed Forces
- Investigation Departments
- Military Police
- Courts
- Colleges/Universities

Scheme of Study of BS. FORENSIC SCIENCES IN FORENSIC BIOLOGY - BS.FB

This program comprises of 143 Credit Hours.

A STUDY PLAN
BS. FORENSIC SCIENCES /
FORENSIC BIOLOGY - BS.FB
DURATION: 4 YEARS

1st Professional BS. FORENSIC SCIENCES / FORENSIC BIOLOGY - BS.FB

First Semester		
Course No.	Subject	Cr. Hr.
ENG-300	English A (Functional)	2(2+0)
FRNSC-310	College Algebra	3(3+0)
FRNSC-311	Principles of Chemistry	3(3+0)
FRNSC-312	Human anatomy-I	4(3+1)
FRNSC-313	Medical Physiology-I	4(3+1)
FRNSC-314	Information Technology	3(2+1)
	Total Cr. Hr.	19

Second Semester		
Course No.	Subject	Cr. Hr.
ENG-301	English B (Communication and writing skills)	4(4+0)
FRNSC-320	Calculus	3(3+0)
FRNSC-321	Organic Chemistry	3(3+0)
FRNSC-322	Human anatomy-II	4(3+0)
FRNSC-323	Medical Physiology-II	4(3+1)
FRNSC-324	Principles Science of Forensic	3(3+0)
FQ - 323	Fehm-e-Quran – I	0+1
	Total Cr. Hr.	22

2nd Professional BS. FORENSIC SCIENCES / FORENSIC BIOLOGY - BS.FB

Third Semester		
Course No.	Subject	Cr. Hr.
IS-402 / EB-402	Islamiyat / Ethics3	3(3+0)
FRNSC-410	Medical Biochemistry- I	4(3+1)
FRNSC-411	Medical Pharmacology-I	3(3+0)
FRNSC-412	Forensic Psychology	3(3+0)
FRNSC-413	Forensic Science in Court room	3(3+0)
FRNSC-414	Forensic Photography	3(3+0)
FQ – 423	Fehm-e-Quran – II	0+1
	Total Cr. Hr.	20

Fourth Semester		
Course No.	Subject	Cr. Hr.
PS-403	Pakistan Studies	2(2+0)
FRNSC-420	Medical Biochemistry- II	4(3+1)
FRNSC-421	Medical Pharmacology-II	3(3+0)
FRNSC-422	Genetics & Molecular Biology	3(3+0)
FRNSC-423	Forensic Medicine	4(3+1)
FRNSC-424	Digital Evidence Analysis	3(3+0)
	Total Cr. Hr.	19

A STUDY PLAN
BS. FORENSIC SCIENCES / FORENSIC BIOLOGY - BS.FB
DURATION: 4 YEARS

3rd Professional BS. FORENSIC SCIENCES / FORENSIC BIOLOGY - BS.FB.

Fifth Semester		
Course No.	Subject	Cr. Hr.
PS-403	Pakistan Studies	2(2+0)
FRNSC- 420	Medical Biochemistry- II	4(3+1)
FRNSC-421	Medical Pharmacology-II	3(3+0)
FRNSC-422	Genetics & Molecular Biology	3(3+0)
FRNSC- 423	Forensic Medicine	4(3+1)
FRNSC- 424	Digital Evidence Analysis	3(3+0)
	Total Cr. Hr.	19

Sixth Semester		
Course No.	Subject	Cr. Hr.
FRNSC-520	Forensic Toxicology	4(3+1)
FRNSC-521	Forensic Pathology	3(3+0)
FRNSC- 522	Forensic analysis of Trace Evidence	3(3+0)
FRNSC- 523	Forensic analysis of Fingerprints and Writing	3(2+1)
FRNSC- 524	Biostatistics	3(3+0)
	Total Cr. Hr.	16

4th Professional BS. FORENSIC SCIENCES / FORENSIC BIOLOGY - BS.FB .

Seventh Semester		
Course No.	Subject	Cr. Hr.
FRNSC-610	Immunology	3(2+1)
FRNSC-611	Forensic Computer Science Investigations	3(3+0)
FRNSC- 612	Homicide Scene Investigations	3(3+0)
FRNSC-613	Environmental Forensics	3(3+0)
FRNSC- 614	Forensic Entomology	3(2+1)
	Total Cr. Hr.	15

Eighth Semester		
Course No.	Subject	Cr. Hr.
FRNSC-620	Firearms and Tool marks Analysis	3(2+1)
FRNSC-621	Forensic Serology and DNA Analysis	4(3+1)
FRNSC- 622	Ethical and Legal Issues in Forensic Science	3(3+0)
FRNSC- 623	Biosecurity and Microbial Forensics	3(3+0)
FRNSC- 624	Forensic science internship	2(0+2)
	Total Cr. Hr.	15

BS Forensic Science Four Year Credit Hours Summary

BS Forensic Science	1st Semester	2nd Semester	Total
Year	Cr.Hr.	Cr.Hr.	Cr.Hr.
1st	19	22	41
2nd	20	19	39
3rd	17	16	33
4th	15	15	30
Total Credit Hours	66	66	143

FACULTY

PROF. DR. G SARWAR PIRZADA
PROFESSOR

PROF. DR. AFZAL MEMON
HOD & PROFESSOR

DR. HAYA AFZAL
ASSISTANT PROFESSOR

DR. FAIZA AFTAB
LECTURER

DR. SADIA ASIF
LECTURER

DR. WAFI IMTIAZ
LECTURER

INTRODUCTION OF BS. INFORMATION TECHNOLOGY (IT)

The Bachelor of Science in Information Technology program at The University of Modern Sciences, Tando Muhammad Khan is designed to equip students with the essential knowledge and skills needed to thrive in today's digital and data-driven world. This four-year degree program focuses on core areas such as software development, database systems, networking, cybersecurity, web and mobile application development, and IT project management.

Through a blend of theoretical learning and hands-on training, students are prepared to meet the growing demand for IT professionals across diverse sectors. The curriculum is aligned with industry standards and evolving technological trends, ensuring that graduates are ready to take on real-world challenges in both local and global markets.

With experienced faculty, modern computing labs, and a focus on innovation and problem-solving, our BS IT program fosters technical excellence, critical thinking, and ethical responsibility in the field of Information Technology.

Program Duration: 4 Years

Pathways: Software Engineer, Network Administrator, Database Manager, Web Developer, Cybersecurity Analyst, IT Consultant, and more.

BS INFORMATION TECHNOLOGY:

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

OR

a) H.S.C Pre-Medical or equivalent qualification, with at least 50% aggregate marks and Pre-Entry Test.

Deficiency: "Students with intermediate in Pre-Medical must have to pass deficiency courses of Mathematics of 6 credit hours in first two semesters."

Scheme of Study of BS. INFORMATION TECHNOLOGY 4-YEAR DEGREE PROGRAM 143-Credit Hours (8-SEMESTER).

A STUDY PLAN
BS. INFORMATION TECHNOLOGY
DURATION: 4 YEARS

1st Professional BS. INFORMATION TECHNOLOGY

First Semester		
Course No.	Subject	Cr. Hr.
ITEC-310	Discrete Structures	3
ITEC-312-313	Programming Fundamentals	4 (3+1)
ITEC-314-315	Application of Information and Communication Technologies	3 (2+1)
ITEC-300	Functional English	3
ITEC-316-317	Electronic Devices and Circuits	3 (2+1)
ITEC-302	Ideology and Constitution of Pakistan	2
ITEC-301	Mathematics-I (For Pre-Medical Students)	3
	Total Cr. Hr.	21

2nd Professional BS. INFORMATION TECHNOLOGY

Third Semester		
Course No.	Subject	Cr. Hr.
ITEC-410	Software Engineering	3
ITEC-412-413	Data Structures and Algorithms	4 (3+1)
ITEC-414	Linear Algebra	3
ITEC-416	Probability & Statistics	3
ITEC-418-419	Computer Organization and Assembly Language	3 (2+1)
ITEC-420	Civics and Community Engagement	2
FQ – 423	Fehm-e-Quran – II	0+1
	Total Cr. Hr.	19

Second Semester		
Course No.	Subject	Cr. Hr.
IS-304	Islamic Studies / Ethics	2
ITEC-303	Expository Writing	3
ITEC-320-321	Object Oriented Programming	4 (3+1)
ITEC-322	Calculus & Analytical Geometry	3
ITEC-324	Introduction to Management	2
ITEC-326-327	Digital Logic Design	3 (2+1)
Math-305	Mathematics-II (For Pre-Medical Students)	3
FQ - 323	Fehm-e-Quran – I	0+1
	Total Cr. Hr.	21

Fourth Semester		
Course No.	Subject	Cr. Hr.
ITEC-422-423	Database Systems	4 (3+1)
ITEC-424-425	Computer Networks	4 (3+1)
ITEC-426-427	Web Technologies	3 (2+1)
ITEC-428	Multivariable Calculus	3
ITEC-430-431	Computer Graphics and Game Development	3 (2+1)
	Total Cr. Hr.	17

3rd Professional BS. INFORMATION TECHNOLOGY

Fifth Semester		
Course No.	Subject	Cr. Hr.
ITEC-422-423	Database Systems	4 (3+1)
ITEC-424-425	Computer Networks	4 (3+1)
ITEC-426-427	Web Technologies	3 (2+1)
ITEC-428	Multivariable Calculus	3
ITEC-430-431	Computer Graphics and Game Development	3 (2+1)
	Total Cr. Hr.	17

4th Professional BS. INFORMATION TECHNOLOGY

Seventh Semester		
Course No.	Subject	Cr. Hr.
ITEC-610	Technical & Business Writing	3
ITEC-612	Entrepreneurship	2
ITEC-614-615	Elective V – ()	3 (2+1)
ITEC-616	Design and Analysis of Algorithms	3
ITEC-618	Elective VI – ()	3
ITEC-621	Final Year Project Part I	2
	Total CR. Hr.	16

Sixth Semester		
Course No.	Subject	Cr. Hr.
ITEC-520	Information Technology Infrastructure	3
ITEC-522	Parallel and Distributed Computing	3 (2+1)
ITEC-524-525	Elective III – ()	3 (2+1)
ITEC-526-527	Elective IV – ()	3 (2+1)
ITEC-528	Professional Practice	2
ITEC-530	Introduction to Marketing	3
	Total Cr. Hr.	17

Eight Semester		
Course No.	Subject	Cr. Hr.
ITEC-630-631	System and Network Administration	3(2+1)
ITEC-632	Elective VII – ()	3
ITEC-634	Cyber Security	3
ITEC-637	Final Year Project Part II	4
	Total Cr. Hr.	13

LIST OF ELECTIVE COURSES:

DOMAIN ELECTIVE COURSES		
Sr. No.	Course Name	Credit Hours
1	Telecommunication Systems	3 (2+1)
2	Routing & Switching	3(2+1)
3	Network Design and Management	3
4	Network Programming	3(2+1)
5	Computer Game Development	3(2+1)
6	Multimedia Technology	3(2+1)
7	3D Modeling & Animation	3(2+1)
8	Mobile Computing	3
9	Software Agents Technology	3(2+1)
10	E-Commerce Applications Development	3
11	Enterprise Application Development	3
12	Mobile Application Development	3(2+1)
13	Web Engineering	3(2+1)
14	Data Warehousing	3
15	Data Mining	3

DOMAIN ELECTIVE COURSES		
Sr. No.	Course Name	Credit Hours
16	Business Intelligence and Analytics	3
17	Distributed Database Systems	3
18	Enterprise Resource Planning Systems	3
19	Information Systems Auditing and Assurance	3
20	Business Process Management	3
21	Knowledge Management	3
22	Service-Oriented Architecture	3(2+1)
23	Bioinformatics	3
24	Biometric Systems	3
25	Mobile and Pervasive Computing	3
26	Computer Vision	3
27	System Analysis and Design	3
28	Automata Theory	3
29	Compiler Construction	3
30	Python Programming	3 (2+1)

DOMAIN ELECTIVE COURSES		
Sr. No.	Course Name	Credit Hours
31	Formal Methods	3
32	Software Requirement Engineering	3(2+1)
33	Software Design and Architecture	3(2+1)
34	Software Quality Engineering	3
35	Software CASE Tools & Applications	3
36	Software Construction	3
37	Software Engineering Economics	3
38	Design Patterns	3
39	Data Science	3 (2+1)
40	Network Science	3
41	Multimedia Systems and Design	3 (2+1)
42	Human Computer Interaction	3
43	Cloud Computing	3 (2+1)
44	Software Project Management	3 (2+1)
		(21/135)

FACULTY

PROF. DR. ASAD SHAIKH
HOD & PROFESSOR

MS. SANOBAR BALOCH
RESEARCH ASSOCIATE

DR. NADEEM AHMED
ASSISTANT PROFESSOR

DR. Sajeela
ASSISTANT PROFESSOR

DR. NADEEM AHMED
ASSISTANT PROFESSOR

DR. FAYAZ HASSAN
ASSISTANT PROFESSOR

MR. SHOUBAN ALI
LECTURER

MS. AFIFA JALBANI
LECTURER

MR. ABDUL HAMEED
RESEARCH ASSOCIATE



INTRODUCTION OF INDUS COLLEGE OF NURSING

Indus College of Nursing, The University of Modern Sciences, Tando Muhammad Khan was established in 2021 and since then has been providing an excellent foundation for a rewarding career in nursing. Our aim is to produce competent nurses and to improve quality of care provided at healthcare centers. Our faculty, which is highly specialized in its area of expertise, offers a wealth of knowledge and experience to the nursing students.

ICON maintains a high standard of education and offers world class nursing training to develop clinical, research and leadership rolls. We are registered with Pakistan Nursing and Midwifery Council (PNMC) Islamabad. And offer multiple diplomas, Degrees and Specialized courses in Nursing.



INDUS COLLEGE OF NURSING

VISION

Indus College of Nursing is a leading Nursing Educational institution that prepares competent, caring and compassionate nurses who provide evidence-based quality care to individuals, families, and communities to meet their health care needs.

MISSION

To provide a strong foundation to our students for advance studies in nursing through standardized admission, education and administrative policies. To provide conducive learning environment to our students and faculty members without any discrimination based on their race, color, gender, religion, political belief, marital status, nation or ethnicity.

To develop knowledge and skills of the students by means of proven methods of academic programs and instructions.



FACILITIES AT INDUS COLLEGE OF NURSING



CLASSROOMS LEARNING

The classrooms are air-conditioned and equipped with Multimedia, LEDs, and whiteboards.



SKILLS LAB

Skills lab is an integral part of clinical learning where nursing students learn a variety of psychomotor skills. Skills Lab provides an opportunity for the students to strengthen their critical thinking and decision making skills under the supervision of their teachers. Learning psychomotor skills in the lab also facilitate students to gain confidence before performing any procedure on the real patient. After the initial training in Skills lab, the students are sent for clinical practice to the hospital where they work under the supervision of the faculty and registered nurses.



SCIENCE LAB

Indus College of Nursing provides the facility of separate Science Lab where students can perform basic science experiments. The science lab provides students with necessary skills and technologies for laboratory-based investigations within biological and life sciences areas. The laboratory is well equipped with analytical laboratory techniques and equipment's specifically in the subjects of Biochemistry, Life sciences and Microbiology. It enables the nursing students to explore a variety of laboratory techniques to be prepared and trained for the clinical set up.



CENTRAL LIBRARY

The Students have access to Internet and Wi-Fi facilities in the library. Students also have access to the research articles and ebooks.



FACILITIES AT INDUS COLLEGE OF NURSING



HOSPITAL BASED CLINICAL FACILITIES

For the clinical placement, the college is affiliated with Indus Medical College Hospital. the hospital provide the students exposure to a number of clinical disciplines related to all areas of medical and surgical nursing, leadership and management Pediatric, Gynae and Obstetrics. Although the primary clinical site for students remain IMCH, but for certain specialized trainings such as mental health nursing, students do their clinical training at Sir Cowasjee Institute of Psychiatry, Mental Hospital Hyderabad.



COMPUTER LAB

For all computer related work student utilize fully furnished computer lab. Students also have the internet facility in the computer lab.



LIFE AT INDUS COLLEGE OF NURSING CO-CURRICULAR ACTIVITIES

As a part of Co-curricular activities ICON arranges the Many Activities Like Awareness Workshops, BLS Programs, Seminars, debates, cultural and social welfare activities and Sports activities the students also have the opportunity to participate in character building activities organized by the Higher Education Commission and ICON.

ICON students also participate in different activities and events organized by The University of Modern Sciences, Tando Muhammad Khan.



INDUS COLLEGE OF NURSING

GENERIC BSN (04 YEARS DEGREE PROGRAM)

REGISTRATION OF PAKISTAN NURSING COUNCIL

BSN Degree program is registered with Pakistan Nursing & Midwifery Council (PNMC), Islamabad as per their Rules & Regulations.

ADMISSION CRITERIA

Qualification: FSc (Pre-Medical) or equivalent with 50% marks minimum, having studied Biology.

- Age Limit: 14-35 Years
- Gender Ratio: Open Merit

Scheme of Study of 4 Year Generic BSN

This program comprises a minimum of 134 Credit Hours.

A STUDY PLAN
Generic BSN
DURATION: 4 YEARS

1st Professional Post RN BSN

First Semester		
Course No.	Subject	Cr. Hr.
	Microbiology	1.5+0.5
	Biochemistry for Nurses	1.5+0.5
	English-I (Functional)	3+0
	Fundamental of Nursing -I	2+1
	Anatomy &Physiology- I	2.5+0.5
	Ideology & Constitution of Pakistan	2+0
	Information & Communication Technology	1+1
	Total Cr. Hr.	17

Second Semester		
Course No.	Subject	Cr. Hr.
	Fundamental of Nursing-II	2+2
	Quantitative Reasoning-I	3+0
	Anatomy &Physiology-II	2.5+0.5
	Applied Nutrition	2+0
	Theoretical Basis of Nursing	2+0
	Islamic Studies/ Ethics	2+0
FQ-323	Fehm-e-Quran - I	0+1
	Total Cr. Hr.	17

2nd Professional Post RN BSN.

Third Semester		
Course No.	Subject	Cr. Hr.
	Professional Communication Skills	3+0
	Clinical Pharmacology & Drug Administration- I	2+0
	Medical Surgical Nursing-I	3+4
	Health Assessment-I	1+1
	Pathophysiology-I	2+1
FQ - 423	Fehm-e-Quran - II	0+1
	Total Cr. Hr.	18

Fourth Semester		
Course No.	Subject	Cr. Hr.
	Applied Psychology	3+0
	Medical Surgical Nursing-II	3+4
	Health Assessment-II	1+1
	Pathophysiology-II	2+0
	Clinical Pharmacology & Drug Administration -II	2+0
	Professionals Ethics for Nurses	2+0
	Total Cr. Hr.	18

A STUDY PLAN
Generic BSN
DURATION: 4 YEARS

3rd Professional Generic BSN.

Fifth Semester		
Course No.	Subject	Cr. Hr.
	Civics & Community Engagement	2+0
	Pediatric Health Nursing	3+3+1
	Maternal Neonatal & Child Health Nursing	2+1
	Epidemiology	2+0
	Infectious Diseases	2+0
	Total Cr. Hr.	16

Sixth Semester		
Course No.	Subject	Cr. Hr.
	Principled of Teaching & Learning	3+0
	Public Health Nursing	2+2
	Mental Health Nursing	3+2+1
	Introduction to Biostatistics (QR2)	3+0
	Culture, Health & Society	2+0
	Total Cr. Hr.	18

4th Professional Generic BSN.

Seventh Semester		
Course No.	Subject	Cr. Hr.
	Leadership & Management	2+1
	Critical Nursing Care Nursing	2+4+1
	Introduction to Nursing Research	3+0
	Entrepreneurship	2+1
	Elective	2+0
	Total Cr. Hr.	17

Eighth Semester		
Course No.	Subject	Cr. Hr.
	Geriatric Nursing	1.5+1.5
	Trends & Issues in Health care	2+0
	Expository Writing	3+0
	Elective	3+0
	Clinical Practicum	0+4
	Total Cr. Hr.	15



INDUS COLLEGE OF NURSING

1. Attendance in Classes and Clinical Experience.

The University is determined to improve its teaching standards. The record of attendance is essential to determine eligibility of students for her / his appearing in the examination.

- It is mandatory for students to attend all classes and clinical sessions. Further it is responsibility of students to arrange make up for missed classes, assignments, test and clinical.
- 75% attendance is mandatory to be eligible to appear in the semester examination.
- 10% waiver (5% by Vice Chancellor & 5% by waiver Committee) can be given on medical grounds by the committee as per university rule.
- At least 40% attendance shall be required to appear in the RE-SIT EXAMINATION.

2. Regular Assigned Leave:

- a) There will be 15 days leave between each semester.
- b) During the maternity leave, if the academic session in on the student will cover the remaining course work by themselves.
- c) No student is allowed to remain absent during clinical experiences.
- d) Leave of absence for special reasons must be obtained from the Head of Institution or Co-coordinator of the Class.

3. Withdrawal Dismissal.

The authority of the TUMS has the privilege of recommending the withdrawal or dismissal of admission or semester of any student for the following reasons.

- | | |
|--|--|
| a) Class or Clinical attendance of less than 75%. | b) Any conduct which is judged unsatisfactory, illegal or immoral. |
| c) Failure to meet the Academic standards due to academic failure. | d) Failure to abide by the rules and regulations. |



INDUS COLLEGE OF NURSING

PROCEDURE POLICY / RULES OF ADMISSION

1. Application along with attested photocopies of required documents shall be submitted in the prescribed printed form and all columns must be filled in correctly. Incomplete forms are liable to be rejected.
2. All admissions are provisional, subject to verification of their original documents submitted by the candidate. If, at any stage it is proved that the candidate has been admitted on the basis of FAKE or INCORRECT document(s), her/his admission will be cancelled and University authorities reserve the right to take legal action against that candidate. Penalty may also add here.

Academic Policies and Procedures

A. GENERAL INSTITUTIONAL REGULATIONS

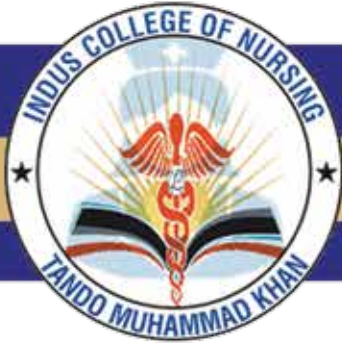
- a). All the candidates must present themselves in the institute on the first day of first semester, i.e. Orientation Week.
- b). Class schedule / time table will be posted on bulletin / Notice board
- c). Classes will be scheduled to 8.00 am to 3.00 pm.
- d). A Student will not be allowed after 15 Minutes of the start of the class.



INDUS COLLEGE OF NURSING

- **Attendance in Classes and Clinical Experience.**

- The University is determined to improve its teaching standards. The record of attendance is essential to determine eligibility of students for her / his appearing in the examination.
- 75% attendance is required to be eligible to appear in the semester examination. 10% waiver (5% by Vice Chancellor & 5% by waiver Committee) can be given on medical grounds or any other valid reason acceptable by the committee.
- The candidate having less than 65% attendance shall not be eligible to appear in the regular semester examination.
- The candidate required at least 40% attendance shall be eligible to appear in the re-sit examination only.
 - **As per Pakistan Nursing & Midwifery Council Rule** students must have to attend 100% of the total clinical hours and 85% of the theoretical hours in each subject of academic session to appear in examination.
 - If a student fails to attend as per PN&MC Rule will repeat the Subjects in next academic year.



INDUS COLLEGE OF NURSING

Post RN BSN (02 years Degree Program)

This is a 2 years program offered by the Indus College of Nursing. The aim of this program is to provide an opportunity to qualified registered nurses who already have diploma in nursing (RN) & Post basic specialty to earn a Bachelor of Sciences degree in Nursing. Graduates of this program will be streamlined with national and international basic nursing education. These professional nurses will further be able to strengthen the nursing practices.

REGISTRATION OF PAKISTAN NURSING COUNCIL

BSN Degree program is registered with Pakistan Nursing & Midwifery Council (PNMC), Islamabad as per their Rules & Regulations.

ADMISSION CRITERIA

Post RN BSN (02 years Degree Program)

Qualification:

- Matric with Science (Biology, Chemistry & Physics as compulsory subjects)
OR
Matric Arts as per HEC Notification No.8 (61)/A&A/2018/HEC/5998 dt. 06.04.2018..
- Diploma in Nursing
Diploma in Midwifery (any Post Basic Specialty for males in lieu of midwifery)

Scheme of Study of 2 Years Post RN BSN

This program comprises a minimum of 66 Credit Hours.

A STUDY PLAN
Post RN BSN
DURATION: 2 YEARS

1st Professional Post RN BSN

First Semester		
Course No.	Subject	Cr. Hr.
SC 611	Biochemistry	2(1.5+0.5)
NU 612	Advance Concepts in Nursing I (Adult Health Nursing)	4 (2+2)
NU 613	Health Assessment	3(1.5+1.5)
SC 614	Pharmacology	3
EN 615	English I (Functional)	2
CS 616	Computer Skills & Information Technology	02
	Total Cr. Hr.	16

2nd Professional Post RN BSN.

Third Semester		
Course No.	Subject	Cr. Hr.
Nu 631	Advance Concepts III (CHN)	04(2+2)
SC 632	Introduction to Nursing Research	03
NU 633	Professional Development and Ethics	03
PS 634	Pak Studies	02
NU 634	Leadership and Management	03
EN 635	English III (Professional writing)	02
FQ - 423	Fehm-e-Quran - II	0+1
	Total Cr. Hr.	18

Second Semester		
Course No.	Subject	Cr. Hr.
NU 621	* Advance Concepts in Nursing (II) Mental Health	04 (2+2)
SC 622	Introduction to Biostatistics	02
SC623	Epidemiology	02
HU 624	Culture Health & Society	02
NU 625	Introduction to Nursing Models & Theories	02
EN 626	English II (Academics)	02
NU 627	Principle of Teaching and Clinical Preceptorship	3
FQ-323	Fehm-e-Quran - I	0+1
	Total Cr. Hr.	18

Fourth Semester		
Course No.	Subject	Cr. Hr.
NU 641	*Research/ Evidence based Elective project	4
NU 642	**Clinical Practicum	6
EN 643	English IV (Scholarly writing)	2
IS 644/ ET 644	Islamic Studies/Ethics (For Non-Muslims)	02
	Total Cr. Hr.	18

Total Credits for Two Years				
	Semester-I	Semester –II	Total	Theory & Practice balance =
Year I	16 Credits	18 Credits	34	
Year II	18Credits	14 Credits	32	
Grand Total			66	

*Research/ Evidence based Elective project: Every student should write a project report/research report/ individually in the final year in their topic of interest approved by Faculty.

**The clinical practicum should be flexible and student should choose clinical area according to their interest with an approval obtained from the course teacher. The clinical practicum should also include clinical seminar, tutorials, clinical and reflective logs.

Note: Numbering of the courses will be at level 6. Above table is provided as an example where the first number '6' shows the level of the course as provided by HEC, second number is the number of semester in the program and the third number is the sequence of the course in the semester. However, the university has the flexibility of numbering the courses as per their university rule without changing the first number which is 6.

ACADEMIC POLICIES FOR POST RN BSN

Upon completion of degree

Theory Course of 01 Credit Hours	01 class of 01 hour per week
Practical / Clinical (Lab) Work / Field Work of 01 Credit Hour	03 hours per week

1. Course Credit Calculation

The credit hours are denoted by two digits within brackets with a hyphen/plus in between. The first digit **represents the theory part while the second** (right side) digit represents the practical.

Thus 3(3+0)/3(3-0) means three credit hours of theory, while 4(3+1)/4(3-1) means a total of four credit hours, of which three are of theory while one credit hour is for laboratory/studio work/field work/practical work supervised and graded by the faculty, and 4(1+3)/4(1-3) means a total of four credit hours, of which one is of theory while three credit hours are for laboratory/studio work/field work/practical work as per requirement of discipline.

Certified Nursing Assistant (CNA) Overview

The Certified Nursing Assistant (CAN) Diploma programme is of two academic years leading to the eligibility for license as CNA. The programme is recognized by the Pakistan Nursing Council, Islamabad.

Certified Nursing Assistant (CNA) is a (02) Two-years professional education program leading to practice as a registered Nurse. The diploma program offers integrated nursing knowledge, skills and professional attitude. Upon completion of this program the graduate is prepared to be a safe clinical nurse, who will be able to provide comprehensive care at primary, secondary and tertiary levels with in hospitals and community settings.

Goals:

In keeping with our philosophy, the major goals of PNC to start this program are to:

- Educate nurses with appropriate knowledge, skills and attitudes and with clinical competency.
- Maintain a safe and Healthy environment for the prevention of disease, promotion and maintenance of health.
- provide information, counselling and health education to individual family and community.
- Participate in screening, case identification and management of common minor illness and injuries.
- Participate actively in professional organization for the improvement of the nursing profession.



INDUS COLLEGE OF NURSING

2 years Certified Nursing Assistant (CNA) Diploma

ADMISSION CRITERIA

- Matriculation in Science group (Minimum 45%)
- Age: 18 to 35 years
- Gender : Male and Female

Required Documents

Mark Certificate Matriculation

- Pass Certificate Matriculation
- CNIC Copy of Father / Guardian
- 05 Pass port size photographs (White Background)
- CNIC Copy of Applicant
- Domicile PRC-Form C

Scheme of Study of 2 Years Certified Nursing Assistant (CNA) Diploma

1st Professional Certified Nursing Assistant (CNA) Diploma

A TYPICAL STUDY PLAN
 Certified Nursing Assistant (CNA)
 Diploma
 DURATION: 2 YEARS

1 ST YEAR			2 ND YEAR		
S/NO	SUBJECTS	CR/HR	S/NO	SUBJECTS	CR/HR
1	ORIENTATION/PTS	72			
2	English	60	1	English	100
3	FON /Ethics/ history of nursing:				
			2	Community Health Nursing/ Nutrition	
	THEORY	150		Theory =	150
	NURSING LAB	179		Clinical =	450
	BED SIDE NSG	777		Total =	600
	TOTAL	1106			
4	Microbiology		3	Medical Surgical Nursing:	
	THEORY	24		Theory =	150
	PATH LAB	20		Clinical =	450
	TOTAL	44		Total =	600
5	Anatomy & Physiology		4	Pharmacology/ Math	
	THEORY			Theory	Lab
	SCIENCE LAB	100		TOTAL	06
	TOTAL	30			56
		130			
6	Islamiat/ Ethics	20	5	Pediatric Nursing	

POST BASIC CARDIAC NURSING DIPLOMA

The Post Basic Diploma in Cardiac Nursing is 1 year program that provides experiential and educational opportunities for Nurses professional grooming and enhances the hospital's commitment to patient care.

Eligibility Requirements

Male and female nurses who meet the following requirements are eligible to apply:-

3 years Basic Nursing Diploma Training

2 years Experience as a Registered Nurse with Pakistan Nursing Council (PNG:)





INDUS COLLEGE OF NURSING

POST BASIC CARDIAC NURSING DIPLOMA

ADMISSION CRITERIA

- Diploma in General Nursing
- Gender: Male and Female
- Valid PNC Registration

Required Documents

- 3 years General nursing Diploma passed or (appearance certificate for result awaiting Student).
- Valid PNC Registration Card
- Pass Certificate Matriculation
- CNIC Copy of Father / Guardian
- 05 Pass port size photographs (White Background)
- Mark Certificate Matriculation
- CNIC Copy of Applicant
- Domicile PRC-Form C

POST BASIC ICU NURSING DIPLOMA

This 1-year Post Basic ICU Nursing Diploma is consists of 12 core modules along with 6 supplementary modules. The curriculum of this course fosters critical thinking decision-making, knowledge-based actions reflective practice, professional and technical skills at completion of diploma the nurses will be able to:

1. Work professionally as Critical Care Nurse and deliver individualized quality care to the critically ill patient and the family.
2. Demonstrate responsibility and accountability by using knowledge, skills, expertise and experience within the professional legal and ethical boundaries in nursing care decision making.
3. Identify personal social and environmental factors that affect attitudes towards health and illness.
4. Apply current nursing developments and techniques in accordance with the institutional and National Codes of Practice and Policies, and the changing Health Care System.
5. Develop nursing research skills to utilize research and evidence-based findings in Emergency and Critical Care Nursing settings.
6. Demonstrate reflective skills on knowledge and skills in clinical practice and in situational decision making.





INDUS COLLEGE OF NURSING

POST BASIC ICU NURSING DIPLOMA

ADMISSION CRITERIA

- 1 years Post Basic "ICU Nursing" Diploma
- Diploma in General Nursing
- Gender: Male and Female
- Valid PNC Registration

Required Documents

- | | |
|---|----------------------------------|
| ● 3 years General nursing Diploma passed or (appearance certificate for result awaiting Student). | ● Mark Certificate Matriculation |
| ● Valid PNC Registration Card | ● CNIC Copy of Applicant |
| ● Pass Certificate Matriculation | ● Domicile PRC-Form C |
| ● CNIC Copy of Father / Guardian | |
| ● 05 Pass port size photographs (White Background) | |



INDUS COLLEGE OF NURSING

FIRST & SECOND SEMESTER EXAMINATION

First Semester students who after appearing in Regular Semester examination, either declared pass or fail will be allowed for promotion to the Second Semester. Upon promoting to 2nd Semester students who either pass or fail, in First Semester examination, both will be allowed to appear in 2nd Semester (Regular) examination and Pending Result of Second Semester Examination.

If the classes of 3rd Semester are commenced, students of 2nd Semester (either pass or fail in 1st Semester) will be allowed to attend the classes of 3rd Semester. After announcement of 2nd Semester examination result, students of 1st & 2nd Semester will fall in the following groups.

- | | |
|--|--|
| a) Passed First & Second Semester | b) Passed Second Semester but failed in First Semester |
| c) Passed First Semester but failed in Second Semester | d) Failed in both Semesters |

Students under category "B", "C" and "D" will be allowed Re-sit examinations of First & Second Semesters simultaneously while they remain under study process of Third Semester. After announcement of Re-sit examinations result of both First & Second Semesters, the students will be bifurcated into the following groups:

- 1) Passed First & Second Semesters examinations completely, they will continue in 3rd Semester.
- 2) Students who failed either in First Semester or in Second Semester or both examinations shall be reverted i.e. TERMED BACK to First Semester or in Second Semester or both with junior batch.

IMPORTANT

In case of their failure in subjects of 1st Semester or 2nd Semester or both semesters, after re-sit / repeat examination, 8 (eight) chances / whether appear or not despite being eligible for each examination shall cease to pursue further nursing education. Their names shall be struck off from the roll of Indus College of Nursing. The University of Modern Sciences, Tando Muhammad Khan as per policy of this University.



INDUS COLLEGE OF NURSING

THIRD & FOURTH SEMESTER EXAMINATION

Third Semester students who after appearing in Third Semester (Regular) examinations, either declared PASS or FAIL will be allowed in Fourth Semester, upon promotion in 4th Semester students who either have passed or fail in 3rd Semester Examination. Pending result of 4th Semester Examination, if the classes of 5th Semester are commenced, students of 4th Semester (either pass or fail in 3rd semester) will be allowed to attend the classes of 5th Semester. After announcement of 4th semester examination result, students of 3rd and 4th Semester will fall in the following groups:

- | | |
|---|---|
| a) Passed 3rd and 4th Semester | b) Passed 4th Semester but failed in 3rd Semester |
| c) Passed 3rd Semester but failed in 4th Semester | d) Failed in both the Semesters |

Students under category b, c and d will be allowed Re-sit examination of 3rd and 4th Semesters simultaneously, while they remain under study process of 5th Semester. After announcement of Re-sit examinations result of both 3rd and 4th Semesters, the students will be bifurcated into the following groups:

- 1) Passed 3rd and 4th Semesters examination completely, they will continue in 5th Semester.
- 2) Students who failed either in 3rd Semester or in 4th Semester or both examinations shall be reverted i.e. termed back to 3rd Semester or in 4th Semester or both with junior batch.

IMPORTANT

Above group of students of BS Nursing, after term back, will repeat the failure subject(s) of semester 3rd or 4th or both with junior batch.

FIFTH & SIXTH SEMESTER EXAMINATION

5th Semester students who after appearing in 5th semester (regular) examination, either declared pass or fail will be allowed promotion to 6th semester. Upon promotion in 6th Semester, students who either pass or fail in 5th Semester examination both will be allowed to appear in 6th Semester examination. Pending result of 6th Semester examination, if the classes for 7th Semester are commenced, students of 6th Semester (either pass or fail in 5th Semester) will be allowed to attend the classes of 7th Semester.



INDUS COLLEGE OF NURSING

After announcement of 6th Semester examination result, students of 5th and 6th Semesters will fall in the following groups:

- | | |
|---|---|
| a) Passed 5th and 6th Semester | b) Passed 6th Semester but failed in 5th Semester |
| c) Passed 5th Semester but failed in 6th Semester | d) Failed in both the semesters |

Students under category b, c and d will be allowed Re-sit examinations of 5th and 6th Semesters simultaneously while they remain under study process of seventh semester.

After announcement of Re-sit examinations result of both 5th and 6th semesters, the students will be bifurcated into the following groups:

- 1) Passed 5th and 6th Semesters examinations completely they will continue in 7th Semester
- 2) Students who failed either in 5th Semester or in 6th Semester or both examinations shall be reverted i.e. TERMED BACK to 5th semester or in 6th Semester or both with junior batch.

IMPORTANT

Above group of students of BS Nursing after TERM BACK will repeat the failure subject(s) of 5th or 6th Semesters both with junior batch.

SEVENTH AND EIGHTH SEMESTER EXAMINATION:

7th Semester students who after appearing in 7th Semester (regular) examination, either declared PASS or FAIL will be allowed promotion to 8th Semester.

Upon promotion in 8th Semester students who have either passed or failed in 7th Semester examination both will be allowed to appear in 8th Semester examination.



INDUS COLLEGE OF NURSING

1. In case, students who will be declared pass both in 7th and 8th semesters, they will be declared to have pass BS Nursing Examination completely and shall be awarded Degree.
2. However, in case of failure in either 7th and 8th or both semesters they will be allowed to appear in Re-sit examination and will continue to repeat failure subject(s) till they completely pass the 7th / 8th or both Semesters examinations.

With reference to letter No. PNC F11/Admin/2009 1580, dated: 18.07.2009, issued by Pakistan Nursing Council Islamabad institute will follow examination policy including passing criteria and / or grading system of LUMHS Jamshoro.

FEE FOR FAILURE / REPEATER STUDENTS

In case of students who are admitted under semester system and are declared fail in one semester but passed the other semester of the same year, they will be charged HALF SELF-FINANCE FEE.

In case of detained / with-held students shall be charged ONE THIRD (1/3) of the Total Annual Tuition Fee (for each failed subject), if a student is failed in all subjects 75% of annual tuition fee shall be charged.

Repeater candidates who are admitted under general regular merit category will be charged FULL FEE.

REGISTRATION OF PAKISTAN NURSING COUNCIL

After four years of semester system education and one-year honorary Internship in the affiliated Hospital, the licensing examination will be conducted by Pakistan Nursing and Midwifery Council (PNMC) for registration.

MEDIUM OF INSTRUCTION

The medium of teaching / instruction, both in practical and theory, is carried out in English.

FACULTY

Mr. Asif Ali
Principal

Mr. Ubedullah
Assistant Professor

Ms. Aksa Banu
Senior Nursing Instructor

Ms. Rehana
Nursing Instructor

Ms. Shahnaz Keerio
Vice Principal

Ms. Syeda Almas Zaidi
Senior Nursing Lecturer

Ms. Samra Rafique
Nursing Lecturer

Ms. Tooba Sheikh
Nursing Instructor

FACULTY

Ms. Vivean Sandra
Nursing Lecturer

Ms, Nazia Hassan
Nursing Lecturer

Ms. Amber Ayoub
Nursing Lecturer

Ms. Iqra
Nursing Lecturer

Ms. Mehak Memon
Demonstrator

Mr. Abdul Rehman
Visiting Faculty

Mr. Abdul Karim
Visiting Faculty

DIPLOMA IN CT TECHNOLOGY

One year Diploma in CT technology leading to CT technologist is a well-structured program having two regular semesters over one year period consisting of 40 credit hours. After this diploma candidate will be able to perform all types of CT scans independently. The curriculum is at par with the international standard.

Goals

1. Develop competent, effective, medical imaging professional.
2. Support development of skills necessary to practice in diverse healthcare environments and to acquire prominent roles in radiologic science.
3. Program curriculum, teaching methods and philosophy promote development of integrative, critical thinking and communication skills to include written, oral and electronic discourse.
4. Graduate successfully pursue scholarly activities such as contributions to the profession and post-baccalaureate education.
5. Encourage global awareness of cultural and health care perspectives.

STUDENT OUTCOMES

1. Graduates completing the program will:
2. Competently perform CT Procedures to obtain diagnostic images.
3. Provide appropriate patient care to CT patients
4. Demonstrate ALARA principles to ensure radiation safer.
5. Communicate professionally with patients and members of the healthcare team.
6. Perform and monitor quality assurance tests.
7. Emphasizes the principles of exposure, image quality, patient care, radiation safety and other associated professional skills,
8. Placement of clinical assignment is by program coordinator.



Scheme of Study of 01-YEAR DCTT Program

A TYPICAL STUDY PLAN
DIPLOMA IN CT TECHNOLOGY
DURATION: 1 YEARS

SEMESTER	COURSE #	NAME OF SUBJECT	CREDIT HOUR
FIRST	DIPCT-211	General Anatomy for Imaging	2 + 0
	DIPCT-212	English – I	1 + 1
	DIPCT-213	Computer Skills	2 + 3
	DIPCT-214	CT procedure/ patients Care-I	2 + 2
	DIPCT-215	CT Physics – I	
Semester Credit Hour			16
SECOND	DIPCT-211	General Anatomy for Imaging	2 + 1
	DIPCT-221	CT Physics – II	2 + 2
	DIPCT-222	English – II	2 + 0
	DIPCT-223	Cross Sectional Anatomy for Imaging	2 + 0
	DIPCT-224	CT Procedure and Patient Care – II	2 + 3
Semester Credit Hour			13

Diploma in X-Ray

The healthcare industry is expanding and professionals in various fields are needed to ensure a well-managed healthcare sector in a country.

This course deals with the electromagnetic radiations that enter the human body and create images of internal structures in photographic form. After the doctor deals with the problem and treats them.

This course helps the students to acquire the knowledge to perform in the laboratory tests general radiography and electrocardiograms and many more tests with the technology of electromagnetic radiations.

Diploma in X-ray technology is a course where students can learn how to prepare a patient undergoing x-rays and electrocardiogram procedures and the process is carried out carefully.

Students conduct vein-punctures and injections as well as office laboratory tests.



Human Anatomy	Radiography: Patient Care and Hospital Practice
Radiographic Techniques and Diagnostic	Basics of Radiography
Radiodiagnostic Radiography Equipment	Electrocardiography
Radiodiagnostic Result Correlation	Radiographic Techniques
Clinical Haematology, Chemistry, and Urinalysis	Radiographic Image Acquisition
Diagnostic Radiography	Basic Physics

Diploma in Blood Bank and Transfusion

This program is intended for students who are willing to pursue their career in Blood Bank and Transfusion Medicine.

AIM

After completion of this Diploma course candidates will be able to perform all types of basic as well as advanced Blood Bank techniques.

ABOUT THIS PROGRAM

One year diploma in Blood Bank and Transfusion is a well-structured program having two regular semesters comprising 40 credit hours



Diploma in Blood Bank and Transfusion SCHEME OF STUDIES FOR 01-YEAR DBBT PROGRAM

SEMESTER	COURSE #	NAME OF SUBJECT	CREDIT HOUR
FIRST	DBT – 711	Blood Banking I	03 + 04
	BBE – 712	English	2 + 0
	BBCS – 713	Computer Skill	1 + 1
Semester Credit Hour			11
SECOND	DBT – 721	Blood Banking II	4 + 6
Semester Credit Hour			10

DIPLOMA IN OPHTHALMIC TECHNICIAN

INTRODUCTION

This program is intended for students who are willing to pursue their career as an ophthalmic Technician.

ABOUT THIS PROGRAM

Two years diploma program for Ophthalmic technician is a well-structured program having four regular semesters.



SEMESTER	COURSE #	NAME OF SUBJECT	CREDIT HOUR
FIRST	DOT – 211	Anatomy	2+1
	DOT – 212	Physiology	2+1
	DOT – 213	Diagnostic Instruments and Refractive Errors	3+5
	DOT – 214	English	2+0
	DOT – 215	Computer Skills	1+1
	DOT – 216	Pakistan Studies	2+0
Semester Credit Hour			20
SECOND	DOT – 221	Ocular Anatomy	2+1
	DOT – 222	Ocular Physiology	2+1
	DOT – 223	Optic and Refraction I (Viva Only)	0+4
	DOT – 224	Islamiat	2+0
Semester Credit Hour			12

SEMESTER	COURSE #	NAME OF SUBJECT	CREDIT HOUR
FIRST	DOT – 231	Ocular Pathology	2 + 1
	DOT – 232	Ocular Pharmacology	2 + 1
	DOT – 233	Optic and Refraction II (Viva Only)	0 + 4
	DOT – 234	Clinical Pharmacology	2 + 1
Semester Credit Hour			13
SECOND	DOT – 241	Sterilization (Viva Only)	0 + 4
	DOT – 242	Ocular Surgical Procedures	2 + 2
	DOT – 243	Optic and Refraction III (Viva Only)	0 + 4
Semester Credit Hour			12

DIPLOMA IN DENTAL TECHNICIAN

INTRODUCTION:

This program is Intended for students who are willing to pursue their career as a dental technician.

ABOUT THIS PROGRAM

Two years diploma program for dental technician is a well-structured program having four regular semesters. Sound knowledge regarding dental procedures techniques and oral hygiene will be given to the candidates.



DIPLOMA IN DENTAL TECHNICIAN

SCHEME OF STUDIES FOR 02-YEAR DDT PROGRAM

SEMESTER	COURSE #	NAME OF SUBJECT	CREDIT HOUR
FIRST	DDT – 511	Dental Material	2+2
	DDT – 512	Physiology	2+1
	DDT – 513	Anatomy	2+1
	DDT – 514	Microbiology and Cross Infection Control	2+1
	DDT – 515	English	2+0
	DDT – 516	Computer Skills	1+1
Semester Credit Hour			17
SECOND	DDT – 521	Removeable Prosthodontics (Partial Denture) (Laboratory)	3+3
	DDT – 522	Introduction of Dental Anatomy	4+0
	DDT – 523	Basic Dental Technology	2+0
	DDT – 524	Sterilization and Disinfection	0+2
	DDT – 524	Islamiat	2+0
Semester Credit Hour			16

SEMESTER	COURSE #	NAME OF SUBJECT	CREDIT HOUR
THIRD	DDT – 531	Lab Management Skills	2 + 0
	DDT – 532	Removeable Prosthodontics (Complete Denture) (Laboratory)	3 + 3
	DDT – 533	Orthodontic Appliances (Laboratory)	2 + 2
	DDT – 534	Conservation Technology	2 + 0
	DDT - 535	Occlusion to Dental Laboratory Procedures	2 + 0
	DDT – 516	Computer Skills	1+1
Semester Credit Hour			16
FOURTH	DDT – 541	Maxillofacial Prosthodontics	0+2
	DDT – 542	Implant Prosthodontics	2+0
	DDT – 543	Fixed Prosthodontics	2+3
	DDT – 544	Ceramic Lab	0+5
	DDT – 545	Advance in Dental Technology	0+2
Semester Credit Hour			16

Diploma in Refraction Technician

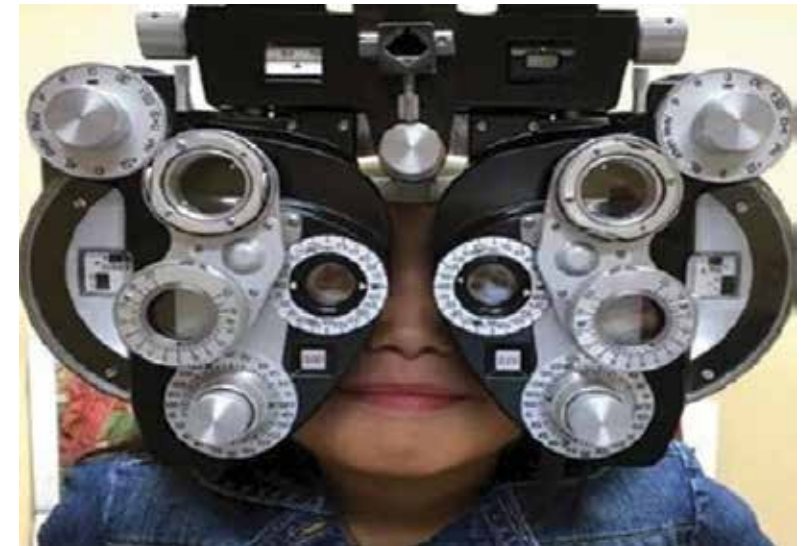
INTRODUCTION:

The course enables the candidate to carry out various tests using all the latest equipment in the market and creating a strong foundational knowledge in the subject area for the candidates.

This will ensure that your training is congruent with international Standards and will be recognized both in India and abroad. The course aims to impart interactive training for aspiring refractions on the following topics.

Required Documents

- Effectively record the patient's optometric histories
- Perform tests of visual acuity including distant and near vision with and without optical correction
- Assess the visual field
- Understand the principles of retinoscopy and subjective refraction.
- Dispense spectacles and optical prescription accurately.
- How to maintain confidentiality of medical records.



DIPLOMA IN REFRACTION TECHNICIAN

SCHEME OF STUDIES FOR 02-YEAR DDT PROGRAM

SEMESTER	COURSE #	NAME OF SUBJECT	CREDIT HOUR
FIRST	DRT – 611	Anatomy	2+1
	DRT – 612	Physiology	2+1
	DRT – 613	Diagnostic Instruments and Refractive Errors	3+5
	DRT – 614	English	2+0
	DRT – 615	Computer Skills	1+1
	DRT – 616	Pakistan Studies	2+0
Semester Credit Hour			20
SECOND	DRT – 621	Ocular Anatomy	2+1
	DRT – 622	Ocular Physiology	2+1
	DRT – 623	Optic and Refraction I	2+2
	DRT – 624	Islamiat	2+0
Semester Credit Hour			12

SEMESTER	COURSE #	NAME OF SUBJECT	CREDIT HOUR
THIRD	DRT – 631	Ocular Pathology	2 + 1
	DRT – 632	Ocular Pharmacology	2 + 1
	DRT – 633	Squint Assessment	2 + 2
	DRT – 634	Clinical Pharmacology	2 + 1
Semester Credit Hour			13
FOURTH	DRT – 541	Practical Refraction	2+2
	DRT – 542	Surgical Procedures in Refraction	2+2
Semester Credit Hour			8

DIPLOMA IN REFRACTION TECHNICIAN

INTRODUCTION:

ELIGIBILITY CRITERIA FOR ADMISSION

The admission in all four years BS Programs, AAS in RADIOLOGIC TECHNOLOGY & Diploma Programs at College of Technology will purely be on merit basis.

1. Those candidates who have passed the Higher Secondary School Certificate (HSC) Examinations (Pre-Medical Group) with science subject/s i.e. Biology, Chemistry and Physics or 'A level (Pre- Medical) secured at least 50% marks in aggregate from any Board of Higher Secondary Education in Pakistan or any Institution from Foreign Countries duly recognized by Inter-Board Committee of Chairman (IBCC) are eligible to apply for the BS. TECHNOLOGY & DIPLOMA IN TECHNOLOGY PROGRAMMES.
2. The candidate should be permanent Resident of any District of Sindh.
3. For admission in Diploma in CT Technology and Diploma in MRI Technology, in addition to the above criteria's, additional one-year certificate Course in Radiography from Sindh Medical Faculty is mandatory.

PARAMEDICAL PROGRAMS

Course Description

One year diploma program in Health care Assistant for male and female candidates is designed to provide the students with the knowledge and skills necessary to perform basic health care services. It prepares the students to function in the role of nurse assistant under the supervision of a staff nurse. Satisfactory completion of the course makes the students eligible for the diploma to practice as a nurse aide to provide basic health care to patients. Students must successfully complete specified hours of class room lectures, skill lab and clinical practice. Throughout this description the term nursing assistant and healthcare assistant is used interchangeably with nurse.

Nursing assistant can perform routine duties for caring patients. These duties might include bed making, bed bathing oral hygiene, taking vital signs, feeding, helping patients to transfer in and out of bed, maintaining safety and cleanliness in the patient's general surroundings. Hand washing is expected at all time in the clinical setting.

Anatomy and Physiology (08 Credit hours)

One year diploma program in Health Care Assistant for male and female candidates is designed to provide the students with the knowledge and skills necessary to perform basic health care services. It prepares the students to function in the role of nurse assistant under the supervision of a staff nurse. Satisfactory completion of the course makes the students eligible for the diploma to practice as a nurse aide to provide basic health care to patients. Students must successfully complete specified hours of class room lectures, skills lab and clinical practice. Throughout this description, the term Nursing Assistant and Health Care Assistant is used interchangeably with Nurse Aide.

This course introduces learners to the structures and functions of the human body, Knowledge of anatomy and physiology provides better understanding and integration to theoretical practices in nurse care situations.

Fundamentals of Nursing (10 Credit hours)

This course introduces the students to nursing as a professional discipline. It introduces basic concepts of nursing as a profession; define nursing and role of nurse in developing therapeutic relationship with clients using therapeutic communication techniques. It guides in identifying needs of clients using nursing process. Students learn nursing skills in the skills lab and apply in the clinical settings.

CLINICAL COURSE

Basic Skills (06 Credit hours)

The objective of basic skills teaching is to enable students to receive and pass an accurate written and verbal information regarding patients and related work.

Practical / Clinical Course Specialty Skills (12 Credit hours)

Students learn following specialized skills in their specialty areas. Knowledge application and hands on practice is provided by the nurse incharge and ward doctors in their assigned clinical placements

Course Objectives

Upon successful completion of this course the students will be able to:

1. Identify the role and responsibilities of a nurse aide.
2. understand the basic knowledge necessary in providing basic health care services.
3. Demonstrate skills essential in providing basic health care services.
4. Communicate accurately and appropriately in the role of a nurse aide.

FEE SCHEDULE OF MS/MPHIL DEGREE PROGRAMS
SESSION 2025-26

MS Business Administration				
M.Phil Bio Chemistry				
Period	Year 01		Year 02	
	1st Sem	2nd Sem	3rd Sem	4th Sem
Admission Fee	Rs 20,000			
Tuition Fee	Rs 90,000	Rs 90,000	Rs 90,000	Rs 90,000
University Fee	Rs 10,000			
Documents Verification Fee One Time	Rs 3,000			
Enrollment/Eligibility Fee One Time	Rs 5,000			
ID Card Fee	Rs 200		Rs 200	
Total	Rs 128,200	Rs 90,000	Rs 90,200	Rs 90,000

FEE SCHEDULE OF 5 YEARS DEGREE PROGRAMS

SESSION 2025-26

THE UNIVERSITY OF MODERN SCIENCES										
DOCTOR OF PHARMACY/DOCTOR OF PHYSICAL THERAPY										
Session 2026										
Period	Year 01		Year 02		Year 03		Year 04		Year 05	
	1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem	9th Sem	10th Sem
Admission Fee	50,000									
Tuition Fee Per Year	150,000	150,000	165,000	165,000	181,500	181,500	199,650	199,650	219,615	219,615
University Fee	25,000		25,000		25,000		25,000		25,000	
Security deposit	25,000									
Registration Council One Time	5,000									
Documents Verification Fee One Time	3,000									
Enrollment/Eligibility Fee One Time	5,000									
Student Activity	2,000		2,000		2,000		2,000		2,000	
Library Fee	1,000		1,000		1,000		1,000		1,000	
ID Card Fee	200		200		200		200		200	
Total	266,200	150,000	193,200	165,000	209,700	181,500	227,850	199,650	247,815	219,615

FEE SCHEDULE OF 4 YEARS DEGREE PROGRAMS SESSION 2025-26

THE UNIVERSITY OF MODERN SCIENCES								
BS - RADIOLOGY TECHNOLOGY/BS MEDICAL LABORATORY TECHNICIAN								
BS INFORMATION TECHNOLOGY/BACHELORS IN BUSINESS ADMINISTRATION								
BS - FORENSIC SCIENCE/ FORENSIC BIOLOGY								
BIO CHEMISTRY								
Session 2026								
Period	Year 01		Year 02		Year 03		Year 04	
	1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem	6th Sem	7th Sem	8th Sem
Admission Fee	20,000							
Tuition Fee Per Year	90,000	90,000	99,000	99,000	108,900	108,900	119,790	119,790
University Fee	25,000		25,000		25,000		25,000	
Security deposit	25,000							
Registration Council One Time	5,000							
Documents Verification Fee One Time	3,000							
Enrollment/Eligibility Fee One Time	5,000							
Student Activity	2,000		2,000		2,000		2,000	
Library Fee	1,000		1,000		1,000		1,000	
ID Card Fee	200		200		200		200	
Total	176,200	90,000	127,200	99,000	137,100	108,900	147,990	119,790

FEE SCHEDULE OF 4 YEARS GENRIC BSN DEGREE PROGRAM SESSION 2025-26

GSBN 04 YEARS	Year 1		Year 2		Year 3		Year 4	
	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester
	PKR	PKR	PKR	PKR				PKR
Prospectus and Application Fee	Rs 5,000							
Admission Fee	Rs 30,000							
Semester Fee	Rs 108,000	Rs 108,000	Rs 120,000	Rs 120,000	Rs 132,000	Rs 132,000	Rs 140,000	Rs 140,000
University Fee	Rs 25,000							
Medical Examination Fee	Rs 5,000							
Security Deposit - Refundable	Rs 5,000							
University Registration Fee	Rs 1,500							
Pre Registration PNC	Rs 1,500							
Library Fee	Rs 1,000							
ID Card Fee	Rs 200		Rs 1,000		Rs 1,000		Rs 1,000	
			Rs 200		Rs 200		Rs 200	
Total	Rs 182,200	Rs 108,000	Rs 121,200	Rs 120,000	Rs 133,200	Rs 132,000	Rs 141,200	Rs 140,000

FEE SCHEDULE OF 2 YEARS POST RN BSN PROGRAM SESSION 2025-26

Post RN BScN 02 YEAR	Year 1		Year 2	
	1st Semester	2nd Semester	3rd Semester	4th Semester
	PKR	PKR	PKR	PKR
Prospectus and Application Fee	Rs 5,000			
Admission Fee	Rs 30,000			
Semester Fee	Rs 96,000	Rs 96,000	Rs 108,000	Rs 108,000
University Fee	Rs 25,000			
Medical Examination Fee	Rs 5,000			
Security Deposit - Refundable	Rs 5,000			
University Registration Fee	Rs 1,500			
Pre Registration PNC	Rs 1,500			
Library Fee	Rs 1,000		Rs 1,000	
ID Card Fee	Rs 200		Rs 200	
Total	Rs 170,200	Rs 96,000	Rs 109,200	Rs 108,000

**FEE SCHEDULE OF 1 YEAR ICU DIPLOMA PROGRAM
SESSION 2025-26**

ICU - 01 YEAR	Year 1
	PKR
Form Fee	Rs 1,500
Admission Fee	Rs 15,000
Tuition Fee	Rs 74,000
Medical Examination Fee	Rs 3,000
Pre Enrollment Nursing Board	Rs 1,500
Pre Registration PNC	Rs 1,500
Examination Fee	Rs 3,500
Library Fee	Rs 1,000
ID Card Fee	Rs 200
Total	Rs 101,200

CODE OF CONDUCT

1. Students should refrain from conduct that might damage the reputation of the University. They must also avoid any conduct that may lead to the disruption of any academic program /activity of the Campus.
2. Students will show tolerance, understanding, and respect for the rights of others. in case of any misunderstanding with peers or university management, etc. discussions and exchange of views within the framework of decency and decorum would be the desirable course to follow. Threatening behavior to fellow students. faculty, staff. or the university as an institution could cause irrevocable dismissal from the University.
3. Students will be respectful to members of the opposite gender and v/ill refrain from any behavior that can be interpreted by others as 'gender harassment'.
4. Students are strictly reminded that gender mixing is permissible only within the accepted social and cultural norms of the society. Faculty tolerance should not be construed as an approval to undue intimacy or unacceptable proximity. openly or in isolated areas. Girls and boys are not allowed to sit next to each other in the classrooms labs, and library or outside.
5. It is the responsibility of all to keep the Campus environment clean and tidy. Therefore, no littering or trash should be carelessly thrown or left on the Campus premises. The designated waste bins should be used for the purpose.
6. The students are advised to refrain from any damage to the University fixtures / furniture including Venetian blinds, scribbling/carving on desks, writing on walls and misusing lab equipment. etc.
7. Smoking is not allowed on campuses. Anyone found smoking has to pay a fine.
8. Students are advised to switch off mobiles in classrooms. examination halls, labs and library so as not to disrupt the calm of the said places.
9. Students are advised to strictly follow the code of conduct on the field and off the field while taking part in sports and other extra curricular activities. Students are expected to exhibit exemplary behavior, especially while representing the university in an activity/competition.
10. Matters of indiscipline would be referred to the Campus Disciplinary Committee, which is authorized to reprimand or check any indiscipline. Parents of students who disobey authority and violate the code of conduct will be called to the university. Disciplinary Committee may suggest action to be taken for breaching code of conduct by the student.
11. Students must refrain from cheating, plagiarism, lying, stealing, and gender harassment, in any setting of the Campus. .

Dress Code

The students of the University are expected to dress keeping in view the local cultural values.

- a. The students are not allowed to wear shorts or sleeveless shirts. The dress should not have any scripts or images, which appear to be provocative or indecent.
- b. The students should not wear tight or see through clothes.
- c. The students are not expected to put on heavy make up or expensive jewelry.
- d. Clothes with photograph of any celebrity/political personality/or with unethical printed words are strictly not allowed.
- e. Clothes should not pretend any influence towards any political or religious party.

1ST CONVOCATION OF INDUS COLLEGE OF NURSING, A GRAND SUCCESS!

The University of Modern Sciences, Tando Muhammad Khan, proudly hosted its **1st Convocation of Indus College of Nursing at Qazi Mazhar Hussain Auditorium**. It was a momentous occasion as **58 nursing graduates** received their degrees in the presence of distinguished guests and proud families.



The **Academic Procession** at the **1st Convocation of Indus College of Nursing, University of Modern Sciences** was led by esteemed dignitaries whose presence made the event truly remarkable:

- Bilal Ahmed Memon – Commissioner Hyderabad Division & Chief Guest
- Professor Dr. Jan Muhammad A. Memon – Patron-in-Chief, PAPL & Guest of Honor
- Dr. Muhammad Iqbal Memon – Chancellor
- Professor Dr. Feroz Memon – Vice-Chancellor
- Qazi Faiz Muhammad Talal – Pro Vice-Chancellor
- Eng. Qamar Zaman Memon – Rector
- Mr. Mushtaq Ally Qureshi – Registrar
- Nawaz Ali G. Bhutto – Controller of Examinations



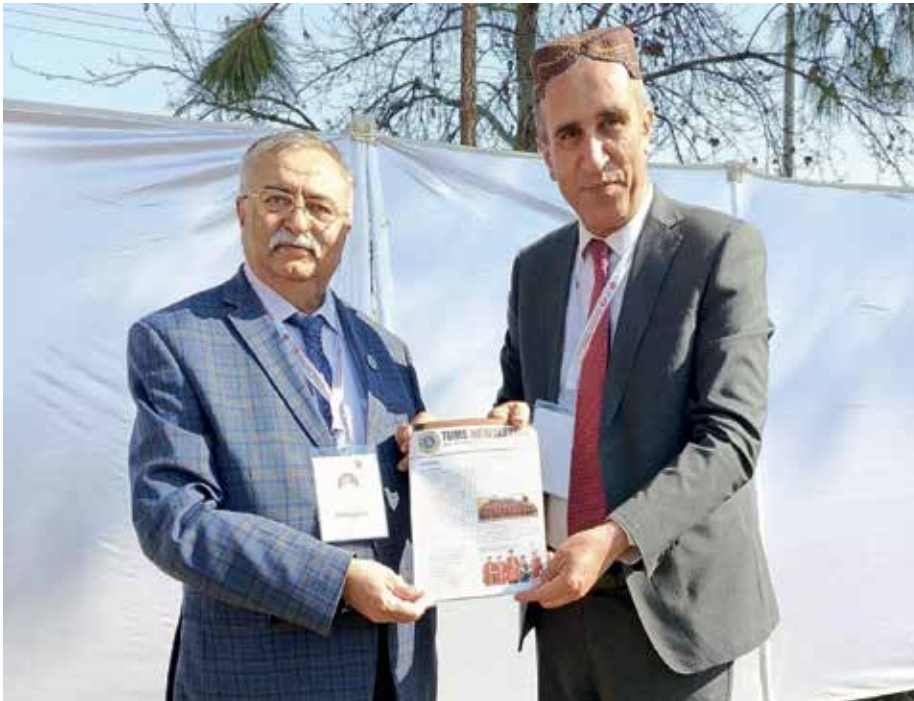
STEP INTO YOUR FUTURE: TUMS ENTRANCE TEST 2025

The entry test for admissions in various departments of The University of Modern Sciences was successfully conducted. This year, the test was **Computer-based at our state-of-the-art Multi-Resource IT Lab**, ensuring a smooth, efficient, and modern examination experience for all participants.



TUMS ENGAGES WITH INTERNATIONAL DELEGATES AT THE 5TH RECTOR'S CONFERENCE 2024

Dr. Muhammad Iqbal Memon, Chancellor of The University of Modern Sciences (**TUMS**), met with international delegations from various countries during the 5th Rector's Conference 2024, held on **January 22-23, 2025**, at **Serena Hotel and HEC Auditorium, Islamabad**.



During these interactions, **Dr. Iqbal Memon** shared the **vision and mission of TUMS**, highlighting its efforts to provide **quality education** and promote **socio-economic development** in rural Sindh. He also showcased the university's success stories and presented the latest edition of the TUMS Newsletter, featuring its recent achievements and milestones.

The **foreign delegates showed keen interest** in collaborating with TUMS in areas such as **academia, research, and community development**, paving the way for exciting new partnerships. TUMS remains committed to expanding its global footprint and fostering meaningful academic collaborations.



MOU SIGNING CEREMONY BETWEEN TUMS AND PIHS

On January 23, 2025, The University of Modern Sciences (TUMS), Tando Muhammad Khan, and Prime Institute of Health Sciences (PIHS), Islamabad signed a Memorandum of Understanding (MoU).

The MoU was signed by **Dr. Muhammad Iqbal Memon, Chancellor of TUMS**, and **Dr. Abdul Wajid, Chairman of PIHS**.

Also present were **Mr. Mohammad Nabeel Khan (Director QEC, TUMS)** and **Dr. Abdul Basit (Director, PIHS)**.

This partnership aims to improve health sciences education and research. Both institutes will work together to support students, teachers, and the community.



A JOURNEY BEGINS: ORIENTATION DAY 2025 OBSERVED AT TUMS & INDUS MEDICAL COLLEGE

A warm welcome to our new students! Under the leadership of **Chancellor Dr. Muhammad Iqbal Memon**, **Vice-Chancellor Prof. Dr. Feroz Memon**, and our esteemed **Patron-in-Chief Prof. Dr. Jan Muhammad A. Memon**, the Orientation Day was a memorable start to a new academic journey.



Guest of Honor was Mr. Shahzaib Shaikh, Deputy Commissioner TMK, also graced the event.

We congratulate all students beginning this new chapter - your path to knowledge, professionalism, and excellence starts now!



FACULTY DEVELOPMENT PROGRAM HELD AT THE UNIVERSITY OF MODERN SCIENCES-TUMS

A comprehensive **Faculty Development Program** was successfully conducted under the leadership of **Professor Dr. Inayatullah Memon**, Head of the Department of Medical Education.



The session focused on enhancing teaching strategies, assessment methods, and academic professionalism. Faculty members actively participated and appreciated the valuable insights shared during the training. Such initiatives aim to promote a culture of continuous learning, quality teaching, and educational excellence across all departments.



TUMS STUDENTS CONDEMN INDIA'S SUSPENSION OF INDUS WATERS TREATY

The students of **The University of Modern Sciences – TUMS** strongly **condemn India's unilateral decision** to suspend the **Indus Waters Treaty** — a move that blatantly violates international law and jeopardizes **regional peace and cooperation**.



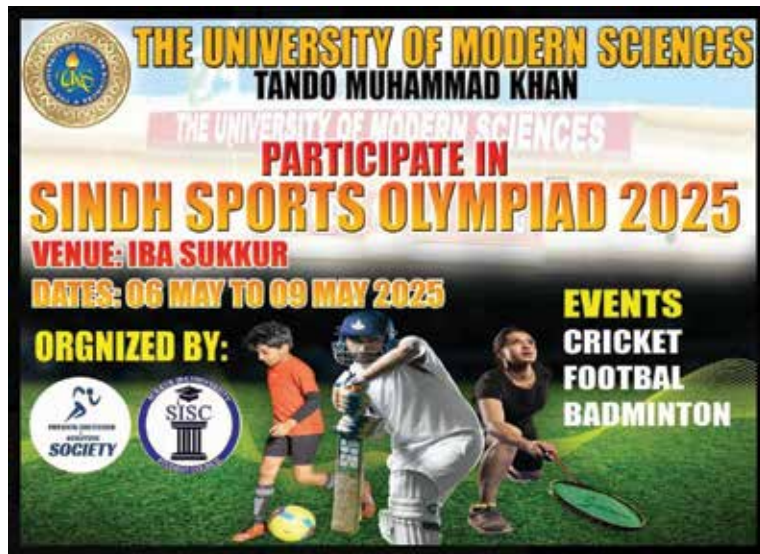
For decades, this treaty has served as a symbol of shared responsibility and diplomatic balance between Pakistan and India. Any attempt to politicize access to water — a **fundamental human right** — is deeply concerning and unacceptable.

We urge the international community to take notice and stand against this injustice.

We stand with Pakistan — for peace, fairness, and justice.

TUMS STUDENTS PARTICIPATED AT SINDH SPORTS OLYMPIAD 2025

The University of Modern Sciences–TUMS is proudly participating in the **Sindh Sports Olympiad 2025 at IBA Sukkur from 6–9 May**. With the support of **Chancellor Dr. Muhammad Iqbal Memon** and **Vice Chancellor Prof. Dr. Feroz Memon**, TUMS athletes are competing in **Cricket, Football, Chess, and Badminton**.



Special thanks to **Mr. Ghous Nawaz (Manager Sports)**, **Mr. Muzammil Talpur (Trainer)**, and **Mr. Mustuaan Ahmed Memon (Director Sports)** for their leadership and dedication.



TUMS STRONGLY CONDEMNS ACTS OF WAR AND AGGRESSION BY INDIA

Under the leadership of **Dr. Muhammad Iqbal Memon** (Chief Executive & Chancellor) and **Prof. Dr. Feroz Memon** (Vice Chancellor), **The University of Modern Sciences–TUMS** held a **peaceful protest** to denounce the ongoing acts of war and aggression by the Indian government under Prime Minister Narendra Modi.



As an institution dedicated to **education, peace, and humanity**, **TUMS** strongly condemns violence in any form. War brings only destruction and suffering. We urge the international community to uphold **justice, peace, and human rights**.



YOUM-E-TASHAKKUR CELEBRATION AT TUMS & INDUS MEDICAL COLLEGE

The University of Modern Sciences–TUMS and Indus Medical College held a **Youm-e-Tashakkur Celebration** to honor the success of **Operation Bunyan-un-Marsoos**. The event gathered district officials, law enforcement, media, faculty, students, and community leaders.



The program began with Qari Arshad Hashmi's recitation and the National Anthem by Akash Band, followed by patriotic songs.



Prof. Dr. Feroz Memon, Vice Chancellor, welcomed the guests. **Pir Aqib Jan Sarhandi, DSP Mujahid Baloch, Dr. Muhammad Ali (Former PMA President), Adv. Nadeem Qureshi (District Bar), and Mr. Abdul Kareem Shaikh (Press)** praised the operation's success and the university's role. Students **Muskan Daniyal (BS Radiology)** and **Muhammad Shoaib (MBBS)** spoke in support of the **Pakistan Armed Forces**.



A cake-cutting, flag hoisting, and concluding address by Dr. Muhammad Iqbal Memon, Chancellor & CEO, reaffirmed the institution's commitment to unity, healthcare, and education.



EID GALA 2025: SHARING THE JOY OF CELEBRATION TOGETHER!

The University of Modern Sciences celebrated a vibrant and joyous **Eid Gala**, bringing together students, faculty, staff, and their families. The event was filled with delightful cultural performances, including music, poetry, and traditional dances. Participants enjoyed delicious Eid delicacies, fun-filled activities, and engaging interactive sessions, highlighting the spirit of unity, friendship, and togetherness. The Gala provided a wonderful opportunity for everyone to reconnect, unwind, and create lasting memories, truly embodying the essence of Eid celebrations.





Cheating Encompasses the following:

- a. The willful giving or receiving of an unauthorized, unfair, dishonest or unscrupulous advantage in academic work over other students.
- b. The above may be accomplished by any means whatsoever, including but not limited to the following: fraud; duress; deception; theft, trick; talking; signs; gestures; copying from another student; and the unauthorized use of study aids. memoranda, books, data, or other information.
- c. Attempted cheating.
- d. Calling proxy attendance.

Plagiarism encompasses the following:

- a. Presenting as one's own the words, the work. or the opinions of someone else without proper acknowledgment. This includes material published on the Internet)
- b. Borrowing the sequence of ideas, the arrangement of material or the pattern of thought of someone else without proper acknowledgment.

Stealing encompasses the following:

Taking or appropriating without the permission to do so, and with the intent to keep or to wrongfully use the property belonging to any member of the campus or any property located on the university campus. This includes but is not limited to misuse of university computer and other lab resources.

Lying encompasses the following:

Willful and knowledgeable telling of an untruth, as well as any form of deceit attempted deceit, or fraud in an oral or written statement relating to academic work This includes but is not limited to:

- a. Lying to administration and faculty members
- b. Falsifying any university document by mutilation, addition, or deletion.
- c. Lying to Discipline Committee members and advisors during investigation and hearing. This may constitute a second charge, with the committee members who acted as judges during that specific hearing acting as accusers.

Gender harassment apart from others includes

- a. Interference into a student's right to learn, study, work achieve, or participate in the Campus activities in a comfortable and supportive atmosphere.
- b. Impolite or indecent comments, signs, gestures or looks and facial expressions
- c. Spreading inappropriate rumors about any student
- d. Attempts at starting personal conversation or taking undue liberty
- e. Advances to harass, coerce, intimidate others

AFFIDAVIT

I _____ S/O, DO _____

Muslim/Non Muslim adult R/o _____

a candidate for admission in 1st year _____ for academic session 2025-26 do hereby state on solemn affirmation / oath as under.

1. That If, I am allowed admission in _____ on merit seat of District _____, or otherwise against reserved seat under Self-finance or overseas on the basis of Domicile PRC, I shall not seek admission in any other Public / Private Sector Medical or Dental College / University or any other Degree College / University of the Country against any seat of other District.
2. That, all documents submitted by me along with application form are genuine and correct and no false document has been submitted. If any document / information are found to be false, incorrect or otherwise I know that my admission is liable to be cancelled.
3. For wasting precious seat of District Merit else I will not be entitled to issuance of any certificate from the Institution, That, after my Final selection/ Provisional Admission on Merit Self Finances/ Overseas category in five/ four years Degree Program of _____ I shall complete the Course/ Degree Program containing _____ semesters. However, in case, I leave the University of Modern Sciences, TMK before completion of the Course, I shall be liable to penalty of Rs.100,000/- (Rupees one Hundred Thousand / One Lac only) payable through Pay Order / Demand Draft in favour to _____, TUMS TMK.
4. That I also undertake not to involve myself in any kind of Political Activity throughout tenure in this university as a student and incase I am found involved in such activities the authority of the College / University shall be at liberty to expel rusticate me and to cancel my admission.
5. That. I also state that I have gone through all the rules, terms and conditions of the admission's, studies and declare that my priority of choice for Degree / Course is indicated in the Application Form.
6. That whatever is stated above is true and correct to the best of my knowledge and belief.

Signature of the Deponent

C.N.I.C. No. _____

The deponent named above is identified by me to the Commissioner for taking affidavit.

ADVOCATE

solemnly affirmed on oath this day _____ of _____ 202_ at _____ by deponent named above who is identified to me by Mr./ Ms. _____ Advocate whom I know. The contents were first truly and audibly read over and explained to the deponent in _____ language who appears to have understood the same and put his/ her signature in my presence.

That I am a holder of P.R.C of District _____ in Sindh, which was issued on the basis of Domicile of District _____ issued to me / my father / mother, and I have no other PRC / Domicile of any other District in Sindh.

UNDERTAKING BY PARENTS / GUARDIANS

(TO BE TYPED ON STAMP PAPER OF RS. 100)

I, _____ Parent / Guardian of _____ do hereby undertake and assure that my Son/ Daughter/ Sister/ Brother/ wife Ward will not join any political actively directly of indirectly throughout his/her career as student of Doctor of Physiotherapy Course.

I also understand that if my Son/ Daughter/ Sister/ Brother/ Wife/ Ward found involved in any political activity prejudice to moral character, I shall have no objection to his/ her prior examination rustication from the College / University, TMK. I also undertake further that after final Selection/ Provisional Admission in _____ course of my Son/ Daughter/ Sister/ Brother/ Wife/ Ward at the College/University, he / she will not be entitled to issuance of any certihcate from the College / University under the admission category of District Merit, Self-Finance and overseas Course of _____. However in case my Son/ Daughter/ Sister/ Brother/ Wife/ Ward leave/discontinues College/ University before completion of the Course. He/ She shall be liable to penalty of Rs. 100,000/- (Rupees One Hundred Thousand / One Lac) only payable through pay order/ Demand Draft to _____.

Signature of Parent / Guardian

C.N.I.C. No. _____

Full Address: _____

Contact No: _____

ATTESTATION BY JUDICIAL MAGISTRATE WITH ROUND STAMP / SEAL



THE UNIVERSITY OF MODERN SCIENCES



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Call: (+92)22 3409562 & 67, Email: info@ums.edu.pk

Website: <https://ums.edu.pk/>