



PHYSIOTHERAPY



PHARMACY



NURSING



MOLECULAR BIOLOGY & GENETICS



TECHNOLOGY DEGREE & DIPLOMA



ENDOSCOPY



UNDERGRADUATE PROSPECTUS

ACADEMIC SESSION 2022- 23

BS [DEGREE & DIPLOMA PROGRAMMES]

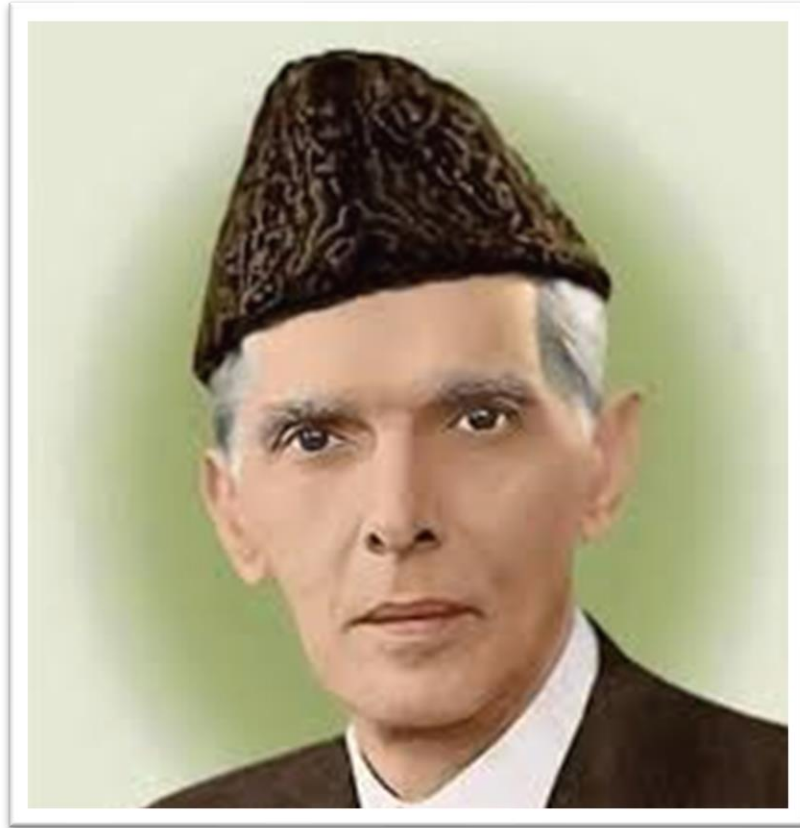
- Physiotherapy
- Pharmacy
- Nursing
- Technology Degree & Diploma Programmes
- Molecular Biology & Genetics
- Endoscopy Technician

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QUAID E AZAM MUHAMMAD ALI JINNAH



With faith, discipline and selfless devotion to duty, there is nothing worthwhile that you cannot achieve.



Message of Vice Chancellor

It is great pleasure to see our new generation seeking for higher education. Liaquat University of Medical and Health Sciences, has a long history of welcoming new students from all the corners of the country and also abroad. After its inception as a medical college in 1956 it has made tremendous contribution in the medical profession. In the recent decade the need for allied discipline has grown with emergent job market at national and international level, Liaquat University of Medical & Health Sciences, has introduced a number of allied disciplines including BS and diploma programs in genetics, Medical technology, biomedical engineering, physiotherapy, Pharmacy, BS. Nursing and the list is continue to expand.

The programs offered at Liaquat University of Medical and Health Sciences, not only have modern curriculum up to the International standards, but also have great emphasis on the personal growth as a professional. The university also provides opportunity to our students for International exposure at our collaborating universities in United Kingdom, United States of America, China, Turkey and Azerbaijan. This gives them exposure of multicultural societies, and also help them in making decision for their future career planning. Each student in our University is taken as an individual with different needs of teaching methods. Therefore, we have multiple modes of teaching methods which provide equal opportunity of all students and facilitate them in their academic progression.

Being head of the Institute I feel myself responsible to provide the best possible teaching environment to all our students with best faculty, curricula and facilities. I feel deep concern about career development of our student so we take global and national job market into consideration and prepare all our pupils accordingly.

I wish my aspiring students all the best with a promise to provide them all the possible opportunities for their career development.

Prof. Dr. Ikram Din Ujjan

Vice Chancellor

LUMHS, Jamshoro

UNDERGRADUATE PROGRAMS

DEGREE PROGRAMES

1. Doctor of Physiotherapy (DPT) (Five Years)
2. Doctor of Pharmacy (Pharm-D) (Five Years)
3. Bio-Medical Engineering (Four Years)
4. BS Nursing (Four Years)
5. BS Radiologic Technology (BSRT) (Four Years)
6. BS Medical Laboratory Technology (BSMLT) (Four Years)
7. BS Forensic Science in Forensic Biology (BSFB) (Four Years)
8. BS Forensic Science in Forensic Chemistry & Toxicology (BSFC&T) (Four Years)
9. BS Molecular Biology & Genetics (Four years)
10. Associate of Applied Sciences in Radiologic Technology (AASRT) (Two Years)

DIPLOMA PROGRAMS:

- | | |
|---|----------------------|
| 1. Diploma in CT Technology | (One Year Duration) |
| 2. Diploma in MRI Technology | (One Year Duration) |
| 3. Diploma in Blood Banking and Transfusion | (One Year Duration) |
| 4. Diploma in Ophthalmic Technician | (Two Years Duration) |
| 5. Diploma in Dental Technician | (Two Years Duration) |
| 6. Diploma in Refractionist | (Two Years Duration) |
| 7. Diploma in Endoscopy Technician | (Two Years Duration) |

INSTITUTE OF PHYSIOTHERAPY & REHABILITATION SCIENCES LUMHS JAMSHORO



INTRODUCTION

The Institute of Physiotherapy & Rehabilitation Sciences, LUMHS, Jamshoro has started Bachelor of Science in Physiotherapy (B.S. Physiotherapy) Degree Program during the tenure of Prof. Dr. Noshad A. Shaikh, Vice Chancellor, Liaquat University of Medical & Health Sciences, Jamshoro. This Institute is the first ever Public Sector Institute of Sindh Province offered B.S. Physiotherapy Degree Program, before this, Jinnah Postgraduate Medical Center (JPMC), Karachi was running under Federal Government of Pakistan.

The numbers of graduates from Private Institutes were rather low and the poor patients of whole Province in general & rural Sindh in particular could not have the facilities of Physiotherapy treatment. Moreover, the young blood did not have the easy & economical excess to improve their education & training. Hence there was dire need of establishing the Institute of Physiotherapy to impart quality medical education dealing with Physiotherapy by this relieves pain and re-gain strength after serious injuries, illness and surgery.

The B.S. Physiotherapy (BSPT) four (04) years degree program announced first time at this Institute during the year 2009 and same program was offered up to the year 2011, then Doctor of Physiotherapy (DPT) five (05) years degree program started at Institute of Physiotherapy from the year 2012.

This Institute is equipped with modern and state art facilities i.e. Air-Conditioner Labs, Lecture Halls, Reading & Lending Library, Out Patient Department 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 Liaquat University Hospital Jamshoro & Hyderabad.

In order to keep improve & update the knowledge of Faculty of IPRS & Staff of OPD, organizing/ conducting Continuous Medical Education (CME) and Continuous Professional Development (CPD) & Workshops. There has been a change in the teaching & 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 Physiotherapy (DPT). The LUMHS nevertheless is not left behind & is the first Public Sector Institute of Sindh Province to start the Doctor of Physiotherapy (DPT) five years degree program.

**ADMINISTRATIVE & ACADEMIC SUPPORT OF
INSTITUTE OF PHYSIOTHERAPY & REHABILITATION SCIENCES**

ADMINISTRATIVE SUPPORT		
S. NO.	ADMINISTRATIVE/ SUPPORTING STAFF	DESIGNATION
01	Dr. Asif Gulzar Shaikh	Additional Director
02	Dr. Khurram-ullah Shaikh	Working as Additional Director
03	Mr. Abdul Ghafoor Sial	Administrative Officer
04	Mr. Niaz Ahmed Daudani	Assistant Librarian
05	Mr. Muhammad Shahid	Assistant
06	Mr. Muhammad Yasir Abbasi	Assistant Librarian
07	Mr. Muhammad Muqeem	Computer Operator
08	Mr. Altaf Ahmed Larik	Senior Clerk
09	Mr. Shahmir Mallah	Junior Clerk
10	Mr. Bashir Ahmed Memon	Store Keeper
ACADEMIC SUPPORT		
S. No.	TEACHING FACULTY	DESIGNATION
01	Mr. Sikandar Ali Sangrasi	Assistant Professor
02	Syed Faizan Ali	Lecturer
03	Ms. Wajeeha Sahre	Lecturer
04	Ms. Pinky	Lecturer
05	Mr. Ashok Kumar	Lecturer
06	Ms. Ghazala Langah	Lecturer
07	Mr. Satish Kumar	Lecturer

COURSE CURRICULUM
DOCTOR OF PHYSIOTHERAPY
SCHEME OF STUDIES FOR 5-YEARS DPT PROGRAM

SEMESTER / YEAR	NAME OF SUBJECT	CREDITS
FIRST PROFESSIONAL YEAR		
FIRST	Anatomy-I	4(3-1)
	Physiology-I	3(2-1)
	Kinesiology-I	3(2-1)
	English (Functional English)	3(3-0)
	Pakistan Studies	2(2-0)
	Biostatistics-I	3(3-0)
		18
SECOND	Anatomy-II	4(3-1)
	Physiology-II	3(2-1)
	Kinesiology-II	3(2-1)
	English-II (Communication Skills)	3(3-0)
	Islamic Studies / Ethics	2(2-0)
	Biostatistics-II / University Optional	3(3-0)
		18
SECOND PROFESSIONAL YEAR		
THIRD	English-III (Technical Writing & Presentation Skills)	3(3-0)
	Introduction to Computer	3(2-1)
	Anatomy-III	3(2-1)
	Physiology-III	3(2-1)
	Biomechanics & Ergonomics-I	3(3-0)
	Biochemistry & Genetics-I	2(2-0)
		17
FOUR	Anatomy-IV (Neuro-Anatomy)	3(2-1)
	Biomechanics & Ergonomics-II	3(2-1)
	Behavioral Sciences (Psychiatry & Psychology)	3(3-0)
	Biochemistry & Genetics-II	2(2-0)
	Exercise Physiology	3(3-0)
	Medical Physics	3(2-1)
		17
THIRD PROFESSIONAL YEAR		
FIFTH	Pathology & Microbiology-I	2(2-0)
	Pharmacology-I	3(3-0)
	Physical Agents & Electrotherapy-I	3(2-1)
	Therapeutic Exercise & Techniques	3(2-1)
	Sociology	2(2-0)
	Health & Wellness	2(2-0)
	Supervised Clinical Practice-I	3(0-3)
		18

SIXTH	Pathology & Microbiology-II	3(2-1)
	Pharmacology-II	2(2-0)
	Physical Agents & Electrotherapy-II	3(2-1)
	Manual Therapy	3(2-1)
	Teaching Methodology & Community Medicine	3(3-0)
	Supervised Clinical Practice-II	3(0-3)
		17
FOURTH PROFESSIONAL YEAR		
SEVENTH	Medicine-I	3(3-0)
	Surgery-I	3(3-0)
	Radiology & Diagnostic Imaging	3(2-1)
	Musculoskeletal Physical Therapy	3(2-1)
	Human Growth Development & Community Based Rehabilitation	2(2-0)
	Supervised Clinical Practice-III	3(0-3)
		17
EIGHT	Medicine-II	3(3-0)
	Surgery-II	3(3-0)
	Neurological Physical Therapy	3(2-1)
	Evidence Based Practice	3(2-1)
	Prosthetics & Orthotics	2(2-0)
	Supervised Clinical Practice-IV	3(0-3)
		17
FIFTH PROFESSIONAL YEAR		
NINTH	Cardiopulmonary Physical Therapy	3(2-1)
	Emergency Procedure & Primary Care in Physical Therapy	2(2-0)
	Clinical Decision Making & Differential Diagnosis	3(3-0)
	Scientific Inquiry & Research Methodology	3(2-1)
	Professional Practice (Laws, Ethics & Administration)	2(2-0)
	Integumentary Physical Therapy	2(2-0)
	Supervised Clinical Practice-V	3(0-3)
		18
TENTH	Obstetrics & Gynecological Physical Therapy	2(2-0)
	Pediatric Physical Therapy	2(2-0)
	Gerontology & Geriatric Physical Therapy	2(2-0)
	Sports Physical Therapy	2(2-0)
	Supervised Clinical Practice-VI	4(0-4)
	Research Project	6
		18
	Total Credits	175

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.
- ▲ **Practical/ Lab:** One Credit Hour shall be equal to two hours of lab work per week throughout the semester.
- ▲ **Clinical:** One Credit Hour shall be equal to three hours of clinical work per week throughout the semester.
- ▲ **Research:** One Credit Hour shall be equal to three hours of research 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 Liaquat University of Medical & Health Sciences. They will be paid monthly stipend after successfully 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)
- **Semester Examination**
 - SBQs_____50
 - SEQs_____30
 - Attendance _____10
 - Internal Evaluation_____10
 - Viva Voce/ Practical_____100

RULES OF EXAMINATIONS:

- (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/ Institute of Physiotherapy 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 **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 2nd 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 1st 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
- d) Failed in both the Semesters.

Students under category **B, C & D** will then be allowed re-sit examinations of **1st & 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 IPRS, LUMHS.

NOTE: This system applies to all the semesters in all the five years.

**REGULATIONS RELATING TO
DISCIPLINE, CONDUCT, WELFARE AND CODE OF HONOUR
FOR THE STUDENTS OF THE UNIVERSITY.**

I. SHORT TITLE:

These regulations may be called the Liaquat University of Medical & Health Sciences (Students Discipline, Conduct, Welfare and Code of Honour) Regulation 2008.

II. DATE OF COMMENCEMENT:

- a) These Regulations shall come into force with immediate effect.
- b) These Regulations shall apply to the students of Liaquat University of Medical & Health Sciences, Jamshoro.

III. DEFINITIONS:

- a) **“Chairman”** mean Chairman of the teaching Department of the University.
- b) **“Dean of Faculty”** mean Dean of the relevant Faculty of the University.
- c) **“Director Academics”** mean an officer appointed by the University/Vice-Chancellor as a Director Academics.
- d) **“Disciplinary Committee”** means the Committee established under statues-11 of the 1st statues of the Liaquat University of Medical & Health Sciences, Jamshoro.
- e) **“Director Students Affairs”** mean an officer appointed by the University/Vice-Chancellor as a Director Students Affairs.
- f) **“Incharge Sports”** means an Officer appointed by the University/ Vice-Chancellor as an Incharge Sports.
- g) **“Provost”** means an Officer appointed by the University/ Vice-Chancellor as a Provost.
- h) **“University”** means the Liaquat University of Medical & Health Sciences, Jamshoro.
- i) **“Vice-Chancellor”** meant the Vice-Chancellor of Liaquat University of Medical & Health Sciences, Jamshoro.
- j) **“Warden”** means an officer appointed by the University/ Vice Chancellor as a Warden for a Hostel.

IV. GENERAL DISCIPLINE AND CODE OF HONOUR:

EVERY STUDENT INCLUDING STUDENTS RESIDING IN HOSTELS SHALL OBSERVE THE FOLLOWING CODE OF HONOUR:

- a) Respect for order, morality, personal honour and rights of others.
- b) He/ She must be faithful in his / her religion, duties and respect the convictions of others in matters of religion and custom.
- c) He/ She must be loyal to his / her country and refrain from doing anything which tends to lower its honour and prestige.
- d) He/ She shall be truthful and honest in his / her dealings with all people.
- e) He/ She must respect the elders and be polite to all, especially to women, children, old people, the weak and the helpless.
- f) He/ She must respect his / her teachers, officers, and authorities of the University.
- g) He/ She must keep clean in body and mind, standing for clean speech, clean sports and clean habits.
- h) He/ She shall help his / her fellow beings especially those in distress.
- i) He/ She must devote him / herself faithfully to his / her studies.
- j) He/ She must observe austerity and protect public property.

V. ACTS OF INDISCIPLINE:

THE FOLLOWING AMONG OTHERS, SHALL CONSTITUTE ACTS OF INDISCIPLINE, FOR WHICH ACTIONS MAY BE TAKEN AGAINST:

- a) Breach of Public morals, such as:
 - a. Use of Indecent or Filthy Language.
 - b. Use of Immodest Dress.
 - c. Use of Undesirable remarks or Gestures.
 - d. Disorderly behavior, such as shouting, abusing, quarrelling, fighting and insolence.
- b) Defiance of any University Authority.
- c) False personification or giving false information or willful suppression of facts, information, cheating or deceiving.
- d) Visiting places declared 'out of bounds' for students.
- e) Visiting without a Pass, places which are not to be visited without a Pass issued by an Officer or Authority of the University entrusted for the purpose.
- f) Inciting or staging a walkout, strike or an unauthorized procession in the University Campus/ Hostels/ Examination Hall/ (s).
- g) Shouting of slogans derogatory to the prestige of the University or the reputation of its officers or teachers.
- h) Consumption of Alcoholic Liquor, Drugs or other Intoxicants within or outside the University Campus.
- i) Violation of known standards of immorality.
- j) Actions/ Comments defamatory of or derogatory to Islam.
- k) Smoking in a Class Room, Laboratory, Workshop, Library, Examination Hall, and Convocation Hall or during Academic functions.
- l) Organize or take part in any function with the University Campus or a Hall of residence or organize any club or society of students except in accordance with prescribed rules and regulations.
- m) Collect money or receive donation/ (s) or pecuniary assistance for or on behalf of the University or any University organization except with the written permission of the Vice-Chancellor.
- n) Neglect his/ her work habitually or absents from class/ (s) without reasonable cause or permission or the relevant officer of the University.
- o) Damage the University property or the property of a fellow student or teacher or employee of the University.
- p) Do not pay fees, fines or other dues levied, within due time, under the University Statutes and Regulations.
- q) Do not comply with the Regulations relating to residence in the Hostels or Hall of residence or the Regulations relating to the wearing of prescribed Uniform or Academic Dress.
- r) Commit criminal, immoral or dishonorable act within or outside the University Campus prejudicial to the interest and reputation of the University.

VI. OFFICIAL RESPONSIBLE FOR THE MAINTENANCE OF DISCIPLINE:

Members of the teaching Staff, Director Academics and Director Students Affairs in general and Provost, Warden and the Incharge of Sports of the University shall be responsible for maintenance of order among the students, while under their charge and disorderly behavior must be dealt with promptly.

VII. PENALTIES:

Punishment or penalty for any of the offence mentioned under the preceding Regulations shall be awarded according to gravity of the case, and may be any one or more of the following:

- a) Record an adverse remark in the Black Book maintained by the Chairman/ Provost.
- b) Fine which may amount to a maximum of **Rs. 1000/-**.
- c) Expulsion from Class, Hall for a specified period not exceeding six months.
- d) Detention from Examinations.
- e) Cancellation of examination results or with-drawal of a Certificate granted.
- f) Withdrawal of concession of free/ half-free / cancellation of Scholarship granted by the University and;
- g) Expulsion or rustication from the University for a specified period or permanently. Provided that no punishment shall be imposed without giving an opportunity to the students concerned to Show Cause and a chance to hear and defend him / her, if he / she, so desires.

VIII. COMPETENT AUTHORITIES TO IMPOSE PENALTIES:

The authority to impose punishment or penalty shall be exercised by the officers to the extent given below and shall be recorded in the Enrollment Register maintained by the Registrar of the University.

1) THE VICE-CHANCELLOR MAY:

- a) Fine a student up to **Rs. 5000/-** for each offence and deprive him / her privileges and positions open to students;
- b) Detain a student from appearing in a University Examination;
- c) Cancel the admission of a student or refuse to admit a student without giving any reason;
- d) Direct a Principal / Director / Incharge to cancel the admission or not to admit a student;
- e) Cancellation of University Scholarship; and
- f) Expel or rusticate a student for a specified period or for good.

2) THE DEAN OF A FACULTY MAY:

- a) Fine a student up to **Rs. 3000/-** for each / single offence; and
- b) Expel a student from the relevant Faculty for fifteen **(15)** days.

3) THE CHAIRMAN/ CHAIRPERSON/ DIRECTOR/ INCHARGE OF TEACHING DEPARTMENT OF UNIVERSITY MAY:

- a) Fine a student up to **Rs. 1000/-** for each / single offence; and
- b) Expel a student from the relevant Department for a period of one week.

4) THE PROVOST MAY:

- a) Fine a student up to **Rs. 1000/-** for each / single offence; and
- b) Expel a student from a Hall or Hostel for a specific period or for good.

5) THE DEAN OF A FACULTY MAY:

The Discipline Committee of the University shall deal with such serious cases of indiscipline as may be referred to it by the Vice-Chancellor and punishment in such cases shall be imposed on consideration of the recommendation of the Committee. Provided that no punishment shall be imposed without giving an opportunity to the student concerned to Show Cause and a chance to hear and defend him / her, if he / she so desires.

RULES OF ADMISSION:**ELIGIBILITY CRITERIA:****1) The admission in the course of Doctor of Physiotherapy will purely be on merit basis.**

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.**FORMULA FOR WORKING OUT THE OVERALL MERIT:**

- | | |
|--|----------------------|
| a) HSC (Pre-Medical)/ Equivalent Examination | 50% weightage |
| b) Entry Test | 50% weightage |

- 3) 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 incase the candidate who is finally declared for provisional selection under District Merit Category, if, he/she leaves/ withdraws from provisional selection or incase 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 vacate seat shall be filled through maintaining of merit as per merit list Self-Finance category.
- 4) The period of 45 days shall be countable from the commencement of classes of 1st year (1st Semester) of Academic Session 2023.
- 5) In case a seat/(s) fall/(s) vacant within (45) days of the academic year of admission session 2023; the same shall be filled by adopting the aforesaid procedure, any seat falling vacant upto period of 45 days, it shall not be filled and same shall stand vacant/ forfeited.
- 6) 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. Institute/ University reserve right to take legal action against the candidate.
- 7) 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 (IPRS) 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, LUMHS, as a penalty for wasting a precious seat.
- 8) There is no rule of migration during the studies of DPT for transfer from IPRS to any other Public/Private Sector Institute/University of Sindh or transfer from other Public/Private Institute/ University of Sindh to IPRS LUMHS.

ALLOCATION OF ADMISSIONS SEATS

S #:	NAME OF DISTRICT	ADMISSIONS CATEGORIES			TOTAL SEATS
		DISTRICT MERIT	SELF-FINANCE	OVERSEAS	
1.	Badin	02	38	02	One Hundred (100) Seats
2.	Dadu	02			
3.	Ghotki	02			
4.	Hyderabad	04			
5.	Jacobabad	02			
6.	Jamshoro	04			
7.	Karachi	04			
8.	Kashmore @ Kandhkot	02			
9.	Khairpur Mirs	04			
10.	Larkana	04			
11.	Matiali	02			
12.	Mirpurkhas	02			
13.	Naushahro Feroz	02			
14.	Qamber @ Shahdadkot	02			
15.	Sanghar	02			
16.	Shaheed Benazirabad	04			
17.	Shikarpur	02			
18.	Sujawal	02			
19.	Sukkur	02			
20.	Tando Allahyar	02			
21.	Tando Mohammad Khan	02			
22.	Tharparkar	02			
23.	Thatta	02			
24.	Umerkot	02			
TOTAL		60	38	02	100
NOTE: UNIVERSITY RESERVES THE RIGHTS TO CHANGE ALLOCATED SEATS					

REQUIREMENT FOR ADMISSION ON OVERSEAS:

- 1) Those candidates whose Parents/ Guardian are working/ residing abroad are eligible to apply for admission in DPT on Overseas category.
- 2) Candidate's Parent/ Guardian must possess Domicile of Sindh Province.
- 3) Photocopy of Candidate's Residence Certificate of Foreign Country.
- 4) Photocopy of Candidate's and Father's/ Mother's or Guardian Passport & Visa.
- 5) Application for admission on Overseas can be submitted on plain paper must be addressed to the Director Admissions, LUMHS Jamshoro along with Photocopy of Demand Draft of **US\$. 2, 400/- (US-DOLLARS)** in favor of Vice-Chancellor LUMHS Jamshoro.

NOTE:

- All the admission seats under District Merit, Self-Finance and Overseas categories will be filled as per Merit List.
- Applications for admissions on Self-finance and Overseas categories will be invited after display of District Merit List.

PRESCRIBED FEES SCHEDULE:

S. #	FEES HEAD	ADMISSION CATEGORY	FEE
01	Admission Fee	District Merit	Rs. 50, 000/-
		Self-Finance	Rs. 75, 000/-
		Overseas	US\$ 800/-
02	Semester/ Tuition Fee From 1 st to 10 th Semester (Each Semester)	District Merit	Rs. 65, 000/-
		Self-Finance	Rs. 140, 000/-
		Overseas	US\$ 1600/-
03	Library Fee (Per Semester)	FOR ALL ADMISSIONS CATEGORIES (District Merit, Self-Finance & Overseas)	Rs. 500/-
04	Transport Fee (Per Year)	FOR ALL ADMISSIONS CATEGORIES (District Merit, Self-Finance & Overseas)	Rs. 10000/-
05	Examination Fee (Per Semester)	FOR ALL ADMISSIONS CATEGORIES (District Merit, Self-Finance & Overseas)	Rs. 3050/-
06	I.D. Card Fee (One Time) <i>Note: Rs. 200/- will be charged for duplicate/ triplicate copy</i>	FOR ALL ADMISSIONS CATEGORIES (District Merit, Self-Finance & Overseas)	Rs. 200/-
NOTE: FEE ONCE PAID WILL NOT BE REFUNDED			

FEE RULES:

Once fee paid shall not be refunded, if, provisional selection made in the course of DPT under any admission category i.e. District Merit/ Self-Finance/ Overseas is cancelled up to 45 days, fee which is paid by the candidate shall be refunded.

After 45 days or closing of admission process, if, a candidate leaves/ withdraws from the admission/ studies of Doctor of Physiotherapy for any reason, He/ She will submit a Pay Order/ Demand Draft of **Rs.100, 000/- (Rupees One Hundred Thousand only)** payable to the Institute of Physiotherapy & Rehabilitation Sciences LUMHS Jamshoro as a penalty for wasting of precious seat.

ADVANCE INCOME/ WITHHOLDING TAX:

As per Finance Act 2013, Income Tax Ordinance, 2001, under the section 236I every educational institution is required to collect advance income tax at the rate **5%** on the amount of fee paid to an educational institution. The person responsible for preparing monthly, bimonthly or quarterly fee voucher or challan shall also charge withholding tax in case the fee exceeds two hundred thousand rupees annually. The term fee includes tuition fee and all charges received by the educational institution, by whatever name called, excluding the amount which is refundable, therefore, "Withholding Tax" shall be charged and collected from the student/(s) on educational fee exceeds two hundred thousand annually.

FREESHIP:

1. Free-ship of fees means exemption of paying tuition fee only (full/half). The student who is granted full/ half free-ship of tuition fee shall be required to make full payment for all other subscription/ funds.
2. The Free-ship will grant from 2nd year.
3. Free ship whole/ half of the tuition fees can be allowed by free-ship committee not exceeding more than **10%** number of the discipline.
4. The grant of free-ship will depend upon the circumstance of the students to his/ her studies. Absence or failure from professional examination, breach of discipline, neglect of studies or reprehensible conduct shall bring about loss of concession.
5. Fresh application/(s) along with relevant document/(s) shall be invited every year from students they will be submitted through their respective departments.
6. After scrutiny of document/(s) by concerned department/ institute, interview will be conducted from eligible students at Directorate of Academics.
7. Free-ship will be granted on annual basis.
8. Student who is receiving any other scholarship will not be eligible for free-ship.
9. Student is studying in Self-Finance/ Overseas basis will not be eligible.

ELIGIBILITY CRITERIA:

- a) Orphan Student or Single Parent
 - b) Poor Cum Merit-Basis
 - c) High Percentage or GPA**3+** (**EXCEPT TOP TEN POSITION HOLDERS**)
 - d) Parent/ Guardian's income should be up to Rs. 50, 000/= per month.
10. Sibling basis free-ship cases will be entertained.

AFFIDAVIT

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

I. _____ S/o, D/o _____
 Muslim/Non-Muslim adult R/o _____

_____ a candidate for admission in 1st year Doctor of Physiotherapy for academic session 2023 do hereby state on solemn affirmation / oath as under:

1. 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.
2. That, if, I am allowed admission in Doctor of Physiotherapy 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.
3. 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.
4. 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-Finance/ Overseas category in five years Degree Program of Doctor of Physiotherapy I shall complete the Course/ Degree Program of five years containing ten **(10)** semesters. However, in case, I leave the Institute of Physiotherapy (IPRS) LUMHS Jamshoro 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 Institute of Physiotherapy & Rehabilitation Sciences (IPRS), LUMHS Jamshoro.
5. That, I also undertake not to involve myself in any kind of Political Activity throughout tenure in this institution as a student and incase, I am found involved in such activities, the authority of the Institute/ University shall be at liberty to expel/ rusticate me and to cancel my admission.
6. 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.
7. That, whatever is stated above is true & correct to the best of my knowledge & 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 _____ 2023 at _____ by deponent named above who is identified to me by Mr./ Ms. _____ Advocate whom I know. The contents were first truly & audibly read over & explained to the deponent in _____ language who appears to have understood the same & put his / her signature in my presence.

Attestation _____

1st Class Magistrate

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 activity directly or 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 Institute of Physiotherapy & Rehabilitation Sciences, LUMHS Jamshoro. I also undertake further that after final Selection/ Provisional Admission in Doctor of Physiotherapy Course of my Son/ Daughter/ Sister/ Brother/ Wife/ Ward at the Institute of Physiotherapy & Rehabilitation Sciences, LUMHS, he / she will not be entitled to issuance of any certificate from the Institute under the admission category of District Merit, Self-Finance and Overseas Course of Doctor of Physiotherapy. However in case my Son/ Daughter/ Sister/ Brother/ Wife/ Ward leave Institute (IPRS) LUMHS Jamshoro/ discontinues 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 Institute of Physiotherapy & Rehabilitation Sciences **(IPRS)** LUMHS.

Signature of Parent / Guardian

C.N.I.C. No. _____

Full Address: _____

Contact No: _____

ATTESTATION BY JUDICIAL MAGISTRATE. WITH ROUND STAMP / SEAL

COLLEGE OF PHARMACY

Mission. The mission of the college of pharmacy, Liaquat University of Medical & Health Sciences is to educate, train and provide life-long learning opportunities for students, pharmacist and other health care professionals, while creating disseminating and applying new knowledge based on research in the field of pharmacy and clinical sciences to enhance the quality of life through improved health.

Vision. College of Pharmacy, LUMHS strives to support the profession of pharmacy's vision for practice, research and education by providing an environment for development and appropriate use of medications for the welfare and safety of the public.



Scope of Pharmacy

a) Pharmaceutical industry:

An important career option in the Pharmacy is represented by pharmaceutical industry. Here, pharmacists are employed in manufacturing, product, development, research, quality control, quality assurance, marketing, sales and administration.

b) Hospital and other Institutional settings:

The expansion of health care needs the society to put the hospital pharmacist in a position to have direct involvement in the patient care, it also establishes the roles of Drug purchases, control, supply & distribution of drugs, management functions, system development and planning.

c) Managed care Pharmacy:

Managed care is a system designed to optimize patient care through greater coordination of medical and pharmaceutical services. Managed care pharmacy services are extended health delivery system services that provide the pharmaceutical care at the primary or preventive level.

d) Community/Retail Pharmacy:

This area involves the practice of pharmacy in community settings or retail outlets. Pharmacists, in the community settings are actively involved in educating patients, maintaining and monitoring drug records and providing information resource of highest caliber.

e) Other fields in Pharmacy:

Pharmacists use their basic educational background in a host of federal, state and professional positions. At the federal or provincial level, pharmacist hold post like drug inspectors, drug Controllers, Pharmacist at Drug Testing Laboratories and also as Commissioned officers in Pakistan Armed Forces. Pharmacists with interest and special talents in organizational work also guide several national professional associations. There are pharmacists with legal training who are serving as patent lawyers or as experts in pharmaceutical law.

ELIGIBILITY CRITERIA FOR THE CANDIDATES

The minimum educational qualification of the candidate for the admission to first year Doctor of Pharmacy program is:

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% 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 Pharm-D.
2. Candidate for admission under the categories Merit/UEAP Self Finance/Overseas must be the permanent residence of Sindh province and have domicile of respective Districts of Sindh and his / her father must be holding domicile and PRC of same district or of Sindh Province, but not out of Sindh Province.

3. Eligibility criteria for Overseas

- a) Secondary School Certificate/ O-level equivalent certificate from IBCC.
- b) Equivalence Certificate of HSC (Pre-Medical) with a minimum 60% marks, from IBCC Islamabad.
- c) Country Secondary School Certificate/ Marks Certificate of Intermediate examination level
- d) SAT-II examination score with minimum 550 marks in each of three subjects, of which two have to be Biology and Chemistry or MCAT with minimum aggregate score of 24.
- e) Valid TOEFL OR IELTS with a score of 550 OR 5.5.
- f) Candidate must be permanent residence of and have domicile of respective districts of Sindh Province and his/her father must also be holding domicile and PRC of same district or of Sindh Province, but not out of Sindh.
- g) Candidate applying under the category of overseas Pakistani should submit the proof of his/ her father/ mother/ parents working outside Pakistan duly issued from the concerned Embassy or Consulate).

ALLOCATION OF SEATS

- h) Total number of seats to be offered for admission in Doctor of Pharmacy is 80 (Eighty). 50 Seats are reserved for the candidates on District wise merit basis, 25 seats are reserved on University Education Assistance Program (UEAP/ Self Finance and 03 Seats for Overseas Pakistani under self-finance and 02 seats for Afghan nationals under HEC scholar ship.

S #.	NAME OF DISTRICT	ALLOCATION OF SEATS DISTRICT WISE		OVERSEAS	HEC SCHOLASHIP FOR AFGHAN NATIONALS SEATS	TOTAL SEATS
		MERIT	UEAP SELF FINANCE			
1.	Hyderabad	5	1	03	02	(80) Eighty Seats
2.	Khairpur Mir's	4	1			
3.	Larkana	2	1			
4.	Shaheed Benazirabad (Nawabshah)	2	1			
5.	Mirpurkhas	3	1			
6.	Umerkot	1	1			
7.	Jamshoro	1	1			
8.	Badin	2	1			
9.	Dadu	2	1			
10.	Sukkur	2	1			
11.	Matiari	1	1			
12.	Tando Allahyar	1	1			
13.	Tando Muhammad Khan	1	1			
14.	Naushahro Feroze	2	1			
15.	Sanghar	4	1			
16.	Thatta	1	1			
17.	Shikarpur	2	1			
18.	Jacobabad	2	1			
19.	Qambar&Shahdadkot	2	1			
20.	Kashmore	1	1			
21.	Ghotki	2	1			
22.	Tharparkar	2	1			
23.	Sujawal	1	1			
24.	Karachi	4	2			
Total		50	25	03	02	80
NOTE: UNIVERSITY RESERVES THE RIGHTS TO CHANGE ALLOCATED SEATS						

FEES SCHEDULE DOCTOR OF PHARMACY

FEES STRUCTURE FOR MERIT CATEGORY							
Annual	Semester System	Admission Fee	Tuition Fee	Misc. Fee	Transport Fee	Total (Per Semester)	Total (Per Year)
1st Professional	Semester-I	16,000	61,250	18,000	10,000	105,250	166,500
	Semester-II	-	61,250	-		61,250	
2nd Professional	Semester-III	-	61,250	18,000	10,000	89,250	150,500
	Semester-IV	-	61,250			61,250	
3rd Professional	Semester-V	-	61,250	18,000	10,000	89,250	150,500
	Semester-VI	-	61,250		-	61,250	
4th Professional	Semester-VII	-	61,250	18,000	10,000	89,250	150,500
	Semester-VIII	-	61,250		-	61,250	
5th Professional	Semester-IX	-	61,250	18,000	10,000	89,250	150,500
	Semester-X	-	61,250	-		61,250	

FEES STRUCTURE FOR UEAP SELF FINANCE CATEGORY					
Annual	Semester System	Admission Fee	Tuition Fee	Total (Per Semester)	Total (Per Year)
1st Professional	Semester-I	22,000	125,000	147,000	272,000
	Semester-II	-	125,000	125,000	
2nd Professional	Semester-III	-	125,000	125,000	250,000
	Semester-IV	-	125,000	125,000	
3rd Professional	Semester-V	-	125,000	125,000	250,000
	Semester-VI	-	125,000	125,000	
4th Professional	Semester-VII	-	125,000	125,000	250,000
	Semester-VIII	-	125,000	125,000	
5th Professional	Semester-IX	-	125,000	125,000	250,000
	Semester-X	-	125,000	125,000	

Note: 5% Advanced Tax will be applicable as per Govt. Rules.

FEES STRUCTURE FOR OVERSEAS CATEGORY						
S.No.	Fees Structure	First Year	Second Year	Third Year	Fourth Year	Final Year
1.	Admission	\$500
2.	Tuition	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500
TOTAL		\$5,000	\$4,500	\$4,500	\$4,500	\$4,500

HOSTEL FEE: Candidates are supposed to deposit hostel fees at the time of admission			
1.	Admission Fee	Per Year	Rs.2200/
2.	Room Rent Incl. Electric And Water Charges	Per Year	RS.4400/
3.	Identity Card Fee	Per Year	Rs.110/
4.	Hostel Maintenance and Repair non Govt.	Per Year	Rs.2640/
		1 st Year	Rs.9350/
		2 nd Year	Rs.9350/
TOTAL RS.18,700/			

NOTE: HOSTEL FEE RATES CAN BE REVISED AS PER UNIVERSITY RULES

RULES FOR PAYMENT OF FEE

- a. Once fees paid shall not be refunded, if, Provisional Selection in course of Pharm-D under any admission category i.e. District Merit/UEAP Self-Finance / Overseas is cancelled up to 45 days, fees which is paid by the candidate shall be refunded.
- b. Fee is subject to revision by the university at any time during the course of study and will be applicable at once for all years.
- c. Candidates selected for admission in 1year Pharm-D under any category will have to deposit fee within seven days after display of final list, failing which their names will be cancelled without any notice no claim will be entertained.
- d. The student will have to pay the prescribed fee for the remaining years at the start of each session within stipulated time period, i.e 15 days. The challan forms will be issued by the directorate of finance
- e. If any student fails to deposit fee/dues within stipulated time period shall not be eligible to appear in examination. If student appear in examination without clearing dues the controller of examination UG will be held responsible.
- f. In case student appeared in examination with the permission of the competent authority the controller of examination U.G will be withheld the examination result till issuing of No Dues Certificate from Directorate of Finance.
- g. The Directorate of Finance will be responsible to collect the prescribed fee of remaining years from students, if any student fails to deposit the prescribed fee the Directorate of Finance will issue notice to the defaulter student.
- h. The Controller of Examination U.G will provide the examination record of the students to the Directorate of Finance on semester basis.
- i. The Directorate of Admission will provide the record of student to the Directorate of Finance for Issuance of notice on demand,
- j. Late payment Of (semester) will be surcharged from those students who fail to pay their prescribed fee (Merit/UEAP Self-Finance and Overseas) within due date, at the rate of Rs. 2000/- per month from Self Finance Students, Rs.1000/- per month from Merit students and US\$ 100 per month from Overseas students.
- k. 50% concession in prescribed fee shall be allowed to children of regular employees of LUMHS Jamshoro, as per syndicate Resolution No.18.12 (4/b. dated 21.02.2009.
- l. 50% concession in prescribed fee shall also be allowed to children of retired teaching faculty members of this university in accordance with the Syndicate Resolution No.Syn-18.2(4/r- dated 21.02.2009.
- m. In case of misplace /loss of identity card RS.200 will be charged from student for re issuance of identity card.
- n. Convocation fee of Rs. 2000/- will be charged from students at the time of submission final year examination (Pharm-D 9th semester).
- o. Degree fee of Rs.2000/- will be charged from students at the time of submission of Examination form of final year (10th semester Pharm.-D.)
- p. After 45 days or closing the admission process, if, a candidate leaves/ withdraws before completing the Pharm-D Course for any reason, He/ She will submit a Pay Order/ Demand Draft of **Rs. 2,50, 000/-** (Rupees Two Lacs and Fifty Thousand) only payable to College of Pharmacy (COP) LUMHS Jamshoro as a penalty for wasting a precious seat.

FEE FOR FAILURE/REPEATER STUDENTS.

- a. 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
- b. Repeater candidates admitted under regular general merit will be charged full fee.

ADVANCE INCOME/ WITHHOLDING TAX

As per Finance Act 2013, Income Tax Ordinance, 2001, under the section 2361 every educational institution is required to collect advance income tax at the rate 5% on the amount of fee paid to an educational institution. The person responsible for preparing monthly, bimonthly or quarterly fee voucher or challan shall also charge withholding tax in case the fee exceeds two hundred thousand rupees annually. The term fee includes tuition fee and all charges received by the educational institution, by whatever name called, excluding the amount which is refundable, therefore, "Withholding Tax" shall be charged and collected from the student/(s) on educational fee exceeds two hundred thousand annually.

FREE-SHIP FOR STUDENTS DOCTOR OF PHARMACY

- 1) Remission of tuition fee shall be considered for the students who are admitted only on the merit basis.
- 2) Remission of the whole or half of the tuition fees may be allowed by Free-ship Committee not exceeding than 10% number of students.
- 3) Remission of fees means exemption of paying tuition fee only full or half as the case may be. The students who are granted full/ half remission of tuition fee shall be required to make full payment for all other subscription/ fund.
- 4) The facility of Free-ship shall be on annual basis.
- 5) Application for remission shall be submitted by the students on the date to be fixed by free-ship committee. The application should be accompanied with Income certificate form D.C.Os or Mukhtiarkar (Revenue) of the concerned districts/taluka to which students belong.
- 6) Following students are eligible for free-ship.
 - a) Poverty cum merit basis.
 - b) Brother and sister basis or two brothers or two sisters in the University. (one should pay full fees and other is eligible for full free-ship of tuition fees.)

RULES OF MIGRATION

There is no rule of migration from the College to any other institute during the course of Pharm-D program.

COLLEGE LIBRARY RULES AND REGULATIONS

1. The Library and Reading Room shall remain open in the premises of COP on every working day during office hours.
2. Books / Journals will be issued to students only on deposit of their Seminar Library card.
3. Prescribed Text Books and reference books should only be read in the library.
4. Each student is entitled to borrow maximum two books for three days at a time.
5. All the books are to be returned in intact position and the clearance certificate from the Librarian of the College will be necessary at final semester examination.
6. Books are to be kept in good condition. No any marking is to be made inside the books. Any damage or loss of books will be recovered from the student.
7. Books should be returned within due date otherwise fine @ Rs.30/- per day will be charged.

ACADEMIC PROGRAM

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 conduct 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

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 be bifurcated into the following groups.

- 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 groups.

- 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 or 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 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 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 of tenth semester they will be allowed to appear in re-sit examination will continue to repeat failure subjects with junior batch till the completely pass Pharm-D examination.

CURRICULUM

1ST PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
300	English-A (Functional English)	2	301	English-B (Communication & writing skills)	4
Pharm-310	Pharmaceutics-IA (physical pharmacy) Th.	3	Pharm- 320	Pharmaceutics-IB (physical pharmacy) Th.	3
Pharm-311	Pharmaceutics-IA (physical pharmacy) Lab.	1	Pharm- 321	Pharmaceutics-IB (physical pharmacy) Lab.	1
Pharm-312	Pharmaceutical Chemistry-IA (organic) Th.	3	Pharm- 322	Pharmaceutical Chemistry-IB (organic) Th	3
Pharm-313	Pharmaceutical Chemistry-IA (organic)Lab.	1	Pharm- 323	Pharmaceutical Chemistry-IB (organic) Lab	1
Pharm-314	Pharmaceutical Chemistry-IIA (Biochemistry) Th.	3	Pharm-324	Pharmaceutical Chemistry-IIB (Biochemistry) Th.	3
Pharm-315	Pharmaceutical Chemistry-IIA (Biochemistry) Lab.	1	Pharm- 325	Pharmaceutical Chemistry-IIB (Biochemistry) Lab.	1
Pharm-316	Physiology-A Th.	3	Pharm- 326	Physiology-B Th.	3
Pharm-317	Physiology-A Lab	1	Pharm-327	Physiology-B Lab.	1
Pharm-318	Anatomy & Histology Th.	3			
Pharm-319	Anatomy & Histology Lab.	1			
Total Cr. Hr.		22	Total Cr. Hr.	Total Cr. Hr.	20

CURRICULUM

2ND PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
IS 402	Islamic Studies	3	PS 403	Pakistan Studies	2
Pharm- 410	Pharmaceutics-IIA (Dosage from sciences) Th.	3	Pharm- 420	Pharmaceutics-IIB (Dosage from sciences) Th	3
Pharm- 411	Pharmaceutics-IIA (Dosage from sciences) Lab.	1	Pharm- 421	Pharmaceutics-IIB (Dosage from sciences) Lab.	1
Pharm- 412	Pharmaceutics-IIIA (Pharmaceutical Microbiology and Immunology) Th.	3	Pharm- 422	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology) Th.	3
Pharm- 413	Pharmaceutics-IIIA (Pharmaceutical Microbiology and Immunology) Lab.	1	Pharm- 323	Pharmaceutics-IIIB (Pharmaceutical Microbiology and Immunology) Lab.	1
Pharm- 414	Pharmacology and Therapeutics-IA Th.	3	Pharm- 424	Pharmacology and Therapeutics-IB Th.	3
Pharm- 415	Pharmacology and Therapeutics-IA Lab.	1	Pharm- 425	Pharmacology and Therapeutics-IB Lab.	1
Pharm- 416	Pharmacognosy-IA (Basic) Th.	3	Pharm- 426	Pharmacognosy-IB (Basic) Th.	3
Pharm- 417	Pharmacognosy-IA (Basic) Lab	1	Pharm- 327	Pharmacognosy- IB(Basic) Lab.	1
Pharm- 418	Pharmacy Practice-IA (Pharmaceutical Mathematics)	3	Pharm- 428	Pharmacy Practice-IB (Bio-Statistics)	3
	Total Cr. Hr.	22	Total Cr. Hr.	Total Cr. Hr.	21

CURRICULUM

3RD PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
Pharm-510	Pharmacy Practice-IIA (Dispensing Pharmacy) Th.	3	Pharm- 520	Pharmacy Practice-IIB (Community Social and Administrative Pharmacy) Th.	3
Pharm-511	Pharmacy Practice-IIA (Dispensing Pharmacy) Lab.	1	Pharm- 522	Pharmaceutical Chemistry- IIIB (Pharmaceutical Analysis) Th.	3
Pharm-512	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis) Th.	3	Pharm- 523	Pharmaceutical Chemistry- IIIB (Pharmaceutical Analysis) Lab.	1
Pharm-513	Pharmaceutical Chemistry-IIIA (Pharmaceutical Analysis) Lab.	1	Pharm- 524	Pharmacology and Therapeutics-IIB Th.	3
Pharm-514	Pharmacology and Therapeutics-IIA Th.	3	Pharm- 525	Pharmacology and Therapeutics-IIB Lab.	1
Pharm-515	Pharmacology and Therapeutics-IIA Lab.	1	Pharm- 526	Pharmacognosy-IIB (Advanced) Th.	3
Pharm-516	Pharmacognosy-IIA (Advanced) Th.	3	Pharm- 527	Pharmacognosy-IIB (Advanced) Lab.	1
Pharm-517	Pharmacognosy-IIA (Advanced) Lab	1	Pharm- 528	Pharmacy Practice-III (Computer and its applications in Pharmacy) TH.	3
Pharm-518	Pathology Th.	3	Pharm- 529	Pharmacy Practice-III (Computer and its applications in Pharmacy) Lab.	1
Pharm-519	Pathology Lab.	1			
Total Cr. Hr.		20	Total Cr. Hr.	Total Cr. Hr.	19

CURRICULUM

4TH PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
Pharm- 610	Pharmacy Practice-IVA (Hospital Pharmacy) Th.	3	Pharm- 620	Pharmacy Practice- IVB (Hospital Pharmacy) Th.	3
Pharm- 612	Pharmacy Practice-VA (Clinical Pharmacy) Th.	3	Pharm- 622	Pharmacy Practice-VB (Clinical Pharmacy) Th.	3
Pharm- 613	Pharmacy Practice-VA (Clinical Pharmacy) Lab.	1	Pharm- 623	Pharmacy Practice-VB (Clinical Pharmacy) Lab.	1
Pharm- 614	Pharmaceutics -IVA (Industrial Pharmacy) Th.	3	Pharm- 624	Pharmaceutics -IVB (Industrial Pharmacy) Th.	3
Pharm- 615	Pharmaceutics- IVA (Industrial Pharmacy) Lab.	1	Pharm- 625	Pharmaceutics- IVB (Industrial Pharmacy) Lab.	1
Pharm- 616	Pharmaceutics - VA (Bio Pharmaceutics & Pharmacokinetics) Th.	3	Pharm- 626	Pharmaceutics - VB (Bio Pharmaceutics & Pharmacokinetics) Th.	3
Pharm- 617	Pharmaceutics - VA (Bio Pharmaceutics & Pharmacokinetics) Lab.	1	Pharm- 627	Pharmaceutics - VB (Bio Pharmaceutics & Pharmacokinetics) Lab.	1
Pharm- 618	Pharmaceutics -VIA (Pharmaceutical Quality Management) Th.	3	Pharm- 628	Pharmaceutics -VIB (Pharmaceutical Quality Management) Th.	3
Pharm- 619	Pharmaceutics -VIA (Pharmaceutical Quality Management) Lab.	1	Pharm- 629	Pharmaceutics -VIB (Pharmaceutical Quality Management) Lab	1
Total Cr. Hr.		19	Total Cr. Hr.	Total Cr. Hr.	19

CURRICULUM
















5TH PROFESSIONAL PHARM-D

1 ST Semester			2 ND Semester		
Course #	Subject	Cr. Hr.	Course.#	Subject	Cr. Hr.
Pharm-710	Pharmaceutics-VIIA (Pharmaceutical Technology) Th.	3	Pharm-720	Pharmaceutics-VIIB (Pharmaceutical Technology) Th.	3
Pharm-711	Pharmaceutics-VIIA (Pharmaceutical Technology) Lab.	1	Pharm-721	Pharmaceutics-VIIB (Pharmaceutical Technology) Lab.	1
Pharm-712	Pharmacy Practice-VIA Clinical Pharmacy- II (Advanced) Th.	3	Pharm-722	Pharmacy Practice-VIB Clinical Pharmacy- II (Advanced) Th.	3
Pharm-713	Pharmacy Practice-VIA Clinical Pharmacy- II (Advanced) Lab.	1	Pharm-723	Pharmacy Practice-VIB Clinical Pharmacy- II (Advanced) Lab.	1
Pharm-714	Pharmacy Practice-VIIA Forensic Pharmacy Th.	3	Pharm-724	Pharmacy Practice-VIIB Forensic Pharmacy Th.	3
Pharm-716	Pharmacy Practice-VIIIA Pharmaceutical Management & Marketing) Th.	3	Pharm-726	Pharmacy Practice-VIIIB Pharmaceutical Management & Marketing) Th.	3
Pharm-718	Pharmaceutical Chemistry-IVA (Medicinal Chemistry) Th.	3	Pharm-728	Pharmaceutical Chemistry-IVA (Medicinal Chemistry) Th.	3
Pharm-719	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)Lab.	1	Pharm-729	Pharmaceutical Chemistry-IVA (Medicinal Chemistry)Lab.	1
Total Cr. Hr.		18	Total Cr. Hr.	Total Cr. Hr.	18

Pharm-D Five Year Credit Hours Summary

Pharm-D	1 ST Semester	2 ND Semester	Total
Professional	Cr. Hr.	Cr. Hr.	Cr. Hr.
1 ST	22	20	42
2 ND	22	21	43
3 RD	20	19	39
4 TH	19	19	39
5 TH	18	18	36
Total Credit Hours	101	97	198

TEACHING FACULTY COP

<u>NAME</u>	<u>PICTURE</u>	<u>NAME</u>	<u>PICTURE</u>
Prof. Dr. Naheed Memon Ph. D Pharmaceutics Principal College of Pharmacy		Dr. Maira Ahsan Memon Pharm-D M.Phil Pharmaceutics (Ph.D) Lecturer	
Dr. Ahsan Ali Memon M.Phil Pharmacology MBA-HR, (Ph.D) Assistant Professor		Dr. Asif Ali Soomro Pharm-D MSPH (Ph.D) Lecturer	
Dr. Raheela Afzal Shaikh Ph.D Pharmaceutics M.Phil. Pharmaceutics MBA Marketing Assistant Professor		Dr. Hatesh Kumar Pharm.D M.Phil Pharmaceutics (Ph.D) Lecturer	
Dr. Sadaf Hayat Laghari M.Phil Pharmaceutics Assistant Professor		Dr. Syed Shafquat Ali Shah M.phil Pharmaceutics (Ph.D) Lecturer	
Dr. Izhaar Mirani M.Phil Pharmacology Assistant Professor		Dr. Komal Zaman Pharm-D M.Phil Pharmaceutics (Lecturer)	
Dr. Syed Zohaib Hussain Ph.D Pharmaceutics Assistant Professor		Dr. Syed Mubashir Shah Pharm-D M.Phil (Ph.D) Lecturer	
Dr. Danish Patoli Post-doc (France), PhD (Life Sciences, France)		Dr. Bilal Mustafa Memon PhD (Pharmaceutical Sciences, France), M.Phil (Health Sciences, France)	
		Dr. Bilal Memon MSc (Neuroscience, Malaysia), Pharm-D	

AFFIDAVIT

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

I. _____ S/o, D/o _____
 Muslim/Non-Muslim adult R/o _____

a candidate for admission in 1st year Doctor of Pharmacy (Pharm-D) for academic session 2022-2023 do hereby state on solemn affirmation / oath as under:

- 1) 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.
- 2) That, if, I am allowed admission in Pharmacy (Pharm-D) 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.
- 3) 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.
- 4) 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-Finance/ Overseas category in five years Degree Program of Pharmacy (Pharm-D) I shall complete the Course/ Degree Program of five years containing ten **(10)** semesters. However, in case, I leave the College of Pharmacy LUMHS Jamshoro before completion of the Course, I shall be liable to penalty of **Rs. 250,000/- (Rupees Two Lacs and Fifty Thousand)** only payable through Pay Order / Demand Draft in favor to College of Pharmacy, LUMHS Jamshoro.
- 5) That, I also undertake not to involve myself in any kind of Political Activity throughout tenure in this institution as a student and incase, I am found involved in such activities, the authority of the Institute/ University shall be at liberty to expel/ rusticate me and to cancel my admission.
- 6) 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.
- 7) That, whatever is stated above is true & correct to the best of my knowledge & 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 _____ 2022
 at _____ by deponent named above who is identified to me by _____ Mr./ Ms.
 _____ Advocate whom I know. The contents were first truly & audibly read over &
 explained to the deponent in _____ language who appears to have
 understood the same & put his / her signature in my presence.

Attestation _____
1st Class Magistrate

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 activity directly or indirectly throughout his/ her career as student of Doctor of Pharmacy (Pharm-D) 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 of Pharmacy, LUMHS Jamshoro. I also undertake further that after final Selection/ Provisional Admission in Doctor of Pharmacy (Pharm-D) Course of my Son/ Daughter/ Sister/ Brother/ Wife/ Ward at the College of Pharmacy, LUMHS, he / she will not be entitled to issuance of any certificate from the Institute under the admission category of District Merit, Self-Finance and Overseas Course of Doctor of Pharmacy (Pharm-D). However in case my Son / Daughter / Sister / Brother / Wife / Ward leave College of Pharmacy LUMHS Jamshoro / discontinues before completion of the Course. He / She shall be liable to penalty of **Rs. 250,000/- (Rupees Two Lacs and Fifty Thousand)** only payable through pay order / Demand Draft to College of Pharmacy LUMHS.

Signature of Parent / Guardian

C.N.I.C No. _____

Full Address: _____

Contact No: _____

PEOPLES NURSING SCHOOL



ADMINISTRATION COMMITTEE

Prof. Dr. Ikram Din Ujjan
Vice Chancellor / Chairman
LUMHS Jamshoro

Member

Dr. Munawar Alam Ansari
Dean
Faculty of Community Medicine & Public Health Sciences,
LUMHS, Jamshoro

Dr. Samreen Memon
Director academics, LUMHS, Jamshoro

Dr. Haji Muhammad Shaikh
Registrar LUMHS, Jamshoro

Ms. Preesa Bhutto
Director Admission LUMHS, Jamshoro

Dr. Sajjan Halepoto
Director Student Affairs LUMHS, Jamshoro

Ms. Parveen Akhter
Director
PNS, LUMHS, Jamshoro

FACULTY PEOPLE'S NURSING SCHOOL

Director Nursing

Ms. Parveen Akhter

MPH, Assistant Professor

People's Nursing school (PNS)

Ms. Musarat Fatima

Assistant Professor

PNS, LUMHS, Jamshoro

Ms. Hussan Bano Channar

Assistant Professor

PNS, LUMHS, Jamshoro

Ms. Victoria Samar

Assistant Professor

PNS, LUMHS, Jamshoro

Ms. Shaneela Sudruddin

Assistant Professor

PNS, LUMHS, Jamshoro

Mr. Amanullah Rind

Senior Lecturer/Deputy Director(Admin)

PNS, LUMHS, Jamshoro

Ms. Rubina Margrate

Senior Lecturer

PNS, LUMHS, Jamshoro

Mr. Muhammad Bakhsh

Lecturer, Pak. Studies

PNS, LUMHS, Jamshoro

Mr. Manzoor Ali Janveri

Lecturer, Sociology

PNS, LUMHS, Jamshoro

Mr. Mairaj Hafeez Chang

Lecturer

PNS, LUMHS, Jamshoro

Mr. Mansoor-ul-Haq Nohri

Lecturer

PNS, LUMHS, Jamshoro

Ms. Fatima Soomro

Lecturer

PNS, LUMHS, Jamshoro

Ms. Amber Halepoto

Lecturer

PNS, LUMHS, Jamshoro

Ms. Khushboo Chandio

Lecturer (Contract)

PNS, LUMHS, Jamshoro

Mr. Abdul Hameed Bacho

Teaching Assistant

PNS, LUMHS, Jamshoro

PEOPLE'S NURSING SCHOOL UMHS, JAMSHORO

INTRODUCTION

The people's Nursing School, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO

(LUMHS) is the first ever public sector Nursing School in Pakistan started Four Years BS Nursing Generic Degree Program to provide quality Nursing Education to deserving students. It is fully equipped with all necessary equipment and furniture according to the need of modern nursing profession.

MISSION STATEMENT AND VISION

To provide quality education to students, to groom their personality and teach them sense of responsibility, confidence, commitment and dedication toward their profession, community and society at national as well as at global level to provide better health care to the community.

OBJECTIVES:

- To prepare highly qualified nurses to meet the future challenges to provide the highest quality nursing care.
- To provide leadership in nursing education, administration and research.
- To prepare nursing human resources to pursue higher education at accredited universities throughout the world.

ACADEMIC PROGRAM

People's Nursing School, LUMHS, Jamshoro - Sindh PAKISTAN, offers a four years course of study which leads to BS Nursing Degree.

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.

REGISTRATION OF PAKISTAN NURSING COUNCIL

BSN degree Program is registered with Pakistan Nursing council (PNC), Islamabad as per their Rules & Regulations

GENERIC BSN (04 YEARS DEGREE PROGRAM)

- Qualification:
 - a. Matric Science (Physics, Chemistry & Biology as compulsory subjects)
 - b. FSc (Pre-Medical) with 50% marks minimum (Physics, Chemistry & Biology as compulsory subjects)
- Age Limit: (14 – 35 Years)
- Gender Ratio: 50% Male and 50% Female

COURSE OUTLINES

FIRST YEAR (Semester-I)			Credit ours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 01-1-1	Fundamental of Nursing -I	2	---	2	4
2	BSNG 02-1-1	Microbiology	2.5	---	0.5	3
3	BSNG 03-1-1	Anatomy & Physiology- I	3	---	0	3
4	BSNG 04-1-1	Biochemistry for Nurses	2	---	1	3
5	BSNG 05-1-1	English-I (Functional)	2	---	---	2
6	BSNG 06-1-1	Computer Skills	---	---	1	1
TOTAL CREDIT HOURS			11.5	--	4.5	16

FIRST YEAR (Semester-II)			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills/ Lab	
1	BSNG 01-1-2	Fundamental of Nursing-II	2	1	1	4
2	BSNG 03-1-2	Anatomy & Physiology-II	3	---	---	3
3	BSNG 07-1-2	Community Health Nursing-I	2	1	---	3
4	BSNG 08-1-2	Applied Nutrition	1	---	---	1
5	BSNG 05-1-2	English-II (Communication Skills)	2	---	---	2
6	BSNG 09-1-2	Islamiyat	2	---	---	2
7	BSNG 10-1-2	Pakistan Studies	2	---	---	2
TOTAL CREDIT HOURS			14	2	1	17

SECOND YEAR Semester-III			CreditHours	Credit Hours		Total Credit Hours
Sr.No.	Course Code	Course Name	Theory	Clinical	Skills/ Lab	
1	BSNG 11-2-3	Adult Health Nursing-I	4	3	1	8
	BSNG 12-2-3	Pathophysiology-I	1.75	---	0.25	2
3	BSNG 13-2-3	Health Assessment-I	1	---	1	2
4	BSNG 14-2-3	Pharmacology- I	2	---	---	2
5	BSNG 15-2-3	Mathematics	1	---	---	1
6	BSNG 05-2-3	English-III	2	---	---	2
TOTAL CREDIT HOURS			11.75	3	2.25	17

SECOND YEAR Semester-IV			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills/ Lab	
1	BSNG 11-2-4	Adult Health Nursing-II	4	3	1	8
2	BSNG 12-2-4	Pathophysiology-II	2.75	---	0.25	3
3	BSNG 13-2-4	Health Assessment-II	1	---	1	2
4	BSNG 14-2-4	Pharmacology-II	2	---	---	2
5	BSNG 16-2-4	Developmental Psychology	2	---	---	2
6	BSNG 05-2-4	English-IV	2	---	---	2
7	BSNG 17-2-4	Nursing Ethics	1	---	---	1
TOTAL CREDIT HOURS			14.75	3	2.25	20

THIRD YEAR Semester-V			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 18-3-5	Pediatric Health Nursing	3	3	1	7
2	BSNG 07-3-5	Community Health Nursing-II	2.5	2.5	1	6
3	BSNG 19-3-5	Teaching Learning Principles & Practices	3	---	---	3
4	BSNG 05-3-5	English-V	2	---	---	2
TOTAL CREDIT HOURS			10.5	5.5	2	18

THIRD YEAR Semester-VI			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills/ Lab	
1	BSNG 20-3-6	Mental Health Nursing	3	3	---	6
2	BSNG 21-3-6	Introduction to Biostatistics	2.5	---	0.5	3
3	BSNG 22-3-6	Behavioral Psychology	3	---	---	3
4	BSNG 23-3-6	Epidemiology	2	---	---	2
5	BSNG 05-3-6	English-VI (Academic Writing)	2	---	---	2
6	BSNG 24-3-6	Culture, Health & Society	2	---	---	2
TOTAL CREDIT HOURS			14.5	3	0.5	18

FOURTH YEAR Semester-VII			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Skills / Lab	
1	BSNG 25-4-7	Critical Nursing Care	2.5	4	0.5	7
2	BSNG 26-4-7	Introduction to Nursing Theories	2	---	---	2
3	BSNG 27-4-7	Leadership & Management in Nursing	2	1	---	3
4	BSNG 28-4-7	Nursing Research	3	---	---	3
5	BSNG 05-4-7	English-VII (Professional Writing)	2	---	---	2
TOTAL CREDIT HOURS			11.5	5	0.5	17

FOURTH YEAR Semester-VIII			Credit Hours	Credit Hours		Total Credit Hours
Sr. No.	Course Code	Course Name	Theory	Clinical	Tutorial	
1	BSNG 07-4-8	Community Health Nursing-III	2	3	---	5
2	BSNG 29-4-8	Nursing Seminars / Role Transition	2	---	---	2
3	BSNG 30-4-8	Clinical Practicum	---	4	1	5
4	BSNG 05-4-8	English-VIII (Writing for Research Report)	2	---	---	2
TOTAL CREDIT HOURS			6	7	1	14

TOTAL CREDIT HOURS (4 YEARS PROGRAM)

137

ALLOCATION OF SEATS

Number of seats 70

SINDH PROVINCE NUMBER OF SEATS - 60				OTHER PROVINCE NUMBER OF SEATS - 10		
CATEGORY				CATEGORY		
Merit		Self Finance		Self Finance		
Female	Male	Female	Male	Province	Female	Male
25	25	05	05	Punjab	01	01
				Khyber Pakhtunkhwa	01	01
				Baluchistan	01	01
				Azad Jammu & Kashmir	01	01
				FATA/ FANA	01	01
				Total	05	05

UNIFORM

- a) White apron with maroon color piping in campus
- b) Pakistan Nursing Council's prescribed Uniforms during the clinical practice in the wards

GIRLS

White shirt White Shalwar
White Dopata White Apron Black Shoes

BOYS

White Shirt white Paint
White Apron Black Shoes

SINDH PROVINCE DISTRICT OPEN MERIT QUOTA

TOTAL 50 SEATS

Sr. No.	District Quota	Open Merit Female	Open Merit Male
1	Karachi	2	2
2	Badin	1	1
3	Dadu	1	1
4	Ghotki	1	1
5	Hyderabad	1	1
6	Jacobabad	1	1
7	Jamshoro	1	1
8	Kashmor	1	1
9	Khairpur Mirs	1	1
10	Larkana	1	1
11	Matiari	1	1
12	Mirpurkhas	1	1
13	Naushahro Feroz	1	1
14	Qambar @ Shahdadkot	1	1
15	Sanghar	1	1
16	Shaheed Benazirabad	1	1
17	Shikarpur	1	1
18	Sijawal	1	1
19	Sukkur	1	1
20	Tando Allah Yar	1	1
21	Tando Muhammad Khan	1	1
22	Tharparkar	1	1
23	Thatta	1	1
24	Umarkot	1	1
TOTAL		25	25

FEE STRUCTURE*BS Nursing Degree Program.***Merit**

FEES (Merit Basis)	1 st Year	2 nd Year	3 rd Year	4 th Year
Admission Fees	23,100	-	-	-
PNC Enrollment Fees	2,000	-	-	-
Tuition Fees	9,240	9,240	9,240	9,240
Transport Fees	10,000	10,000	10,000	10,000
Misc. Fees	11,550	11,550	11,550	11,550
SUB TOTAL	55,890	30,790	30,790	30,790
GRAND OTAL				148,260/

Self Finance

FEES (Self Finance Basis)	1 st Year	2 nd Year	3 rd Year	4 th Year
Admission Fees	100,000	-	-	-
PNC Enrollment Fees	2,000	-	-	-
Tuition Fees	26,400	26,400	26,400	26,400
Transport Fees	10,000	10,000	10,000	10,000
Misc. Fees	32,560	32,560	32,560	32,560
SUB TOTAL	170,960	68,960	68,960	69,960
GRAND TOTAL				377,840/

NOTE: Transport Fee * as per University Policy

PROCEDURE POLICY / RULES OF ADMISSION

1. The candidates according to quota will be selected from the merit list of the candidates.
2. The seat vacated by the candidate will be filled-in by next the candidate on merit list.
3. The selected candidate has to deposit fees, all required documents (in original) and join within Seven (07) days after the selection in BS Nursing, in case of failure the selection of candidate shall be cancelled and the Vacant Seat will be offered to next available candidate on waiting list, any seat falling vacant after closing of admission will not be filled and shall stand forfeited.
4. Candidate's admission will be cancelled (from the list of enrolled in PNS, LUMHS, Jamshoro), after joining the PNS if he/she remains absent for thirty days or more, without any information to the competent authority.
5. 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.
6. 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.
7. Selected candidates (either open merit or self-finance or allowed provisional admission) shall have to pledge through a signed affidavit that they will complete the BS Nursing degree (04 years) programme. However, in case, if he/she leaves the programme without having any sound justification and/or without any information, student will have to pay an amount of (Rs. 100,000 for merit student and Rs. 200,000 for self-finance student) (as a compensation of wasting another desired candidate's seat),

Academic Policies and Procedures

A. GENERAL INSTITUTIONAL REGULATIONS

- a). All the candidates must present themselves in the institute on the first day of firstsemester, i.e. Orientation Week.
- b). Class schedule / time table will be posted on bulletin / Notice boardc). 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.

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**.
- **As per Pakistan Nursing 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 PNC Rule will repeat the Subjects in next academic year(See PNC Rule 1995).

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 LUMHS, 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.

AFFIDAVIT*(To be typed on KR. 200/= Stamp Paper)*

I _____ S/O, D/O, W/O _____

Muslim / Non-Muslim, a resident of _____

a candidate for admission in 1st Year BS Nursing Degree Program for the Academic Session 2022 – 23, do hereby state on solemn affirmation on oath as under

1. That I am a of PRC of District _____ which was issued on the basis of domicile of district _____ issued to me / my father / mother and I do not have any other PRC / domicile of any other district in Sindh
2. That if I am allowed admission in BS Nursing Degree Program on the merit seat of District _____ on the basis of Domicile / PRC, I shall not seek admission in any other public sector / private sector, Nursing Institution or any other Degree College/Institute.
3. 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 is found to be false, incorrect or otherwise defective thereby I know that admission is liable to be cancelled.
4. That after my final selection / provisional admission on open / general merit seat / under self-finance seat in BS Nursing Degree Program I shall complete the course of 04 Years, in case I leave the People's Nursing School, LUMHS, Jamshoro before completion of the course, I shall be liable to penalty of Rs. 100,000 (Rupees One lac) (for Merit Seat) / Rs. 200,000 (Rupees two lac) (for Self Finance seat) payable through pay order/demand draft for wasting the precious seat, else I will not be entitled to issuance of any certificate from the institution.
5. That I also undertake that I shall not be to involve myself in any kind of political / unwanted activity throughout my tenure in this Institution (PNS, LUMHS) as a student and in case I am found involved in such activities, the authority of the Institution (PNS, LUMHS) shall be at liberty to expel / rusticate me and to cancel my admission.
6. That I also state that I have gone through all the rules, terms & conditions of the admission, studies and declare that my priority of choice for course is indicated in the application form.
7. That whatever stated above is true and correct to the best of my knowledge & belief.

Signature of Deponent

CNIC: _____

The deponent name above is identified by me to the oath commissioner for taking affidavit

ADVOCATE

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

(To be typed on PKR. 200/= Stamp Paper)

I also undertake that if my son / daughter / is found to be involved in any political and unethical activity, I shall have no objection to her / his rustication from the University.

[illegible]

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COLLEGE OF TECHNOLOGY
LUMHS, JAMSHORO

2022-2023 PROSPECTUS

**UNDERGRADUATE
DEGREE AND DIPLOMA PROGRAMS
IN DIFFERENT SPECIALITIES**





MESSAGE BY DIRECTOR

As the Director of College of Technology, Liaquat University of Medical & Health Sciences Jamshoro, I am delighted to welcome all of you to the new chapter of your academic journey.

The College of Technology was founded with the aim of upholding and fulfilling the values of the prestigious institution that is LUMHS. Thus, through the many disciplines that we offer in our Undergraduate and diploma programs, we strive to nurture students as both people and professionals with knowledge and skills to compete locally, nationally, and internationally.

We will do our utmost to provide you with state-of-the-art technical training and qualification in Pathology, Radiology, Forensic Medicine, Ophthalmology, and Dentistry.

In return, all I request is for all of you to use this opportunity to find and maximize your true potentials to be the leaders of the next generation.

PROF. DR. MUNAWAR HUSSAIN

Director,

College of Technology, LUMHS, JAMSHORO



The Vision of the College of Technology, LUMHS, Liaquat University of Medical and Health Sciences is to be among the best college in providing various undergraduate degree and Diploma programs in Diagnostic Radiology, Medical Laboratory Technology, Forensic Science, Blood Banking, Dentistry and Ophthalmology.

Our College will learn from, build on and respect the past, be active and aggressive in improving the present, but look to the future, and rather than asking **“why,” we will ask**

“why not.”



Top-Notch Education. Cutting-Edge Research. Outstanding Clinical Capabilities. The College of Technology, LUMHS is a respected leader on all three fronts. Our talented faculty and advanced technology attract trainees and scientists who are among the best and brightest – offering the opportunity to work and train in a dynamic innovative environment which remains personal and accessible. Our mission is simple: to bring scientific advances in medical technology to clinical application. We strive to create an inclusive, engaged environment in which faculty, residents, fellows, medical students and technical staff all learn from each other and freely collaborate with our clinical and basic-science colleagues. We have a team of highly professional and dedicated full time and visiting faculty who have expertise in all fields. Our visiting faculty from abroad have capabilities for online teaching. Most of our faculty members are supervisors and examiners of PHD, MD, MS, MCPS, and FCPS

ACADEMIC PROGRAMS

The College of Technology, LUMHS, is involved in academics by the conduct of various Undergraduate degree and Diploma programs.

We are very much determined and focused to launch further undergraduate and postgraduate programs in this year.

Following are Degree Programs:

S. No	DEGREE PROGRAMS	Course Duration
1	BS Radiologic Technology (BSRT)	Four Years
2	Associate of Applied Sciences in Radiologic Technology (AASRT)	Two Years
3	BS Medical Laboratory Technology (BSMLT)	Four Years
4	BS Forensic Science in Forensic Biology (BSFB)	Four Years
5	BS Forensic Science in Forensic Chemistry & Toxicology (BSFC&T)	Four Years

Following are Diploma Programs:

S. No	DIPLOMA PROGRAM	Course Duration
1	Diploma in CT Technology (DCTT)	One Year
2	Diploma in MRI Technology (DMRIT)	One Year
3	Diploma in Blood Banking and Transfusion (DBBT)	One Year
4	Diploma in Ophthalmic Technician (DOT)	Two Years
5	Diploma in Dental Technician (DDT)	Two Years
6	Diploma in Refractionist Technology (DRT)	Two Years

ALLOCATION OF SEATS FOR ALL PROGRAMS

Allocation of Degree Program:

S. No	DEGREE PROGRAM	ALLOCATION OF SEATS				
		General Merit	UEAP Self Finance	Other Provinces	Overseas / Self Finance	Total
1	BS Radiologic Technology (BSRT)	60	10	0	0	70
2	BS Medical Laboratory Technology (BSMLT)	60	10	0	0	70
3	BS Forensic Science in Forensic Biology (BSFB)	39	6	8	7	60
4	BS Forensic Science in Forensic Chemistry & Toxicology (BSFC&T)	39	6	8	7	60
5	Associate of Applied Sciences in Radiologic Technology (AASRT)	60	0	0	0	60

ELIGIBILITY CRITERIA

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 IN TECHNOLOGY PROGRAMMES.

Allocation of Diploma Program:

S. No	DIPLOMA PROGRAM	COURSE DURATION	TOTAL NUMBER SEATS (GENERAL MERIT)
1	Diploma in CT Technology (DCTT)	One Year	Five (05)
2	Diploma in MRI Technology (DMRIT)	One Year	Five (05)
3	Diploma in Blood Banking and Transfusion (DBBT)	One Year	10 (Ten)
4	Diploma in Ophthalmic Technician (DOT)	Two Years	10 (Ten)
5	Diploma in Dental Technician (DDT)	Two Years	10 (Ten)
6	Diploma in Refractionist Technology (DRT)	Two Years	Five (05)

ELIGIBILITY CRITERIA (Diploma Programs)

- 01) 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 DIPLOMA IN TECHNOLOGY PROGRAMMES.
- 02) The candidate should be permanent Resident of any District of Sindh.
- 03) 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.

RULES OF ADMISSION:

- 1) 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 incase the candidate who is finally declared for provisional selection under District Merit Category, if, he/she leaves/ withdraws from provisional selection or incase 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 vacate seat shall be filled through maintaining of merit as per merit list Self-Finance category.
- 2) The period of 45 days shall be countable from the commencement of classes of 1st year (1st Semester) of Academic Session 2023.
- 3) Incase a seat/(s) fall/(s) vacant within (45) days of the academic year of admission session 2022-2023; the same shall be filled by adopting the aforesaid procedure, any seat falling vacant after period of 45 days, it shall not be filled and same shall stand vacant/ forfeited.
- 4) 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. Institute/ University reserve right to take legal action against the candidate.
- 5) Candidate who is finally selected for admission in BS Degree Program on District Merit/ Self-Finance/ Overseas or any category shall have to pledge, through an affidavit that He/ She shall complete the course of BS Degree Programs. In case He /She leaves the College 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 College of Technology, LUMHS, as a penalty for wasting a precious seat.

BS RADIOLOGY TECHNOLOGY

SCHEME OF STUDIES FOR 4-YEARS BSRT PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	BSRT-411	Biochemistry – I	3+1
	BSR -412	Human Physiology – I	3+1
	BSRT-413	Human Anatomy – I	3+1
	BSRT-414	English – I	2+0
	BSRT-415	Pak Studies	2+0
	BSRT-416	Computer Skills	1+1
		Total	18
SECOND	BSRT-421	Biochemistry – II	3+1
	BSRT-422	Human Physiology – II	3+1
	BSRT-423	Human Anatomy – II	3+1
	BSRT-424	English – II	2+0
	BSRT -425	Islamic Studies	2+0
		Total	16
SECOND PROFESSIONAL YEAR			
THIRD	BSRT-431	Regional And Radiological Anatomy – I	2+1
	BSRT-432	General Radiology	2+1
	BSRT-433	Radiation Sciences and Technology	2+1
	BSRT-434	General Pathology	2+1
	BSRT-435	Clinical Pharmacology	2+1
	BSRT-436	Communication Skills	1+1
		Total	17
FOURTH	BSRT-441	Clinical Medicine – I	1+1
	BSRT-442	Regional And Radiological Anatomy – II	2+1
	BSRT-443	Conventional Radiology Procedures & Clinical Practice	2+2
	BSRT-444	Radiological Positioning & Clinical Practice	2+2
	BSRT-445	Computed & Digital Radiography (Cr & Dr)	1+1
	BSRT-446	Radiobiology & Radiation Protection	1+1
		Total	17
THIRD PROFESSIONAL YEAR			
FIFTH	BSRT-451	Computed Tomography (CT)	2+2
	BSRT-452	Mammography & Special Radiological Techniques	2+1
	BSRT-453	Magnetic Resonance Imaging (MRI)	2+2
	BSRT-454	General Surgery	1+1
	BSRT-455	Interventional Radiology	1+1
	BSRT-456	Clinical Medicine – II	1+1
		Total	17

SIXTH	BSRT-461	Radiological & Cross Sectional Anatomy	2+1
	BSRT-462	Computed Tomography (CT) Procedures & Clinical Practice	2+1
	BSRT-463	Magnetic Resonance Imaging (MRI) Procedures & Clinical Practice	2+1
	BSRT-464	Therapeutic Radiology	2+1
	BSRT-465	Biostatistics	2+1
	BSRT-466	Research Methodology	2+1
		Total	18
FOURTH PROFESSIONAL YEAR			
SEVENTH	BSRT-471	Clinical Sonography	2+2
	BSRT-472	Angiography and Cardiac Imaging	2+2
	BSRT-473	Nuclear Medicine	2+1
	BSRT-474	Echocardiography	1+1
	BSRT-475	Electrocardiography (ECG)	1+1
	BSRT-476	Clinical Pathology & Radiological Presentation	1+1
		Total	17
EIGHTH	BSRT-481	Patient Care & Management	2+0
	BSRT-482	Medical Sociology	2+0
	BSRT-483	Research Project	6+0
		Total	10

TOTAL CREDIT HOURS: 130

BS MEDICAL LABORATORY TECHNOLOGY

SCHEME OF STUDIES FOR 4-YEARS BSMLT PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	BSMLT-311	Anatomy	02 + 1
	BSMLT-312	Biochemistry	03 + 1
	BSMLT-313	Physiology	03 + 1
	BSMLT-314	English Foundation	02+0
	BSMLT-315	Computer Skills	01 +01
	BSMLT-316	Pakistan Studies	02+0
		Total	17
SECOND	BSMLT-321	Clinical Pathology I	03 +03 (Laboratory)
	BSMLT-322	Microbiology I	03 + 02
	BSMLT-323	English II	02+0
	BSMLT-324	Laboratory Mathematics	02+0
	BSMLT-325	ISLAMIAT / Psychological Basic	02+0
		Total	17
SECOND PROFESSIONAL YEAR			
THIRD	BSMLT-331	Clinical Pathology-II	03 +02 (Laboratory)
	BSMLT-332	Microbiology-II	03 + 01
	BSMLT-333	Clinical Chemistry-I	03+02
	BSMLT-334	Clinical Pharmacology	03 + 02
	BSMLT-335	Sociology	02+0
		Total	21
FOURTH	BSMLT-341	Haematology-I	03 +02 (Laboratory)
	BSMLT-342	Histopathology-I	03 + 01
	BSMLT-343	Clinical Chemistry-II	03+02
	BSMLT-345	Microbiology-III	02 + 02
		Total	18
THIRD PROFESSIONAL YEAR			
FIFTH	BSMLT - 351	Quality Assurance	2+1
	BSMLT - 352	Hematology-II	3+1
	BSMLT - 353	Histopathology-II	3+1
	BSMLT - 354	Immunology -I	2+1
	BSMLT - 355	Fundamental of Infection Control	3+1
		Total	18

SIXTH	BSMLT – 361	Immunology-II	3+2
	BSMLT – 362	Immunohematology	3+1
	(BSMLT – 363)	Body fluid analysis	2+1
	(BSMLT – 364)	Clinical Practicum	6+0
		Total	18
FOURTH PROFESSIONAL YEAR			
SEVENTH	BSMLT - 371	Transfusion Medicine	3+2
	BSMLT - 372	Molecular Biology	2+2
	BSMLT - 373	Advances in Medical Laboratory	2+2
	BSMLT - 374	Cytology & Cytogenetics	3+2
		Total	18
EIGHTH	BSMLT - 381	Advance Clinical Pathology	3+1
	(BSMLT - 382)	Health Care Management	3+1
	BSMLT - 383	Research Methodology & Principles	3+1
	BSMLT - 384	Research Project work	8+0
		Total	20

Total number of Credit hours 147

BS FORENSIC SCIENCE IN FORENSIC BIOLOGY SCHEME OF STUDIES FOR 4-YEARS BSFB PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	ENG-300	English	3(3+0)
	FRNSC-310	College Algebra	3(3+0)
	FRNSC-311	Principles of Chemistry	3(3+0)
	FRNSC-312	Human anatomy-I	3(2+1)
	FRNSC-313	Medical Physiology-I	3(2+1)
	FRNSC-314	Information Technology	3(2+1)
		Semester Cr. Hr.	18
SECOND	ENG-301	English II	3(3+0)
	FRNSC-320	Calculus	3(3+0)
	FRNSC-321	Organic Chemistry	3(3+0)
	FRNSC-322	Human anatomy-II	3(2+1)
	FRNSC-323	Medical Physiology-II	3(2+1)
	FRNSC-324	Principles of Forensic Science	3(3+0)
		Semester Cr.Hr	18
SECOND PROFESSIONAL YEAR			
THIRD	IS-402	Islamiyat	2(2+0)
	EB-402	Ethics[1]	
	ENG-400	English III / Communication skills	3(3+0)
	FRNSC-414	Forensic Entomology	3(2+1)
	FRNSC-411	Medical Biochemistry-I	4(3+1)
	FRNSC-412	Human Genetics	3(3+0)
	FRNSC-413	Forensic Psychology	3(3+0)
		Semester Cr. Hr.	18
FOURTH	PS-403	Pakistan Studies	2(2+0)
	FRNSC-420	Forensic Photography	3(3+0)
	FRNSC-425	Immunology	3(3+0)
	FRNSC-421	Medical Biochemistry-II	4(3+1)
	FRNSC-422	Molecular Biology	3(3+0)
	FRNSC-423	Digital Evidence Analysis	3(3+0)
		Semester Cr.Hr	18

THIRD PROFESSIONAL YEAR			
FIFTH	Course #	Subject	Cr.Hr.
	FRNSC-511	Medical Pharmacology-I	3(3+0)
	FRNSC-512	Forensic Serology	3(2+1)
	FRNSC-413	Forensic Science in Court room	3(3+0)
	FRNSC-514	Forensic Anthropology	3(3+0)
	FRNSC-515	Crimanlistics and Crime Scene Investigations	3(3+0)
	FRNSC-517	Environmental Forensics	3(3+0)
		Semester Cr. Hr.	18
SIXTH	Course #	Subject	Cr.Hr.
	FRNSC-521	Medical Pharmacology-II	3(3+0)
	FRNSC-522	Forensic DNA Analysis	3(2+1)
	FRNSC-523	Forensic Medicine	3(2+1)
	FRNSC-524	Firearms and Tool marks Analysis	3(2+1)
	FRNSC-525	Forensic analysis of Fingerprints and Writing	3(2+1)
	FRNSC-527	Biosecurity and Microbial Forensics	3(3+0)
		Semester Cr.Hr	18
FOURTH PROFESSIONAL YEAR			
SEVENTH	Course #	Subject	Cr.Hr.
	FRNSC-610	Principles of toxicology	3(3+0)
	FRNSC-611	Medical jurisprudence	3(2+1)
	FRNSC-612	Forensic Computer Science Investigations	3(3+0)
	FRNSC-613	Ethical and Legal Issues in Forensic Science	3(3+0)
	FRNSC-615	Forensic Pathology	3(3+0)
		Semester Cr. Hr.	15
EIGHTH	Course #	Subject	Cr.Hr.
	FRNSC-620	Forensic Toxicology	3(3+0)
	FRNSC-621	Homicide Scene Investigations	3(3+0)
	FRNSC-622	Biostatistics	3(3+0)
	FRNSC-623	Forensic Quality Management System	1(1+0)
	FRNSC-624	Internship	3+0
		Semester Cr.Hr	13

BS FORENSIC SCIENCE IN FORENSIC CHEMISTRY & TOXICOLOGY

SCHEME OF STUDIES FOR 4-YEARS BSFC&T PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	ENG-300	English	3(3+0)
	FRNSC-310	College Algebra	3(3+0)
	FRNSC-311	Principles of Chemistry	3(3+0)
	FRNSC-312	Human anatomy-I	3(2+1)
	FRNSC-313	Medical Physiology-I	3(2+1)
	FRNSC-314	Information Technology	3(2+1)
		Semester Cr. Hr.	18
SECOND	ENG-301	English II	3(3+0)
	FRNSC-320	Calculus	3(3+0)
	FRNSC-321	Organic Chemistry	3(3+0)
	FRNSC-322	Human anatomy-II	3(2+1)
	FRNSC-323	Medical Physiology-II	3(2+1)
	FRNSC-324	Principles of Forensic Science	3(3+0)
		Semester Cr.Hr	18
SECOND PROFESSIONAL YEAR			
THIRD	IS-402	Islamiyat	2(2+0)
	EB-402	Ethics[1]	
	ENG-400	English III / Communication skills	3(3+0)
	FRNSC-410	Physical Chemistry	3(3+0)
	FRNSC-411	Medical Biochemistry-I	4(3+1)
	FRNSC-412	Human Genetics	3(3+0)
	FRNSC-413	Forensic Psychology	3(3+0)
		Semester Cr. Hr.	18
FOURTH	PS-403	Pakistan Studies	2(2+0)
	FRNSC-420	Forensic Photography	3(3+0)
	FRNSC-424	Analytical Chemistry	3(3+0)
	FRNSC-421	Medical Biochemistry-II	4(3+1)
	FRNSC-422	Molecular Biology	3(3+0)
	FRNSC-423	Digital Evidence Analysis	3(3+0)
		Semester Cr.Hr	18
THIRD PROFESSIONAL YEAR			
FIFTH	FRNSC-511	Medical Pharmacology-I	3(3+0)
	FRNSC-512	Forensic Serology	3(2+1)
	FRNSC-513	Forensic Science in Court room	3(3+0)
	FRNSC-514	Forensic Anthropology	3(3+0)
	FRNSC-515	Crimanlistics and Crime Scene Investigations	3(3+0)
	FRNSC-516	Instrumental Analysis	3(2+1)
		Semester Cr. Hr.	18

SIXTH	FRNSC-521	Medical Pharmacology-II	3(3+0)
	FRNSC-522	Forensic DNA Analysis	3(2+1)
	FRNSC-523	Forensic Medicine	3(2+1)
	FRNSC-524	Firearms and Tool marks Analysis	3(2+1)
	FRNSC-525	Forensic analysis of Fingerprints and Writing	3(2+1)
	FRNSC-526	Forensic analytical Chemistry	3(2+1)
		Semester Cr.Hr	18
FOURTH PROFESSIONAL YEAR			
SEVENTH	FRNSC-610	Principles of toxicology	3(3+0)
	FRNSC-611	Medical jurisprudence	3(2+1)
	FRNSC-612	Forensic Computer Science Investigations	3(3+0)
	FRNSC-613	Ethical and Legal Issues in Forensic Science	3(3+0)
	FRNSC-614	Spectrometric Identification of Toxicants	3(3+0)
		Semester Cr. Hr.	15
EIGHTH	FRNSC-620	Forensic Toxicology	3(3+0)
	FRNSC-621	Homicide Scene Investigations	3(3+0)
	FRNSC-622	Biostatistics	3(3+0)
	FRNSC-623	Forensic Quality Management System	1(1+0)
	FRNSC-624	Internship	3+0
		Semester Cr.Hr	13

ASSOCIATE IN APPLIED SCIENCE IN RADIOLOGIC TECHNOLOGY
SCHEME OF STUDIES FOR 02-YEARS AASRT PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	AASRT-811	Biochemistry	2+1
	AASRT -812	Human Physiology	2+1
	AASRT -813	Human Anatomy	3+1
	AASRT-814	English I (English Composition & Comprehension)	2+0
	AASRT-815	Computer Skills	1+1
	AASRT-816	Medical Imaging Physics I	2+1
		Total	17
SECOND	AASRT-821	Pakistan Studies	2+0
	AASRT-822	Mathematics & Statistics	2+0
	AASRT-823	Medical Imaging Physics– II	2+1
	AASRT-824	English II (Communication/Presentation skills)	2+1
	AASRT-825	Regional And Radiological Anatomy – I	2+1
	AASRT - 826	Principles and Procedures of Rad Tech I	2+2
		Total	17
SECOND PROFESSIONAL YEAR			
THIRD	AASRT-831	Regional And Radiological Anatomy – II	2+1
	AASRT-832	Islamic Studies/Sociology	2+0
	AASRT-833	Principles and Procedures of Rad Tech II	2+2
	AASRT-834	General Pathology	3+1
	AASRT-835	Clinical Pharmacology	2+1
	AASRT-836	Radiobiology & Radiation Protection	1+1
		Total	18
FOURTH	AASRT-841	Sectional Anatomy for Imaging	2+1
	AASRT-842	Radiologic Special Procedures & Clinical Practice	1+2
	AASRT-843	Computed & Digital Radiography (Cr & Dr)	1+1
	AASRT-844	Computed Tomography Procedures & Clinical Practice	1+2
	AASRT-845	Nuclear Medicine	1+2
		Total	14

TOTAL CR.HR: = 66

DIPLOMA IN CT TECHNOLOGY
SCHEME OF STUDIES FOR 01-YEAR DCTT PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	DIPCT-211	General anatomy for imaging	2 + 1
	DIPCT-212	English – I	2 + 0
	DIPCT-213	Computer Skills	1 + 1
	DIPCT-214	CT procedure / Patient Care I	2 + 3
	DIPCT-215	CT Physics I	2 + 2
		Semester Cr.Hr	16
SECOND	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 Cr.Hr	13

TOTAL CREDIT HOURS: 29 hr.'s

DIPLOMA IN BLOOD BANKING & TRANSFUSION
SCHEME OF STUDIES FOR 01-YEAR DBBT PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	DBT - 711	Blood Banking 1	03 + 04
	BBE - 712	English	2 + 0
	BBCS- 713	Computer Skill	1 + 1
		TOTAL CR. HRS	11
SECOND	DBT - 721	Blood Banking II	4 + 6
		TOTAL CR. HRS	10

TOTAL CREDIT HOURS: 21 hr.'s

DIPLOMA IN MRI TECHNOLOGY

SCHEME OF STUDIES FOR 01-YEAR DMRIT PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	DIPMRI-311	General Anatomy for Imaging	2 + 1
	DIPMRI-312	English – I	2+0
	DIPMRI-313	Computer Skills	1 + 1
	DIPMRI-314	MRI procedure / Patient care I	2+ 3
	DIPMRI-315	MRI Physics I	2 + 2
		TOTAL CR. HRS	16
	DIPMRI-321	MRI Physics II	2 + 2
SECOND	DIPMRI-322	English – II	2+0
	DIPMRI-323	Cross Sectional Anatomy for Imaging	2 +0
	DIPMRI-324	MRI procedure / Patient care II	2 + 3
		TOTAL CR. HRS	13

TOTAL CREDIT HOURS: 29 hr.'s

DIPLOMA IN DENTAL TECHNICIAN

SCHEME OF STUDIES FOR 02-YEARS DDT PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	DDT- 511	Dental Material	02 + 02
	DDT- 512	Physiology	02 + 1
	DDT- 513	Anatomy	02 + 01
	DDT- 514	Microbiology & Cross Infection Control	02 + 01
	DDT- 515	English	02+0
	DDT- 516	Computer Skills	01+01
		Total	17
SECOND	DDT- 521	Removable Prosthodontics (Partial Denture)	03+03 (Laboratory)
	DDT- 522	Introduction of Dental Anatomy	04 + 0
	DDT- 523	Basic Dental Technology	02 + 0
	(DDT- 524)	Sterilization and Disinfection	0 + 02
	DDT- 525	ISLAMIAT	02 + 0
		Total	16

SECOND PROFESSIONAL YEAR			
THIRD	DDT- 531	Lab Management Skills	02+0
	DDT- 532	Removable Prosthodontics (Complete Denture)	03+03 (Laboratory)
	DDT- 533	Orthodontic Appliances	02+02 (Laboratory)
	DDT- 534	Conservation Technology	02+0
	DDT- 535	Occlusion to Dental Laboratory procedures	02+0
		Total	16
FOURTH	DDT- 541	Maxillofacial Prosthodontics	0 + 02
	DDT- 542	Implant Prosthodontics	02 + 0
	DDT- 543	Fixed Prosthodontics	02+ 03
	DDT-544	Ceramic Lab	0 + 5
	DDT- 545	Advances in Dental Technology	0 + 02
		Total	16

TOTAL CREDIT Hours = 65

DIPLOMA IN OPHTHALMIC TECHNICIAN

SCHEME OF STUDIES FOR 02-YEARS DOT PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
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
		Total	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
		Total	12
SECOND PROFESSIONAL YEAR			
THIRD	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
		Total	13
FOURTH	DOT- 241	Sterilization (Viva Only)	0+4
	DOT- 242	Ocular Surgical Procedures	2 + 2
	DOT- 243	Optic and Refraction III (Viva only)	0 + 4
		Total	12

TOTAL CREDIT Hours = 57

DIPLOMA IN REFRACTIONIST TECHNOLOGY

SCHEME OF STUDIES FOR 02-YEARS DRT PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
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
		Total	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
		Total	12
SECOND PROFESSIONAL YEAR			
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
		Total	13
FOURTH	DRT- 641	Practical Refraction	2+2
	DRT- 642	Surgical Procedures in Refraction	2+2
		Total	08

TOTAL CREDIT Hours = 53

FEES STRUCTURE FOR FOUR YEARS BS PROGRAMS 2022-2023

(BS RADIOLOGIC TECHNOLOGY, BS MEDICAL LABORATORY TECHNOLOGY)

MERIT BASIS

Year	Semester	Admission Fee	Tuition Fee	Transport Fee	Security Deposit (Refundable)	Documents Verification Fee	Total
1ST	1st	5000	42500	10000	10000	1800	69300
	2nd	0	42500	0	0	0	42500
2ND	3rd	0	42500	10000	0	0	52500
	4th	0	42500	0	0	0	42500
3RD	5th	0	42500	10000	0	0	52500
	6th	0	42500	0	0	0	42500
4TH	7th	0	42500	10000	0	0	52500
	8th	0	42500	0	0	0	42500

G. Total	396800
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FEES STRUCTURE FOR TWO YEARS PROGRAMS 2022-2023

ASSOCIATE IN APPLIED SCIENCES IN RADIOLOGIC TECHNOLOGY (AASRT)

Year	Semester	Admission Fee	Tuition Fee	Transport Fee	Security Deposit (Refundable)	Documents Verification Fee	Total
1ST	1st	5000	27500	10000	10000	1800	54300
	2nd	0	27500	0	0	0	27500
2ND	3rd	0	27500	10000	0	0	37500
	4th	0	27500	0	0	0	27500

G.Total	146800
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FEES STRUCTURE FOR FOUR YEARS BS PROGRAMS 2022-2023

(BS Forensic Science in Forensic Biology, BS Forensic Science in Forensic Chemistry & Toxicology)

On Merit

Year	Semester	Admission Fee	Tuition Fee	Transport Fee	Security Deposit (Refundable)	Documents Verification Fee	Total
1ST	1st	16000	60000	10000	15000	1800	102800
	2nd	0	60000	0	0	0	60000
2ND	3rd	0	60000	10000	0	0	70000
	4th	0	60000	0	0	0	60000
3RD	5th	0	60000	10000	0	0	70000
	6th	0	60000	0	0	0	60000
4TH	7th	0	60000	10000	0	0	70000
	8th	0	60000	0	0	0	60000

G.Total	552800
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FEES STRUCTURE FOR FOUR YEARS BS PROGRAMS 2022-2023

(BS RADIOLOGIC TECHNOLOGY, BS MEDICAL LABORATORY TECHNOLOGY)

Self-Finance:

Year	Semester	Admission Fee	Tuition Fee	Transport Fee	Security Deposit (Refundable)	Documents Verification Fee	Total
1ST	1st	10000	80000	10000	10000	1800	111800
	2nd	0	80000	0	0	0	80000
2ND	3rd	0	80000	10000	0	0	90000
	4th	0	80000	0	0	0	80000
3RD	5th	0	80000	10000	0	0	90000
	6th	0	80000	0	0	0	80000
4TH	7th	0	80000	10000	0	0	90000
	8th	0	80000	0	0	0	80000

G. Total	701800
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FEES STRUCTURE FOR FOUR YEARS BS PROGRAMS 2022-2023

(BS Forensic Science in Forensic Biology, BS Forensic Science in Forensic Chemistry & Toxicology)

UEAP /Self Finance:

Year	Semester	Admission Fee	Tuition Fee	Security Deposit (Refundable)	Total
1ST	1st	16000	125000	15000	156000
	2nd	0	125000	0	125000
2ND	3rd	0	125000	0	125000
	4th	0	125000	0	125000
3RD	5th	0	125000	0	125000
	6th	0	125000	0	125000
4TH	7th	0	125000	0	125000
	8th	0	125000	0	125000

G.Total**1031000****FEES STRUCTURE FOR FOUR YEARS BS PROGRAMS 2022-2023**

(BS Forensic Science in Forensic Biology, BS Forensic Science in Forensic Chemistry & Toxicology)

Overseas Category:

Year	Semester	Admission Fee	Tuition Fee	Security Deposit (Refundable)	Total
1ST	1st	US\$500	US\$ 2,500	US\$100	US\$3,100
	2nd	0	US\$ 2,500	0	US\$ 2,500
2ND	3rd	0	US\$ 2,500	0	US\$ 2,500
	4th	0	US\$ 2,500	0	US\$ 2,500
3RD	5th	0	US\$ 2,500	0	US\$ 2,500
	6th	0	US\$ 2,500	0	US\$ 2,500
4TH	7th	0	US\$ 2,500	0	US\$ 2,500
	8th	0	US\$ 2,500	0	US\$ 2,500

G.Total**US\$20,600**

FEES STRUCTURE FOR TWO YEARS DIPLOMA PROGRAMS

(Diploma in Ophthalmic Technician, Diploma in Dental Technician, Diploma in Refractionist)

S. No	Description	Semester			
		I	II	III	IV
1	Admission Fees	5000	0	0	0
3	Tuition Fee	27500	27500	27500	27500
4	Transport Fee	10000	0	10000	0
5	Security Deposit (Refundable)	10000	0	0	0
6	Documents Verification Fees	1800	0	0	0
TOTAL		54300	27500	37500	27500
				G.Total	146800

FEES STRUCTURE FOR ONE YEARS DIPLOMA PROGRAMS

(Diploma in CT Technology, Diploma in MRI Technology, Diploma in Blood Banking and Transfusion)

S.No	Description	Semester	
		I	II
1	Admission Fees	5000	0
3	Tuition Fee	27500	27500
4	Transport Fee	10000	0
5	Security Deposit (Refundable)	10000	0
6	Documents Verification Fees	1800	0
TOTAL		54300	27500
		G.Total	81800

FEE RULES:

Once fee paid shall not be refunded, if, provisional selection made in the course of BS Degree Programs under any admission category i.e. District Merit/ Self-Finance/ Overseas is cancelled up to 45 days, fee which is paid by the candidate shall be refunded.

After 45 days or closing of admission process, if, a candidate leaves/ withdraws from the admission/ studies of BS Degree Programs (BSRT,BSFCT,BSFB, BSFCT and AASRT) for any reason, He/ She will submit a Pay Order/ Demand Draft of **Rs.100, 000/- (Rupees One Hundred Thousand only)** payable to the College of Technology LUMHS Jamshoro as a penalty for wasting of precious seat.

BS RADIOLOGIC TECHNOLOGY

AIMS:

Bachelor of Science in Radiologic Technology (**BSRadTech**) is a four year degree program designed to train students how to operate medical imaging equipment such as X-rays, CT scanners, MRIs, sonogram machines, and 3D medical imaging programs among other computer and web-based software programs. Students are also taught how to perform associated clerical duties, including scheduling and maintaining paperwork for office and clinical machinery.

FRAME WORK FOR BS Radiologic Technology (4 YEAR PROGRAMME)

- ✓ Total number of Credit hours 130
- ✓ Duration 4 years
- ✓ Semester duration 16-18 weeks
- ✓ Semesters 8
- ✓ Course Load per Semester 15-18 Credit hours
- ✓ Numbers of courses per semester 4-6



COLOUR DOPPLER US

CT SCAN



BS MEDICAL LABORATORY TECHNOLOGY

INTRODUCTION:

AIMS

Bachelor of Science in Medical Laboratory Technology (BSMLT) is a four years 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.

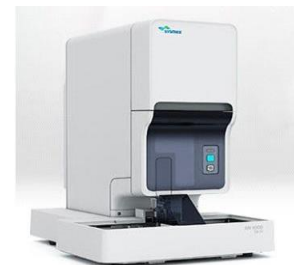
FRAME WORK FOR BS MEDICAL LABORATORY TECHNOLOGY (4 YEAR PROGRAMME)

- ✓ Total number of Credit hours 24
- ✓ Duration 4 years
- ✓ Semester duration 16-18 weeks
- ✓ Semester 8
- ✓ Course Load per Semester 15-18 Credit hours
- ✓ Number of Courses per semester 4-6



PHLEBOTOMY

CBC ANALYZER



Culture Plates in Microbiology



Fresh Frozen Plasma

FORENSIC SCIENCE PROGRAMS

B.S. (Four Year/Eight Semester Program)

IN

1. B.S in FORENSIC BIOLOGY 2. B.S in FORENSIC CHEMISTRY & TOXICOLOGY

1. Introduction

1.1 Forensic Science

Forensic Science is all about preservation and analysis of scientific evidence collected from the crime scene for the investigation purpose. Experts of forensic science visit the crime scene immediately for collecting the scientific evidences, and then they analyze the collected evidences in forensic labs. Forensic Science has close relation with Biology, Chemistry, Information Technology, Criminology, Bio-medical Engineering, Law and Medical fields. Although it has close connection with law and investigation but basically it is a kind of applied medical science. Forensic expert must have good knowledge about the local criminal laws. Police, investigation and law enforcement agencies cannot go forward in many criminal cases without their help. Sometimes they have to appear in court as witness and opponent lawyers reserve the right to cross examine them. So they must have good knowledge about their field and convincing arguments in defense of their reports.

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

2. Standardized Format for BS (4-Year) in Forensic Science

FRAME WORK FOR BS IN FORENSIC SCIENCE (4 YEAR PROGRAMME)

(As per HEC National Qualifications Framework of Pakistan 2015)

✓ Total numbers of Credit hours	124-140
✓ Duration	4 years (8 Semesters)
✓ Semester duration	16-18 weeks
✓ Semesters	08
✓ Course Load per Semester	15-18 Cr hr
✓ Number of courses per semester	4-6 (not more than 3 lab / Practical courses)



ASSOCIATE OF APPLIED SCIENCE (AAS) DEGREE IN RADIOLOGIC TECHNOLOGY:

- ✓ Well-structured degree program equivalent to BSC to be conducted over four regular semesters over a two years period consisting of 69 credit hours.

Our Mission:

The Radiologic Science Program prepares students to practice competently and effectively as medical imaging professionals in diverse healthcare environments with awareness of global health issues. The academic and clinical foundation in the curriculum develops graduates with professional flexibility and adaptability to assume prominent roles and responsibilities after graduation in both career and scholarly pursuits.

Goals:

Develop competent, effective, medical imaging professionals;

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

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:

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

STUDENT OUTCOMES

Graduates completing the program will:

- ✓ Competently perform CT procedures to obtain diagnostic images.
- ✓ Provide appropriate patient care to CT patients.
- ✓ Demonstrate ALARA principles to ensure radiation safety.
- ✓ Communicate professionally with patients and members of the healthcare team.
- ✓ Perform and monitor quality assurance tests.
 - Emphasizes the principles of exposure, image quality, patient care, radiation safety and other associated professional skills.
 - Placement of clinical assignment is by program coordinator.

DIPLOMA IN MRI TECHNOLOGY

INTRODUCTION:

One year Diploma in MRI technology leading to MRI 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 MRI scans independently. The curriculum is at par with the international standard.

Goals:

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

STUDENT OUTCOMES

- ✓ Graduates completing the program will:
- ✓ Competently perform MRI procedures to obtain diagnostic images.
- ✓ Provide appropriate patient care to MRI patients.
- ✓ Communicate professionally with patients and members of the healthcare team.
- ✓ Perform and monitor quality assurance tests. .

DIPLOMA IN BLOOD BANKING AND TRANSFUSION

INTRODUCTION

This program is intended for students who are willing to pursue their career in Blood Banking 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 Banking techniques.

ABOUT THIS PROGRAM

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

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.



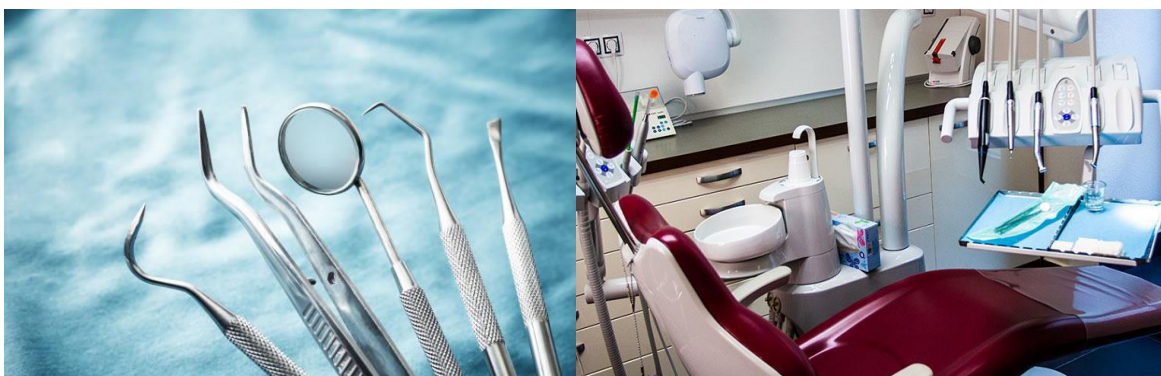
DIPLOMA IN DENTAL TECHNICIAN

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.



FINAL MESSAGE

COLLEGE OF TECHNOLOGY, LUMHS endeavors to promote distinctive, world-class academics in Medical technology. It also strive to cultivate students global competence by developing in each of them a high level of expertise and refined sensibilities needed to tackle the challenges of the 21st Century while playing an active role in a wide range of fields throughout the world. We strive hard for the fulfillment of this mission and help in improving overall healthcare through quality Diagnostic Services and Academics.

AFFIDAVIT**(TO BE TYPED ON STAMP PAPER OF RS. 100/=)**

I, _____ S/o,D/o _____
 Muslim ☐ / Non-Muslim ☐ adult, R/o _____
 _____ a candidate for admission in 1st year College
 of Technology for academic session 2022-23 do hereby state on solemn affirmation / oath as under:

1. 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.
2. That, if, I am allowed admission in College of Technology 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.
3. 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.
4. 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-Finance/ Overseas category in 1st year(s) Degree & Diploma Program of _____, I shall complete the Course of Degree / Diploma Program of _____ year(s) containing _____ semesters. However, in case, I leave the College of Technology, LUMHS Jamshoro before completion of the Course, I shall be liable to penalty of Rs. 100,000/- (Rupees one Hundred Thousand) only payable through Pay Order/Demand Draft in favour to College of Technology), LUMHS Jamshoro.
5. That, I also undertake not to involve myself in any kind of Political Activity throughout tenure in this college 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.
6. 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 / Diploma Program is indicated in the Application Form.
7. That, whatever is stated above is true & correct to the best of my knowledge & belief.

Signature of the Deponent**C.N.I.C.NO.**

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

A D V O C A T E

Solemnly affirmed on oath this day of 2022 at by deponent named above who is identified to me by Mr./ Ms. Advocate whom I know. The contents were first truly & audibly read over & explained to the deponent in language who appears to have understood the same & put his / her signature in my presence.

Attestation**1st Class Magistrate**

**MEDICAL RESEARCH CENTRE
LUMHS JAMSHORO**



**BACHELOR OF SCIENCES (BS) IN
MOLECULAR BIOLOGY & GENETICS
(4 YEARS PROGRAM)**

SESSION – 2022-2023



Department of Molecular Biology &
Genetics, Medical Research Centre,
Liaquat University of Medical & Health
Sciences, Jamshoro



Introduction

Molecular biology & Genetics is a rapidly developing field of biological sciences that involves the study of organisms on a cellular and molecular level. It has many important applications such as biomedical sciences, molecular medicine, disease prevention and treatment, generation of new protein products, and manipulation of plants and animals for desired phenotypic traits. The study of living things at molecular and genetic levels have undergone tremendous development and expansion in the last two-three decades, and as a result undergraduate education in topics such as molecular cell biology, molecular genetics and genomics are becoming of higher interest.

Genetics and Molecular Biology program at LUMHS offers a Bachelor of Science degree upon completion of a 4-year curriculum taught in English. Students will be mainly educated in molecular biology and various fields of genetics that are designed to train students for post graduates studies in the related fields. In addition, optional courses include other fields of biology such as immunology, Physiology, Microbiology, Pharmacology, Epidemiology and Bioinformatics.

**Goal:**

Students will be introduced to general and foundation courses of Genetics and Molecular biology. The specialized courses provide in-depth knowledge in various aspects of genetics and molecular biology, both in theory and in practice through laboratory experience. Students will also be offered several elective options in order to further develop themselves according to their own interests, such as in fields of Stem cells, Gene Therapy, Forensic Biology and Endocrinology.

Students of the Genetics and Molecular Biology program will benefit from the state of the art laboratories of LUMHS, computer and audio-visual technology facilities, University library to follow the latest developments in the biological sciences and other relevant fields. Students of the program will be offered the opportunity to take part in projects carried out by the department academic staff. This will enhance their ability to understand the genomics revolution that is changing the face of all biological and biomedical areas of the science.

Objectives:

The objectives of 4 years BS in Genetics and Molecular Biology are:

- To provide students with a solid foundation through coursework and practical training.
- To develop skilled human resource with basic understanding of the subject of molecular biology and fundamentals of classical as well as modern molecular genetics.

Career Opportunities

Following the successful completion of the 4-year undergraduate studies, program graduates will receive a Bachelor of Science (B.S.) degree in Genetic and Molecular Biology. Upon receiving this degree, graduates will have the necessary foundation for further education in post-graduate programs. In addition graduates will have the opportunity to find employment in variety of fields including teaching, clinical genetics, bioinformatics, pharmaceutical and biotechnology industries, private diagnostic laboratories and research institutes.



Lead Faculty



Prof. Dr. Ali Muhammad Waryah (M.Phil., Ph.D.)
Incharge
Professor
Department of Molecular Biology & Genetics
Liaquat University of Medical & Health Sciences,
Jamshoro, Pakistan



Prof. Dr. Binafsha Manzoor Syed, Ph.D
Professor
Department of Clinical Research
Liaquat University of Medical & Health Sciences,
Jamshoro



Dr. Mahesh Kuman (MBBS, Ph.D.)
Assistant Professor
Department of Molecular Biology & Genetics
Liaquat University of Medical & Health Sciences,
Jamshoro, Pakistan



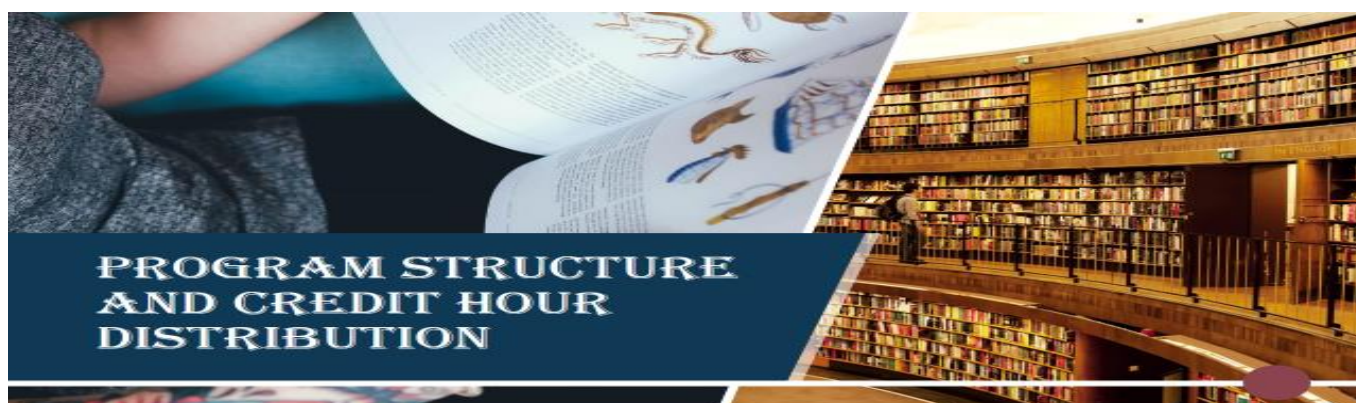
Dr. Shakeel Ahmed Shaikh (MBBS, Ph.D.)
Associate Professor,
Department of Molecular Biology & Genetics
Liaquat University of Medical & Health Sciences,
Jamshoro, Pakistan



Dr. Zainab Manzoor (Ph.D)
Department of Molecular Biology & Genetics
Liaquat University of Medical & Health Sciences,
Jamshoro, Pakistan



Dr. Hina Shaikh (Ph.D)
Department of Molecular Biology & Genetics
Liaquat University of Medical & Health Sciences,
Jamshoro, Pakistan



Sr.	Courses	No of courses	Cr. Hr.
1	Compulsory courses	09	25
2	General courses	09	27
3	Discipline specifies courses	10	30
4	Major courses	13	42
5	Elective within the Major	04	12
	Total	45	136

(iv) Scheme of Studies for BS Molecular Biology & Genetics (4 Years Programme)

Semester / Year	COURSE	Course Code	Subject	Credits
First	Compulsory I	MBG101	English-I(Functional English)	03
	Compulsory II	MBG102	Pakistan Studies	02
	Compulsory III	MBG103	Mathematics	03
	General I	MBG104	Biochemistry-I	2+1
	General II	MBG105	Human Physiology-I	2+1
	Foundation-I	MBG106	Molecular Biology-I	2+1
TOTAL				17

Second	Compulsory IV	MBG201	English-II (communication English)	03
	Compulsory V	MBG202	Islamic Studies	02
	Compulsory VI	MBG203	Biostatistics	03
	General III	MBG204	Biochemistry-II	2+1
	General-IV	MBG205	Human Physiology-II	03
	Foundation-II	MBG206	Molecular Biology II	03
				17
Third	Compulsory VII	MBG301	Introduction to Computer Sciences	03
	Compulsory VIII	MBG302	English-III (Technical Writing and Presentation Skills)	03
	General-V	MBG303	Cell Biology	2+1
	General-VI	MBG304	Basic Microbiology	2+1
	Foundation-III	MBG305	Essentials of Genetics	2+1
	Foundation-IV	MBG306	Biotechnology	2+1
				18
Fourth	Compulsory XI	MBG401	English-IV/Foreign Language Univ. Optional	2+1
	General-VII	MBG402	Basic Immunology	2+1
	General-VIII	MBG403	Basic Epidemiology	2+1
	Foundation-V	MBG404	Human Genetics and Chromosomal Disorders	2+1
	Foundation-VI	MBG405	DNA Damage and Repair	2+1
	Foundation-VII	MBG406	Biosafety and Risk Management	2+1
				18
Fifth	General-XI	MBG501	Molecular Pharmacology	2+1
	Foundation-VIII	MBG502	Cancer Biology	2+1
	Foundation-IX	MBG503	Cell & Tissue Culture	2+1
	Major- I	MBG504	Epigenetics	2+1
	Major- II	MBG505	Cell Signalling	3+0
	Major- III	MBG506	Immunogenetics	2+1
				18
Sixth	Foundation- X	MBG601	Bioinformatics	1+2
	Major- IV	MBG602	Genomics	2+1
	Major- V	MBG603	Molecular Virology	2+1
	Major- VI	MBG604	Bio Molecule Diagnostics	2+1
	Major- VII	MBG605	Molecule to the Market	3.0
	Major-VIII	MBG606	Recombinant DNA Technology	2+1
				18

Seventh	Major- IX	MBG701	Genetically Modified Organisms	2+1
	Major- X	MBG702	Proteomics	2+1
	Major-XIII	MBG703	Bionanotechnology	2+1
	Elective-I	MBG704	Molecular Toxicology	2+1
	Elective-III	MBG705	Vaccinology	2+1
				15
Eighth	Major- XI	MBG801	Stem Cell and Gene Therapy	2+1
	Major-XII	MBG802	Transcriptomics	2+1
	Elective- III	MBG803	Forensic Biology	203
	Elective-IV	MBG804	Plan Molecular Genetics	2+1
	Major-XIII	MBG805	Research Project / Internship	2+1
				15
Total Credit Hours				136



ALLOCATION OF ADMISSIONS SEATS

S #:	NAME OF DISTRICT	ADMISSIONS CATEGORIES			TOTAL SEATS
		DISTRICT MERIT	SELF-FINANCE	OVERSEAS	
1.	Hyderabad	05	12	03	Fifty (50) Seats
2.	Jamshoro	04			
3.	Dadu	02			
4.	Mirpurkhas	02			
5.	Badin	01			
6.	Matiari	01			
7.	Sanghar	01			
8.	Shaheed Benazirabad	01			
9.	Tando Muhammad Khan	01			
10.	Tando Allahyar	01			
11.	Thatta	01			
12.	Sujawal	01			
13.	Khairpur Mirs	01			
14.	Tharparkar	01			
15.	Umerkot	01			
16.	Jacobabad	01			
17.	Larkana	01			
18.	Naushahro Feroz	01			
19.	Shikarpur	01			
20.	Sukkur	01			
21.	Ghotki	01			
22.	Kashmore @ Kandhkot	01			
23.	Qamber @ Shahdadkot	01			
24.	Karachi	03			
TOTAL		35	12	03	50
NOTE: UNIVERSITY RESERVES THE RIGHTS TO CHANGE ALLOCATED SEATS					



Fees Structure

Fees Structure for Merit

Year	Semester	Admission Fee	Tuition Fee	Transport fee	Total Per Year
1 st	1 st	16,000	50000	10000	126,000
	2 nd	-	50000		
2 nd	3 rd	-	50000	10000	110,000
	4 th	-	50000		
3 rd	5 th	-	50000	10000	110,000
	6 th	-	50000		
4 th	7 th	-	50000	10000	110,000
	8 th	-	50000		

Fees Structure for Self Finance

Year	Semester	Admission Fee	Tuition Fee	Transport fee	Total Per Year
1 st	1 st	16,000	75,000	10000	176,000
	2 nd	-	75,000		
2 nd	3 rd	-	75,000	10000	160,000
	4 th	-	75,000		
3 rd	5 th	-	75,000	10000	160,000
	6 th	-	75,000		
4 th	7 th	-	75,000	10000	160,000
	8 th	-	75,000		

Fees Structure for Overseas

Year	Semester	Admission Fee	Tuition Fee		Total Per Year
1 st	1 st	US\$ 800/-	US\$ 1500/-		
	2 nd	-	US\$ 1500/-		US\$ 3800/-
2 nd	3 rd	-	US\$ 1500/-		
	4 th	-	US\$ 1500/-		US\$ 3000/-
3 rd	5 th	-	US\$ 1500/-		
	6 th	-	US\$ 1500/-		US\$ 3000/-
4 th	7 th	-	US\$ 1500/-		
	8 th	-	US\$ 1500/-		US\$ 3000/-

Note:

- I. 5% Advanced Tax will be applicable as per Govt. Rules only for(self finance)
- II. Security Deposit (Refundable) Rs.15,000 will be charged (Once only) at the time admission in first year in all programs
- III. Document Verification Fees Rs.1800 will be applicable (Once only) at the time of admission in first year in all programs.
- IV. RFID charges Rs.1,000 will be applicable (Once only) at the time of admission.

ELIGIBILITY FOR ADMISSION IN BS. MOLECULAR BIOLOGY & GENETICS

The admission in the course of BS Molecular Biology & genetics will be purely on merit basis.

- 01) Those candidates who have been passed the Higher Secondary School Certificate (HSC) Examination (Pre-Medical Group) 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 Molecular Biology & genetics
- 02) The Candidate should be permanent Resident of any District of Sindh.
- 03) The overseas candidates will be enrolled as per university & HEC rules & regulations.

MESSAGE



I am extremely pleased to have this opportunity to introduce you to the Department of Diagnostic & Research Institute of Gastroenterology & Hepatology at LUMHS, Jamshoro. It will serve as a teaching department for the people of Sindh.

Department of Diagnostic & Research Institute of Gastroenterology & Hepatology, Liaquat University of Medical & Health Sciences is one of newly Established advance Institute of undergraduate and postgraduate studies in Pakistan, affiliated with the Liaquat University Hospital Jamshoro/Hyderabad. This hospital has large number of specialists, consultants and academicians which are providing extensive and excellent services in terms of research, academics and community health care to masses.

The Institute was established in 2017 as Diagnostic & Research Institute of Gastroenterology & Hepatology at Liaquat University of Medical & Health Sciences, Jamshoro. Currently, the Institutes comprises teaching rooms with latest Endoscopy suite, seminar rooms, laboratory, research facilities, library and research-integrated OPD clinics.

The institute is affiliated with CPSP for CPSP training in the sub-specialty of Gastroenterology. This institute has highly qualified faculty members which are working very hard to facilitate Postgraduate and Undergraduate Students.

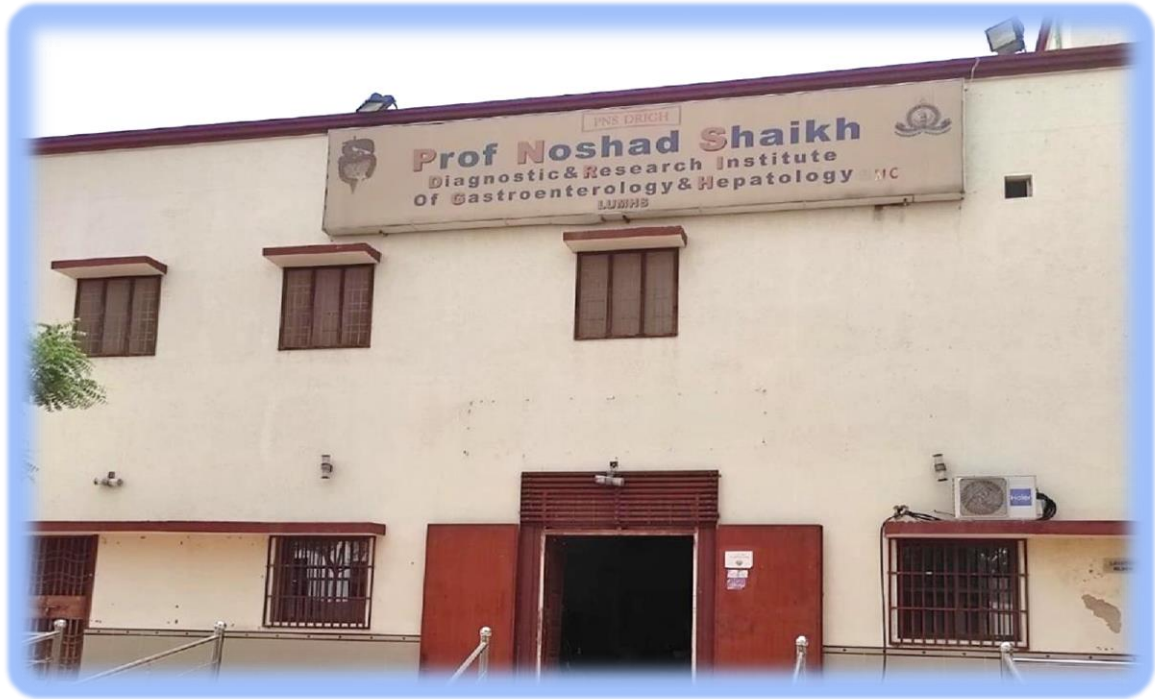
The Department of Diagnostic & Research Institute of Gastroenterology & Hepatology, Liaquat University of Medical & Health Sciences Jamshoro is struggling hard for commencement of MD Gastroenterology Course, developing 50 bedded ward and establishment of liver transplant unit.

The Diagnostic & Research Institute of Gastroenterology & Hepatology offers a friendly environment for Diploma in Endoscopy training. I hope you will join our academic community and I look forward to welcoming you.

DR. MUHAMMAD AKRAM BAJWA
ASSOCIATE PROFESSOR / INCHARGE
PNS-DRIGH LUMHS, JAMSHORO



**DIAGNOSTIC & RESEARCH INSTITUTE OF
GASTROENTEROLOGY AND HEPATOLOGY
LIAQUAT UNIVERSITY OF MEDICAL
& HEALTH SCIENCES, JAMSHORO**



FACULTY MEMBERS:

- **DR. MUHAMMAD AKRAM BAJWA**
Associate Professor
MBBS, MD (Gastroenterology) PhD (Gastroenterology)
- **DR. RIAZ HUSSAIN AWAN**
Associate Professor
MBBS FCPS, (Gastroenterology)
- **DR. NAND LAL SEERANI**
Assistant Professor
MBBS FCPS, (Gastroenterology)

AIMS AND OBJECTION OF THE COURSE

ENDOSCOPY TECHNICIAN

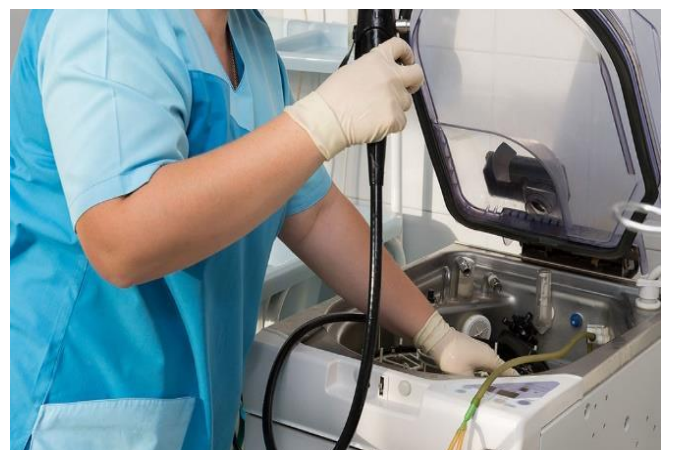
AIMS

Endoscopy Technician (ET) is a 02 years diploma program designed to train students how to operate endoscopy devices, use of accessories and cleansing and washing of all endoscopic devices.

FRAME WORK FOR ENDOSCOPY

TWO YEARS PROGRAM

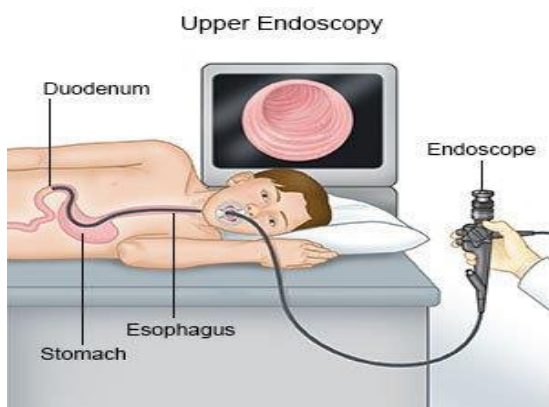
- ❑ Total Number of credit hours 80
- ❑ Duration two years
- ❑ Semester duration 24 weeks
- ❑ Semester 04
- ❑ Course Load per semester 20 credits
- ❑ Number of Courses per semester 04



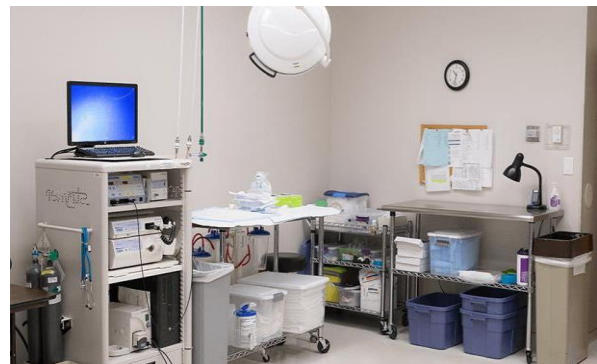
ENDOSCOPY TECHNICIAN

Endoscopy technician is a two years diploma program is directed towards medical endoscopy technician 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 endoscopy technician in endoscopy suite 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 skills and further to produce high quality Professionals for organizations in various specialized and emerging area.

Upper GI Endoscopy



Endoscopy Suite



WASHING AREA



ERCP



ENDOSCOPY TECHNICIAN PROGRAM GET (TWO YEAR/FOUR SEMESTER PROGRAM)

INTRODUCTION

ENDOSCOPY TECHNICIAN

Our program offers a concentration in Endoscopy Technicians, in which you take courses that focus on the Upper and Lower Endoscopy Procedures of broad knowledge ranging from endoscopy cleansing, washing of all accessories and equipment related to endoscopic procedures.



DIPLOMA IN ENDOSCOPY TECHNICIAN

Diploma in endoscopy technician is 02 years/04 semester's courses. Technician will be trained in all aspects of operating and assisting endoscopic procedures and communicating with patients and doctors for clinical application. At the end of course technician will be able to assist all diagnostic and therapeutic endoscopic procedure.

SEATS ALLOCATION

Twelve (12) seats allocated for Diploma in Endoscopy Technician on general merit

Eligibility

- 01) Those candidates who have been passed the Higher Secondary School Certificate (HSC) Examination (Pre-Medical Group) 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 Diploma in Endoscopy Technician
- 02) The Candidate should be permanent Resident of any District of Sindh.
- 03) Preference would be given to those who have one year experience as Endoscopy Technician.

Fees Structure for Diploma In Endoscopy Technician

Admission Fees		Rs-40000
Year	Semester	Fees Per Semester
1 st	1 st	Rs-20000
	2 nd	Rs-20000
2 nd	3 rd	Rs-20000
	4 th	Rs-20000

NOTE:- Document Verification Fees Rs.1800 will be applicable (Once only) at the time of admission in first year.

FINAL MESSAGE

ENDOSCOPY TECHNICIAN LUMHS endeavors to promote distinctive, world-class academics in Endoscopy. It also strive to prepare students global competence by developing in each of them a high level of expertise and refined sensibilities needed to tackle the challenges of the 21st Century while playing an active role in the fields of gastroenterology throughout the world. We strive hard for the fulfillment of this mission and help in improving overall healthcare through quality Diagnostic Services and Academics.

ELIGIBILITY OF THE CANDIDATES

ELIGIBILITY FOR ADMISSION IN DPT & PHARM-D

The admission in the course of Doctor of Physiotherapy and Pharm-D program will purely be on merit basis.

- 01) Those candidates who have passed the Higher Secondary School Certificate (HSC) Examinations (Pre-Medical Group) or 'A' level (Pre-Medical) secured at least 60% 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 DPT & PHARM-D.
- 02) The candidate should be permanent Resident of any District of Sindh.

ELIGIBILITY FOR ADMISSION IN BS.NURSING

The admission in the course of BS Nursing will purely be on merit basis.

- 01) Those candidates who have passed the Higher Secondary School Certificate (HSC) Examinations (Pre-Medical Group) 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.Nursing.
- 02) Age Limit: (14 – 35 Years)
- 03) Gender Ration: 50% Male and 50% Female

ELIGIBILITY CRITERAS FOR ADMISSION IN BS, AAS & DIPLOMA PROGRAMS AT COLLEGE OF TECHNOLOGY, LUMHS, JAMSHORO.

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

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.

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.

ELIGIBILITY FOR ADMISSION IN BS MOLECULAR BIOLOGY & GENETICS

The admission in the course of BS Molecular Biology & Genetics will purely be on merit basis.

- 01) Those candidates who have passed the Higher Secondary School Certificate (HSC) Examinations (Pre-Medical Group) 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 Molecular Biology & Genetics.
- 02) The candidate should be permanent Resident of any District of Sindh.

ELIGIBILITY FOR ADMISSION IN DIPLOMA IN ENDOSCOPY TECHNICIAN

- 01) Those candidates who have been passed the Higher Secondary School Certificate (HSC) Examination (Pre-Medical Group) 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 Diploma in Endoscopy Technician
- 02) The Candidate should be permanent Resident of any District of Sindh.
- 03) Preference would be given to those who have one year experience as Endoscopy Technician.

FORMULA FOR WORKING OUT OVER ALL MERIT

- a) HSSC/F.Sc or Equivalent. (50%);
b) Admission test (50%)

Example:

If a Candidate has obtained the following marks:

a	HSC/A-Level Equivalent marks	660/1100 or 60.00%
b	Entry Test Marks	80/200 or 40.00%

His/her Merit will be calculated as follows:

A	HSC/A-Level Equivalent marks	$60.00\% \times 0.5 = 30.000$
b	Entry Test Marks	$40.00\% \times 0.5 = 20.000$
OVER ALL MERIT OF THE CANDIDATE		$A+B=30.000+20.0000 = 50.000$

All calculation in percentages will be rounded up to three decimal points.

No deduction in gap of year

In case the overall scores of two or more candidates are equal, the candidate older in age shall be ranked higher in merit for the purpose of admission.

DIRECTORATE OF ADMISSIONS (UG)
LIAQUAT UNIVERSITY OF MEDICAL &
HEALTH SCIENCES, JAMSHORO
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EMAIL (www.lumhs.edu.pk)