



LIAQUAT INSTITUTE OF
MEDICAL & HEALTH SCIENCES
LIMHS, THATTA

GATEWAY TO A
BRIGHTER FUTURE



UNDERGRADUATE
PROSPECTUS
2024-25

BS [DEGREE PROGRAMMES]

DOCTOR OF PHYSICAL THERAPY (DPT)

NURSING (GENERIC)

MEDICAL LABORATORY TECHNOLOGY (BSMLT)

FOR FURTHER INFORMATION &
QUERIES

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PROSPECTUS 2024-25



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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



I am delighted to extend my warmest welcome to you as you consider embarking on a journey of innovation, learning, and transformation at the International Medical and Technical College, Thatta Campus. At the newly established campus of College of Technology, we have designed a dynamic and forward-looking curriculum that equips students with not only the technical expertise but also the problem-solving skills, creativity, and adaptability needed to thrive in the field of medical sciences. Liaquat University of Medical & Health Sciences, Jamshoro, Pakistan, stands as a bastion of excellence in the field of medical sciences, committed to shaping the future of healthcare by nurturing skilled and compassionate professionals. In the realm of healthcare, technology has become an inseparable partner, enhancing our ability to diagnose, treat, and improve the lives of people. We understand the vital role that skilled medical technologists play in this landscape. Thus each program being offered at the college is carefully designed to equip you with the knowledge, expertise, and ethical foundation required to excel in the ever-evolving world of medical technology.

The International standing of Liaquat University of Medical & Health Sciences, make this college a unique opportunity to all the local students and students from abroad to learn and excel and become part of global healthcare community. Moreover, the College of Technology is more than just an academic institution; it is a vibrant community where diversity is celebrated, ideas are shared, and talents are nurtured. Your time here will be enriched by interactions with fellow students and highly qualified accomplished faculty, creating an environment that fosters lifelong friendships and professional connections. Its geographical location at the historical city of Makli making it even more significant.

As you peruse this prospectus, I encourage you to envision the remarkable opportunities that await you at the International Medical & Technical College. Whether you aspire to work in diagnostic laboratories, research institutions, or healthcare settings, our comprehensive programs will empower you to make your dreams come true.

I look forward to welcoming you to the International Medical and Technical College, Thatta Campus and witnessing your journey towards a fulfilling and impactful career.

Prof. Dr. Ikram din ujjan
Vice-Chancellor
LUMHS, Jamshoro.



MESSAGE

Dear Students

It is a great honor for me to welcome you all, in one of the best medical institutes of Pakistan i.e. Liaquat Institute of Medical & Health Sciences (LIMHS) Thatta.

I feel proud to be the principal of this college, as you all know that, this institute is a constituent college of LUMHS Jamshoro, which itself has a very pivotal role in medical fraternity.

You will be the first batch of this institute and as Principal I expect from you the dedication, honesty & hard work, your batch should be the trend setter in the history of LIMHS THATTA.

The faculty here, is very competent, hard working, & encouraging. They are always ready to teach you anywhere, anytime. During your stay here in LIMHS my faculty will provide you holistic & dynamic education beyond your books & classrooms, but this does not mean, that you don't attend the classes, as 75% attendance is mandatory to appear in any examination.

As a student & then a respectable doctor, your impact will be on poor masses & we expect that you will make this institute, a proud. You are blessed that this institute is also recognized by the college of physician & surgeon Pakistan which will also help you for higher studies.

The only requirement from you is continuous HARD WORK I & My team are anxiously waiting for the time to welcome you so that we all join the hands of each other for the benefit of this institute as well as for the poor masses.

Warm Regards

Prof. Dr. Ghulam Sarwar Qureshi
Principal LIMHS THATTA





VISION

To become world class dynamic Institute of education, research and training to develop Global competitive professional and socially responsible human resource.

MISSION

Fostering ideal learning environment to ensure modern scientific evidence based practices by imparting critical knowledge, analytical and psychomotor skills, and professional dedication among healthcare students, under the umbrella of virtuous professional, moral and ethical standards.





Introduction

Liaquat Institute of Medical & Health Sciences (LIMHS) Thatta campus is a new star in the world of medical education and innovation established in 2023, as first out station campus of Liaquat University of Medical & Health Sciences, Jamshoro, Pakistan. The college has been established with a commitment to excellence and global perspective, as Liaquat University of Medical and Health Sciences stands as a beacon of the knowledge, compassion, cutting edge medical research and provision of standard healthcare facilities.

The strategic location of the college makes it more significant as the region around Makli has a rich historical legacy, dating back to the time of the Indus Valley Civilization, around 3300–1300 BCE. Its location near the Indus River contributed to its importance as a center of trade and cultural exchange. Makli's historical and architectural significance led to its recognition as a UNESCO World Heritage Site in 1981. The establishment of the college not only has revived its excellence in trade and culture but also in medical education, not only at the regional level but also internationally.

Nestled at the crossroads of diversity and expertise, Liaquat Institute of Medical & Health Sciences (LIMHS) Thatta campus thrives as a melting pot of cultures, ideas, and medical practices from around the world. Our mission is to cultivate the next generation of healthcare leaders and professionals, equipping them with the skills, knowledge, and ethical foundation necessary to address the ever-evolving challenges of the medical field. Thus it's a golden opportunity for students and all the corners of the world.

The college has spectacular infrastructure, led by highly qualified, distinguished faculty including accomplished medical practitioners, researchers, and educators in the field. Liaquat University places a strong emphasis on fostering critical thinking, clinical proficiency, and a deep sense of empathy in our students, through a curriculum designed to bridge the gap between theory and practice. All the students are exposed to a dynamic learning environment that encourages active participation, research-driven exploration, and hands-on clinical experiences. That makes our graduates standing out in the job market at local as well as International level.

As an international institution, we take pride in our collaborative partnerships with renowned medical institutions, organizations, and experts worldwide. We have established linkages and working partnerships with Universities in United States of America, United Kingdom, Canada, China, Turkey and Azerbaijan. These connections provide our students with unique opportunities for global exposure as student exchange programs, research collaborations, and diverse clinical rotations. Thus greatly enhancing their understanding of healthcare on a global scale.

Our commitment to innovation is unwavering, with state-of-the-art facilities and laboratories that empower students to engage in groundbreaking research and technological advancements in the field of technology. We believe in nurturing not only exceptional doctors but also all stake-holders in the field of medical sciences including nurses, Physiotherapists, pharmacists, laboratory technicians and radiology technicians. Thus providing a complete team of healthcare professionals.





UNDERGRADUATE PROGRAMS

S.#	Programs	Duration
1	Doctor of Physical Therapy (DPT)	Five Years
2	BS. Nursing	Four Years
3	BS Medical Laboratory Technology (BSMLT)	Four Years





DOCTOR OF PHYSICAL THERAPY (DPT) PROGRAM

ALLOCATION OF SEATS

Doctor of Physical Therapy (DPT)		
S. No.	Category	Seats
01	Reserved seats for the candidates of Distt: Thatta & Sujawal (Under Merit)	18
02	OPEN MERIT	42
03	Self-Finance	35
04	Reserved seats for Foreign National / Overseas	05
TOTAL		100

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) Photocopy of Candidate's Residence Certificate of Foreign Country.
- 3) Photocopy of Candidate's and Father's/ Mother's or Guardian Passport & Visa.





CURRICULUM

DOCTOR OF PHYSICAL THERAPY SCHEME OF STUDIES FOR 5-YEARS DPT PROGRAM

NAME OF SUBJECT	Doctor of Physical therapy Subject Year / Semester	CREDITS
1st SEMESTER		
Anatomy-I	DP 01-01-01	4(3-1)
Physiology-I	DP 02-01-01	3(2-1)
Kinesiology-I	DP 03-01-01	3(2-1)
English (Functional English)	DP 04-01-01	3(3-0)
Pakistan Studies	DP 05-01-01	2(2-0)
Biostatistics-I	DP 06-01-01	3(3-0)
2nd SEMESTER		
Anatomy-II	DP 01-01-02	4(3-1)
Physiology-II	DP 02-01-02	3(2-1)
Kinesiology-II	DP 03-01-02	3(2-1)
English-II (Communication Skills)	DP 04-01-02	3(3-0)
Biostatistics-II	DP 06-01-02	3(3-0)
Islamic Studies / Moral Philosophy	DP 07-01-02	2(2-0)
3rd SEMESTER		
Anatomy-III	DP 01-02-03	3(2-1)
Physiology-III	DP 02-02-03	3(2-1)
English-III (Technical Writing & Presentation Skills)	DP 04-02-03	3(3-0)
Introduction to Computer	DP 08-02-03	3(2-1)
Biomechanics & Ergonomics-I	DP 09-02-03	3(3-0)
Biochemistry & Genetics-I	DP 10-02-03	2(2-0)
4th SEMESTER		
Anatomy-IV (Neuro-Anatomy)	DP 01-02-04	3(2-1)
Biomechanics & Ergonomics-II	DP 09-02-04	3(2-1)
Biochemistry & Genetics-II	DP 10-02-04	2(2-0)
Behavioral Sciences (Psychiatry & Psychology)	DP 11-02-04	3(3-0)
Exercise Physiology	DP 12-02-04	3(3-0)
Medical Physics	DP 13-02-04	3(2-1)
5TH SEMESTER		
Pathology & Microbiology-I	DP 14-03-05	2(2-0)
Pharmacology-I	DP 15-03-05	3(3-0)
Physical Agents & Electrotherapy-I	DP 16-03-05	3(2-1)
Therapeutic Exercise & Techniques	DP 17-03-05	3(2-1)
Sociology	DP 18-03-05	2(2-0)
Health & Wellness	DP 19-03-05	2(2-0)



6TH SEMESTER		
Pathology & Microbiology-II	DP 14-03-06	3(2-1)
Pharmacology-II	DP 15-03-06	2(2-0)
Physical Agents & Electrotherapy-II	DP 16-03-06	3(2-1)
Manual Therapy	DP 21-03-06	3(2-1)
Teaching Methodology & Community Medicine	DP 22-03-06	3(3-0)
Supervised Clinical Practice-II	DP 20-03-06	3(0-3)
7TH SEMESTER		
Medicine-I	DP 23-04-07	3(3-0)
Surgery-I	DP 24-04-07	3(3-0)
Radiology & Diagnostic Imaging	DP 25-04-07	3(2-1)
Musculoskeletal Physical Therapy	DP 26-04-07	3(2-1)
Human Growth Development & Community Based Rehabilitation	DP 27-04-07	2(2-0)
Supervised Clinical Practice-III	DP 20-04-07	3(0-3)
8TH SEMESTER		
Medicine-II	DP 23-04-08	3(3-0)
Surgery-II	DP 24-04-08	3(3-0)
Neurological Physical Therapy	DP 28-04-08	3(2-1)
Evidence Based Practice	DP 29-04-08	3(2-1)
Prosthetics & Orthotics	DP 30-04-08	2(2-0)
Supervised Clinical Practice-IV	DP 20-04-08	3(0-3)
9TH SEMESTER		
Cardiopulmonary Physical Therapy	DP 31-05-09	3(2-1)
Emergency Procedure & Primary Care in Physical Therapy	DP 32-05-09	2(2-0)
Clinical Decision Making & Differential Diagnosis	DP 33-05-09	3(3-0)
Scientific Inquiry & Research Methodology	DP 34-05-09	3(2-1)
Professional Practice (Laws, Ethics & Administration)	DP 35-05-09	2(2-0)
Integumentary Physical Therapy	DP 36-05-09	2(2-0)
Supervised Clinical Practice-V	DP 20-05-09	3(0-3)
10TH SEMESTER		
Obstetrics & Gynecological Physical Therapy	DP 37-05-10	2(2-0)
Pediatric Physical Therapy	DP 38-05-10	2(2-0)
Gerontology & Geriatric Physical Therapy	DP 39-05-10	2(2-0)
Sports Physical Therapy	DP 40-05-10	2(2-0)
Research Project	DP 41-05-10	6
Supervised Clinical Practice-VI	DP 20-05-10	4(0-4)





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. 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.

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





BS. NURSING PROGRAM

ALLOCATION OF SEATS in BS. Nursing (Generic)				
S. #	Category	SEATS		Total
		Male	Female	
01	Reserved seats for the candidates of Distt: Thatta & Sujawal (Under Merit)	06	06	12
02	OPEN MERIT	13	13	26
03	Self-Finance	05	05	10
04	Reserved seats for Foreign National	01	01	02
GRAND TOTAL				50

ACADEMIC PROGRAM

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 & MIDWIFERY COUNCIL

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

GENERIC BSN (04 YEARS DEGREE PROGRAM)

Qualification: a) Matric Science (Physics, Chemistry & Biology as compulsory subjects)
b) HSSC (Pre-Medical) with 50% marks minimum (Physics, Chemistry & Biology as compulsory subjects).

Age Limit: - (14 – 35 Years)

Gender Ration: - 50% Male and 50% Female





CURRICULUM

BS NURSING STUDIES FOR 4-YEARS PROGRAM

FIRST YEAR (Semester-I)			CreditHours	Credit Hours		Total Credit Hours
S. #	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
S. #	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
S. #	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
S. #	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
S. #	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
S. #	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 Biostatics	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
S. #	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			CreditHours	Credit Hours		Total Credit Hours
S. #	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

UNIFORM

- a) White apron with maroon color piping in campus
- b) Pakistan Nursing & Midwifery 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





Academic Policies and Procedures

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.
- c) A Student will not be allowed after 15 Minutes of the start of the class.

➤ 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** 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).

➤ Regular Assigned Leave:

- a. There will be 15 days leave between each semester.
- b. During the maternity leave, remaining course will cover by the students herself.
- 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.

➤ Dismissal.

The authority of the university / college 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.





BS Medical Laboratory Technology (BSMLT)

Allocation of Seats (BSMLT)

S. #	Category	Seats
01	Reserved seats for the candidates of Distt: Thatta & Sujawal (Under Merit)	18
02	OPEN MERIT	42
03	Self-Finance	06
04	Reserved seats for Foreign National / Overseas	04
TOTAL		70

SCHEME OF STUDIES FOR 4-YEARS (BSMLT) PROGRAM

SEMESTER/YEAR	Course #	Name of Subject	Credit
FIRST PROFESSIONAL YEAR			
FIRST	BSMLT-311	Anatomy	2+1
	BSMLT-312	Biochemistry	3+1
	BSMLT-313	Physiology	3+1
	BSMLT-314	English Foundation	2+0
	BSMLT-315	Computer Skills	1+1
	BSMLT-316	Pakistan Studies	2+0
		Total	17
SECOND	BSMLT-321	Clinical Pathology I	3+2 (Laboratory)
	BSMLT-322	Microbiology I	3+2
	BSMLT-323	English II	2+0
	BSMLT-324	Laboratory Mathematics	2+0
	BSMLT-325	Islamiat	2+0
		Total	16
SECOND PROFESSIONAL YEAR			
THIRD	BSMLT-331	Clinical Pathology-II	3+2 (Laboratory)
	BSMLT-332	Microbiology-II	3+1
	BSMLT-333	Clinical Chemistry-I	3+2
	BSMLT-334	Clinical Pharmacology	3+2
	BSMLT-335	Sociology	2+0
		Total	21
FOURTH	BSMLT-341	Haematology-I	3+2 (Laboratory)
	BSMLT-342	Histopathology-I	3+1
	BSMLT-343	Clinical Chemistry-II	3+2
	BSMLT-344	Microbiology-III	2+2
		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	3+1
	BSMLT - 355	Body Fluid Analysis	2+1
		Total	18
SIXTH	BSMLT – 361	Immunology / Serology-II	3+2
	BSMLT – 362	Immunoematology	3+1
	BSMLT – 363	Research Methodology	2+1
	BSMLT – 364	Biostatics	2+1
	BSMLT – 365	Clinical Practicum	0+6
		Total	21
FOURTH PROFESSIONAL YEAR			
SEVENTH	BSMLT - 371	Transfusion Medicine	3+2
	BSMLT - 372	Molecular Biology	2+2
	BSMLT - 373	Advance Clinical Pathology	3+1
	BSMLT - 374	Cytology & Cytogenetics	3+2
		Total	18
EIGHTH	BSMLT - 381	Health Care Management	3+2
	BSMLT - 382	Research Project	8+0
	BSMLT - 383	Clinical Practicum	0+6
		Total	19

Total number of Credit hours 148





BS MEDICAL LABORATORY TECHNOLOGY (BSMLT)

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





FEE STRUCTURE

Fee Structure Doctor of Physical Therapy (DPT)							
Category	Admission Fee (Once)	Tuition Fee (Per Semester)	Transport Fee (Per Year)	Student Activities (Per Year)	Convocation Fee (once)	Document Verification Fee (Once)	TOTAL
MERIT	50000	70000	15000	10000	5000	5000	155000
S-F	75000	140000	15000	10000	5000	5000	250000
Overseas / F. National	US\$ 800	US\$.1600	15000	10000	5000	5000	US\$.2400 PKR.35000

Fee Structure BS Medical Laboratory Technology (BSMLT)							
Category	Admission Fee (Once)	Tuition Fee (Per Semester)	Transport Fee (Per Year)	Student Activities (Per Year)	Convocation Fee (once)	Document Verification Fee (Once)	TOTAL
MERIT	40000	75000	15000	10000	5000	5000	150000/
S-F	60000	105000	15000	10000	5000	5000	200000/
Overseas / F. National	US\$.500	US\$.2000	15000	10000	5000	5000	US\$.2500 PKR.35000

Fee Structure BS. Nursing Generic							
Category	Admission Fee (Once)	Tuition Fee (Per Year)	Transport Fee (Per Year)	Student Activities (Per Year)	Convocation Fee (once)	Document Verification Fee (Once)	TOTAL
MERIT	30000	30000	15000	10000	5000	5000	95000/
S-F	50000	115000	15000	10000	5000	5000	200000/
Overseas / F.National	US\$.500	US\$.2000	15000	10000	5000	5000	US\$.2500 PKR.35000

Note:

- Pre-Registration fee RS.3000/ for BS. Nursing (Once time)
- Misc. Fees will be charge for BS. Nursing of Rs.20000/- for merit and Rs.40000/ for Self Finance (Per Year)

HOSTEL Charges

- Allotment Fee - Rs.5000/- (Once)
- Rent Fee - Rs.50000/- (Per Annum)



FEE REFUND POLICY

1. Any refund will be paid to the student or his/her parents / guardian sponsoring body.
2. Application for a refund of fee can be made by completing the appropriate form and submitted the proffer of payment.
3. The refund amount of tuition fee is subject to the following schedule.

Timeline	Percentage of fee
Upto 15 th day of commencement	100% fee refund
Upto 20 th day of commencement	75% fee refund
Upto 30 th day of commencement	50% fee refund
31 st day onwards	Not Refund

- Timeline shall be calculated continuously, covering both weekdays and weekend.

RULES FOR PAYMENT OF FEE

- a. Once fees paid shall not be refunded, if, Provisional Selection in course under any admission category i.e. 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 under any category will have to deposit fee within (03) 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 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.

FEE FOR FAILURE/REPEATER STUDENTS.

- (1) 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.
➤
- (2) Repeater candidates admitted under regular general merit will be charged full fee.





PENALTIES

Candidates who are finally selected on open merit seat, self-finance or any other category in any BS Degree Programs shall have to pledge through an affidavit that they will complete the course period. In case they leave the university before completing the course for any reason, they will submit a pay order Demand Draft, in favor of Liaquat Institute of Medical & Health Sciences (LIMHS) Thatta as a penalty for wasting a precious seat. Detail is as under:-

S. #	Program / Course	Penalties Amount
1	Doctor of Physical Therapy (DPT) & BS Medical Laboratory Technology (BSMLT)	Rs.100000/ (Merit / S-F)
2	BS. Nursing (Generic)	Rs.100000/ (Merit) Rs.200000/ (S-F)

Freeship:
(Eligibility criteria):

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 GPA3+ (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.





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 Institute of Medical & Health Sciences, (LIMHS) Thatta (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 Institute of Medical & Health Sciences, (LIMHS) Thatta.

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 those 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/College or 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 Statues 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-drawl of a Certificate granted.
- f) Expulsion or rustication from the University/college 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.

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) 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.

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.





PROGRAMS WISE ELIGIBILITY

- **Doctor of Physical Therapy (DPT) Programs**
Those candidates who have passed the Higher Secondary School Certificate (HSSC) 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)

- **BS. NURSING (Generic) Program**
 - 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)
 - 02) Age Limit: (14 – 35 Years)
 - 03) Gender Ration: 50% Male and 50% Female

- **BS Medical Laboratory Technology (BSMLT), Program**
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)

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.





AFFIDAVIT

(To be typed on stamp paper of Rs. 200/=)

I _____ S/o, D/o _____

Muslim/Non-Muslim adult R/o _____ a candidate for admission in 1st year _____ for academic session 2024-25 do hereby state on solemn affirmation / oath as under:

1. That, I am a holder of **P.R.C.** of District _____ in Province _____ of National _____, 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.
2. That, if, I am allowed admission in 1st Year _____ on Open Merit / Self Finance seat, I shall not seek admission in any other Public/ Private Sector College / University of the Country.
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. That, after my Final Selection/ Provisional Admission on Open Merit/ Self-Finance or any other category in () years Degree Program of _____, I shall complete the Course _____ of () years containing () semesters. However, in case, I leave the _____ before completion of the Course, I shall be liable to penalty as prescribed in prospectus through Pay Order / Demand Draft, else I will not be entitled to issuance of any certificate from the institution.
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/College 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 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.

A d v o c a t e

Solemnly affirmed on oath this day _____ of _____
2024 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. 200)

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 _____ 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 _____. I also undertake further that after final Selection/ Provisional Admission in _____ Course of my Son/ Daughter/ Sister/ Brother/ Wife/ Ward at the _____, he / she will not be entitled to issuance of any certificate from the Institute under the admission category of Open Merit /Self-Finance Course of _____. However in case my Son/ Daughter/ Sister/ Brother/ Wife/ Ward leave _____ discontinues before completion of the Course. He/ She shall be liable to penalty as prescribed in prospectus.

Signature of Parent / Guardian

C.N.I.C. No. _____

Full Address:

Contact No: _____

Attestation by Judicial Magistrate. With round stamp / Seal





Required Documents for Admission	
S. #	DOCUMENTS
1	SSC / Matric Pacca Certificate / O level transcript certificate
2	SSC / Matric Mark Sheet / O level with IBCC Equivalence certificate
3	HSSC / Intermediate Pass Certificate / A level transcript certificate
4	HSSC / Intermediate Mark Sheet / A level with IBCC Equivalence.
5	Domicile and PRC form 'C' (Candidate).
6	CNIC or Form "B" of Candidates from NADRA
7	Domicile of Father, if father is not alive then Mother (along-with Death Certificate issued by NADRA)
8	CNIC Father, if father is not alive then Mother
9	Six Passport size photographs of candidate (fresh)
10	Passport / Visa for Foreign National Candidates
11	Affidavit / Undertaking

NOTE:-

Original documents (Matric/O Level Certificate, Matric/O Level Mark sheet, Intermediate/A Level provisional certificate, Intermediate/A Level Mark sheet, Candidate Domicile, Candidate PRC and Father's Domicile) of the selected candidates will remain in the custody of the university / College till the completion of the course or the expulsion of the candidate due to any reason.

FOR ANY QUERIES PLEASE
CONTACT ON TEL NO.022-9213320 - 21
EMAIL (admission.bs@lumhs.edu.pk)

