

DEPARTMENT OF ALLIED HEALTH SCIENCES

- Department of Rehabilitation Sciences
 - Doctor of Physical Therapy
- Department of Allied Health Sciences
 - BS Medical Laboratory Technology
 - BS Dental Technology
 - BS Radiology Technology
 - BS Anesthesia
 - BS Surgical
 - BS Cardiology

VISION

Faculty of Health Biological Sciences IQRA National University will strive for national and international recognition for its excellence in healthcare education and to produce lifelong learners and evidence-based health professionals.

MISSION

Faculty of Health & Biological Sciences is committed to contribute towards community by preparing health professionals who believe in interpersonal and intra-professional collaboration, critical analysis and are committed to lifelong learning to improve health and wellness of humanity through research and advancement in the scientific inquiry

FACULTY OF HEALTH & BIOLOGICAL SCIENCES

ABOUT

The Faculty of Health and Biological Sciences was initiated in 2016 at Iqra National University Peshawar with the aim to carry teaching and clinical trainings on various aspects of health education, suggesting measures for the improvement of human health, especially focusing on developing and enhancing the standards in healthcare quality by producing highly trained professionals.

For clinical training of students, Faculty of Health and Biological Sciences is attached with Peshawar Institute of Medical Sciences/Pak International Medical College and Mohammadi Hospital/ Pakistan Heart Foundation, which has all the essential clinical departments. All clinical departments are furnished with modern equipment to provide high quality medical clinical training facilities.

The faculty members in all the disciplines of Health and Biological Sciences are highly qualified and experienced.

The laboratories and museums are well - equipped, the tutorial rooms, lecture halls and auditorium not only meet the educational needs but also have the capacity of hosting seminars and conferences. The students and faculty are encouraged to carry on visits to places relating to their professional interest as well as go for recreational visits in the form of groups. Emergency medical services are available for students, staff and faculty members.

We are offering the following:

- Doctor of Physical Therapy
- BS Dental Technology
- BS Medical Laboratory Technology
- BS Radiology Technology
- BS Anesthesia
- BS Surgical
- BS Cardiology

CHAIRMAN'S MESSAGE



Dr. Imran Khan

The goals of our department is to prepare Allied Health Professionals and Physical Therapists who can work effectively in all environments, to provide evidence-based, patient-centered physical therapy and Allied Health services for the community, and to educate students who will lead these profession into the coming generations to provide education to meet these goals in an environment where learning is fun and comfortable. We have well qualified faculty members who are committed to excellence in education and exhibit enthusiasm and passion for teaching and clinical practice. Our faculty members are diverse and talented in the theoretical and practical backgrounds of their relevant fields. Moreover, we are practicing the modern teaching methodologies and principles of adult learning to stir up interest for learning among our students. We have developed our curriculums as per the requirements of national and international standards and needs. We have signed MOUs with Mohammadi Hospital and Pak International Medical Hospital for clinical training of our students. We arrange different study tours and guest lectures of eminent speakers having profound knowledge and experience of industry, academia and research. We look forward to developing new relationships, new programs and strengthen existing relationships.

CHAIRMAN
DEPARTMENT OF ALLIED HEALTH SCIENCES

DOCTOR OF PHYSICAL THERAPY

COURSE OVERVIEW

The first professional degree in physical therapy endorsed by the Higher Education Commission of Pakistan (HEC) comprises of 5 years (10 semesters), equivalent 17 years of schooling. The degree program will produce physical therapy professionals who will be Doctors of Physical Therapy and will be competent to diagnose and treat movement dysfunctions due to injuries or diseases by using all physical means including; manual therapy techniques, exercise therapy, electrotherapy and preventative and corrective measures. Physical Therapists with the DPT degree will be practitioners of choice to whom public will have direct access for the diagnosis of, interventions for, and prevention of impairments, environmental barriers related to movement, function, and health. The DPT degree also fulfills the international requirements for physical therapy education, so the DPT graduates could get equivalency easily abroad.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

After the completion of five years, the graduates of the Doctor of Physical Therapy Program will:

- Demonstrate fundamental knowledge of physical therapy to pursue their career and workplace needs.
- Promote health and wellness, examine, evaluate, diagnose and provide intervention and manage physical therapy services for individuals any dysfunction.
- Demonstrate a highly professional, ethical, legal, and culturally-competent manner and commitment to society and the profession.
- Demonstrate effective leadership, management, entrepreneurial, communication and teaching skills.
- Engage in reflective practice through sound clinical decision making, critical self-assessment, problem solving and commitment to lifelong learning.
- Demonstrate the intellectual curiosity to actively participate in the innovation/research, acquisition of new knowledge and skills to refine their technical abilities.

ELIGIBILITY CRITERIA:

The applicant should have FSc. Pre medical or equivalent qualifications earned from a recognized board/institution with at least 60% marks.

SCHEME OF STUDIES

Semester 1

Code	Subject Name	Cr. Hours
PRM-511	Anatomy -I	4(3+1)
PRM-512	Physiology-I	3(2+1)
PRM-513	Kinesiology-I	3(2+1)
PRM-514	English-I	3(3+0)
PRM-515	Pakistan Studies	2(2+0)
PRM-516	Introduction to Computer	3(2+1)
Total		18

Semester 3

Code	Subject Name	Cr. Hours
PRM-531	English - III	2(2+0)
PRM-532	Physiology - III	3(3+0)
PRM-533	Anatomy - III	3(2+1)
PRM-534	Behavioral Sciences	2(2+0)
PRM-535	Health and Wellness	2(2+0)
PRM-536	Biomechanics & Ergonomics - II	3(2+1)
PRM-537	Biochemistry & Genetics - I	3(3+0)
Total		18

Semester 5

Code	Subject Name	Cr. Hours
PRM-551	Integumentary Physical Therapy	3(2+1)
PRM-552	Pharmacology - II	3(3+0)
PRM-553	Therapeutic Physical Agents	4(3+1)
PRM-554	Musculoskeletal Physical Therapy	4(3+1)
PRM-555	Supervised Clinical Practicum - I	4(0+4)
Total		18

Semester 7

Code	Subject Name	Cr. Hours
PRM-571	Prosthetics & Orthotics	2(2+0)
PRM-572	Manual Therapy	4(3+1)
PRM-573	Pediatrics and Physical Therapy	3(2+1)
PRM-574	Cardiopulmonary Physical Therapy	3(2+1)
PRM-575	Emergency Procedures and Primary Care	2(2+0)
PRM-576	Supervised Clinical Practicum - III	4(0+4)
Total		18

Semester 9

Code	Subject Name	Cr. Hours
PRM-591	Geriatrics and Physical Therapy	3(3+0)
PRM-592	Gynecological Physical Therapy	3(3+0)
PRM-593	Research Methodology and Dissertation Writing	4(3+1)
PRM-594	Evidence Based Practice	4(3+1)
PRM-595	Supervised Clinical Practicum - V	4(0+4)
Total		18

Semester 2

Code	Subject Name	Cr. Hours
PRM-521	Anatomy -II	4(3+1)
PRM-522	Physiology-II	3(2+1)
PRM-523	Biomechanics & Ergonomics-i	3(2+1)
PRM-524	English-II	3(3+0)
PRM-525	Islamic Studies / Ethics	2(2+0)
PRM-526	Sociology	2(2+0)
Total		17

Semester 4

Code	Subject Name	Cr. Hours
PRM-541	Anatomy - IV	3(2+1)
PRM-542	Therapeutic Exercises & Techniques	3(2+1)
PRM-543	Basic Pathology and Microbiology	3(3+0)
PRM-544	Biochemistry & Genetics - II	2(2+0)
PRM-545	Physiology - IV	3(3+0)
PRM-546	Pharmacology - I	3(3+0)
Total		17

Semester 6

Code	Subject Name	Cr. Hours
PRM-561	Medicine	2(2+0)
PRM-562	Neurological Physical Therapy	4(3+1)
PRM-563	Surgery And Rehabilitation	3(3+0)
PRM-564	Radiology & Diagnostic Imaging	3(2+1)
PRM-565	Supervised Clinical Practicum - II	4(0+4)
PRM-566	Human Growth and Development & Community Based Rehabilitation	2(2+0)
Total		18

Semester 8

Code	Subject Name	Cr. Hours
PRM-581	Professional Practice and Medical Ethics	3(3+0)
PRM-582	Intensive Care Physical Therapy	2(2+0)
PRM-583	Case Based Learning	2(2+0)
PRM-584	Biostatistics	4(3+1)
PRM-585	Clinical Decision Making & Differential Diagnosis	3(3+0)
PRM-586	Supervised Clinical Practicum - IV	4(0+4)
Total		18

Semester 10

Code	Subject Name	Cr. Hours
PRM-5101	Hospital Management & Bioentreprenurship	3(3+0)
PRM-5102	Sports Physical Therapy	3(2+1)
PRM-5103	Supervised Clinical Practicum - VI	4(0+4)
PRM-5104	Research Project	6
Total		16

BS MEDICAL LAB TECHNOLOGY

COURSE OVERVIEW

BS in Medical Lab Technology (BS-MLT) is a four-years degree program that equips students with knowledge and skills in lab test used in the detection, diagnosis, prevention, and treatment of diseases. The program consists of general education subjects (such as English, Mathematics and statistics etc) and professional subjects (such as clinical Chemistry, Microbiology and Parasitology, Hematology, Blood Banking and Serology etc).

The teaching methods used are classroom discussions, laboratory practicum exercises (wherein a student demonstrates what has been taught) and clinical lab internships in hospitals.

The Medical Lab Technology Program includes intensive practical laboratory experience during the last semester of you final year. The lab practice offers state-of-the-art computer instrumentation using the latest methods and technologies. During your practicum experience, you will apply theoretical knowledge and learn the skills to perform lab procedures, to recognize and solve problems, to assume future leadership roles, to carry out research, and to educate others. You will work one-on-one with a staff technologist as you gain hands-on experience in diagnostic lab medicine and public health. The Medical Lab Technology Program prepares students for a range of careers in medical centers, public health departments, research centers and more. Students also go on to advanced study in any number of fields including medicine, pathology and public health.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

Upon the completion of Medical Laboratory technology program, the students:

- will have the fundamental knowledge of Medical Laboratory Technology to pursue their career and workplace needs.
- will have the intellectual curiosity to actively participate in the innovation/research, acquisition of new knowledge and skills to refine their technical abilities.
- will have the ability to critically analyze, communicate, diagnose and solve problems efficiently for the benefits of society.
- will demonstrate interpersonal, inter-professional and entrepreneurial skills to contribute towards society.

ELIGIBILITY CRITERIA:

The applicant should have FSc. Pre medical or equivalent qualifications earned from a recognized board/institution with at least 50% marks



SCHEME OF STUDIES

Semester 1

Code	Subject Name	Cr. Hours
MLT-411	Basic Anatomy (Theory+Lab)	3+1
MLT-412	Basic Physiology (Theory+Lab)	3+1
MLT-413	Basic Biochemistry (Theory+Lab)	3+1
MLT-414	English	3
MLT-415	Basic Lab Calculations	1
MLT-416	Pakistan Studies	2
Total		18

Semester 3

Code	Subject Name	Cr. Hours
MLT-431	Immunology & Serology (Theory+Lab)	2+1
MLT-432	Clinical Bacteriology (Theory+Lab)	2+1
MLT-433	RBCs Disorders (Theory+Lab)	2+1
MLT-434	Human Genetics (Theory+Lab)	2+1
MLT-435	Clinical Enzymology & Endocrinology (Theory+Lab)	2+1
MLT-436	Behavioral Sciences	2
Total		17

Semester 5

Code	Subject Name	Cr. Hours
MLT-451	Clinical Virology (Theory+Lab)	2+1
MLT-452	Transfusion Medicine (Theory+Lab)	2+1
MLT-453	Histotechniques (Theory+Lab)	2+1
MLT-454	Biotechnology (Theory+Lab)	1+2
MLT-455	Clinical Fluid Analysis (Theory+Lab)	2+1
MLT-456	Public Health & Epidemiology	2
Total		17

Semester 7

Code	Subject Name	Cr. Hours
MLT-471	Cytology and Cytogenetic (Theory+Lab)	2+1
MLT-472	Research Methodology	3
MLT-473	Legal Concepts in Medical Lab Technology	2
MLT-474	Medical Sociology	2
MLT-475	Advance Immuno-Hematology (Theory+Lab)	2+1
MLT-476	Quality Control in Medical Lab Technology (Theory+Lab)	2+1
Total		16

Semester 2

Code	Subject Name	Cr. Hours
MLT-421	Basic Microbiology (Theory+Lab)	2+1
MLT-422	Basic Hematology (Theory+Lab)	2+1
MLT-423	General Pathology (Theory+Lab)	2+1
MLT-424	General Pharmacology (Theory+Lab)	3+1
MLT-425	Communication Skills	2
MLT-426	Islamiat	2
Total		17

Semester 4

Code	Subject Name	Cr. Hours
MLT-441	Clinical Mycology and Parasitology (Theory+Lab)	2+1
MLT-442	WBCs and Platelets Disorders (Theory+Lab)	2+1
MLT-443	Molecular Biology (Theory+Lab)	2+1
MLT-444	Biomedical Instrumentation (Theory+Lab)	2+1
MLT-445	Chemical Pathology (Theory+Lab)	2+1
MLT-446	Computer Applications (Theory+Lab)	1+1
Total		17

Semester 6

Code	Subject Name	Cr. Hours
MLT-461	Fundamental Of Infection Control (Theory+Lab)	2+1
MLT-462	Fundamental of Forensic Science (Theory+Lab)	2+1
MLT-463	Medical Statistics	3
MLT-464	Biosafety and Biosecurity (Theory+Lab)	2+1
MLT-465	Bioethics (Theory+Lab)	2
MLT-466	Techniques In Microbiology (Theory+Lab)	2+1
Total		17

Semester 8

Code	Subject Name	Cr. Hours
MLT-481	Laboratory Operations	3
MLT-482	Advance Lab Concepts	3
MLT-483	Bio- Entrepreneurship	2
MLT-484	Research Project	6
MLT-485	Seminar	1
Total		15

BS DENTAL TECHNOLOGY

COURSE OVERVIEW

Dentistry without dental technology is handicapped. Dental technology course the minute details and construction techniques of crown, bridge, implants, dentures, ocular prosthesis, craniofacial prosthesis, orthodontic & Auxiliaries, mouth guards etc. BS- Dental Technology at INU Department of Allied Health Sciences is 4 years semester based programme. Students have opportunities here to learn and practice in the dental labs. On completion of bachelor degree students will have international construction techniques of crown, bridge, implants, dentures, ocular prosthesis, craniofacial prosthesis, orthodontic & Auxiliaries, mouth guards etc.

BS- Dental Technology at INU Department of Allied Health Sciences is 4 years semester based programme. Students have opportunities here to learn and practice in the dental labs. On completion of bachelor degree students will have international recognition or they can start up their dental lab setups. students who are interested in pursuing higher goals can do master and Ph.D and can be professors of Bio-materials at prestigious institutions & Labs.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

1. To prepare a cadre of health technologists and workers who can effectively assist senior health professionals in the delivery of quality health services.
 2. To prepare paramedical workers for all levels of the health care delivery system from the primary to the tertiary level.
 3. To introduce and impart standard technical education with new modern techniques, within the fields of medical technologies, by replacing the conventional methods of pre-service training (certificate level). To provide paramedical workers a status and recognition in the health care delivery system through improving their capacity along with increasing awareness of their responsibilities, authority and job description.
1. To equip paramedical staff with modern skills and latest technical knowledge and bring them at par with other national and international level.

ELIGIBILITY CRITERIA

The applicant should have FSc. Pre medical or equivalent qualifications earned from a recognized board/institution with at least 50% marks



SCHEME OF STUDIES

Semester 1

Code	Subject Name	Cr. Hours
DT-411	Basic Human Anatomy	4 (3 + 1)
DT-412	Basic Human Physiology	4 (3 + 1)
DT-413	Basic Bio-Chemistry	4 (3 + 1)
DT-414	English	3 (3 + 0)
DT-415	Pakistan Studies	2 (2 + 0)
Total		17

Semester 3

Code	Subject Name	Cr. Hours
DT-431	Science of Dental Material-I	3 (2 + 1)
DT-432	Dental Pharmacology	3 (2 + 1)
DT-433	Oral Pathology and oral Medicine-I	3 (2 + 1)
DT-434	Oral Microbiology	3 (2 + 1)
DT-435	Oral Physiology and Tooth Morphology	4 (3 + 1)
DT-436	Computer Skills	2 (1 + 1)
Total		18

Semester 5

Code	Subject Name	Cr. Hours
DT-451	Periodontology-I	3 (2 + 1)
DT-452	Removable Partial Denture Prosthodontics	3 (2 + 1)
DT-453	Removable Orthodontics	3 (2 + 1)
DT-454	Operative Dentistry-	3 (2 + 1)
DT-455	Minors of Oral Surgery-I	3 (2 + 1)
DT-456	Fundamental of Oral and Maxillofacial Radiography	3 (2 + 1)
Total		18

Semester 7

Code	Subject Name	Cr. Hours
DT-471	Fixed Partial Denture (Crown and Bridge Design)	3 (2 + 1)
DT-472	Dental Implantology	3 (2 + 1)
DT-473	Advances in Dental Technology	3 (2 + 1)
DT-474	Maxillofacial Prostheses	3 (2 + 1)
DT-475	Biostatistics	3 (3 + 0)
DT-476	Research Methodolog	3 (3 + 0)
Total		18

Semester 2

Code	Subject Name	Cr. Hours
DT-421	Human Anatomy of Head and Neck	3 (2 + 1)
DT-422	General Pharmacology	4 (3 + 1)
DT-423	General Pathology	3 (2 + 1)
DT-424	Fundamentals of Dental Technology	3 (2 + 1)
DT-425	Islamic Studi	2 (2 + 0)
DT-426	Communication Skills	2 (2 + 0)
Total		17

Semester 4

Code	Subject Name	Cr. Hours
DT-441	Science of Dental Material-II	3 (2 + 1)
DT-442	Community Dentistry	3 (2 + 1)
DT-443	Oral Histology	3 (2 + 1)
DT-444	Fundamental of Infection Control	3 (2 + 1)
DT-445	Oral Pathology and Oral Medicine-I	3 (2 + 1)
DT-446	Behavioral Sciences	2 (2 + 0)
Total		17

Semester 6

Code	Subject Name	Cr. Hours
DT-461	Periodontology-II	3 (2 + 1)
DT-462	Removable Complete Denture Prosthodontics	3 (2 + 1)
DT-463	Fixed Orthodontics	3 (2 + 1)
DT-464	Operative Dentistry-II	3 (2 + 1)
DT-465	Minors of Oral Surgery-II	3 (2 + 1)
DT-466	Pediatric Dentistry	
Total		18

Semester 8

Code	Subject Name	Cr. Hours
DT-481	Research Project	6 (0 + 6)
DT-482	Bioethics	2 (2 + 0)
DT-483	Bio Entrepreneurship	2 (2 + 0)
DT-484	Seminar	1 (0 + 1)
Total		11

BS RADIOLOGY TECHNOLOGY

COURSE OVERVIEW

The aim of the 4 years degree program in Radiology is to skills, techniques and ethical values to enable them to apply their acquired expertise at a level between the doctors and the patient for efferent heal1h service delivery.

SKILLS TO BE LEARNT DURING BS RADIOLOGY COURSE

- Demonstrate good knowledge of the detailed Human Anatomy and Physiology
- Ability to learn and master the operation of simple / advanced sophisticated imaging machinery.
- Ability to identify trouble-shooting & problems related to the equipments used in Radiology.
- Perform maintenance and corrective measures on imaging instruments, where required.
- Demonstrate complete knowledge and technical skills regarding the diagnostic Radiology Technology including X-Rays, Medical Sonography, Computerized Tomography (CT), Magnetic Resonance Imaging (MRI), Nuclear Medical, Fluoroscopes, and cardiovascular imaging etc.
- Explaining the patient about the procedure, precautions and correct positioning.
- Place the equipment in the proper position in relation to patients body determine the proper machine settings.
- Demonstrate knowledge and proper usage of the radiation protection equipments.
- Manage small administrative issues of the department including purchase / replacement of the related equipment.
- Maintenance of work records, dye, and chemical storage, up to date methodology and miscellaneous duties.
- Complete work in compliance with the quality assurance policies and procedures.
- Maintenance of stock solution, controls and equipments.



- Ability to communicate effectively both verbally and in writing.
- Basic computer skills and knowledge of the Microsoft office suite.
- Knowledge of record keeping.
- The ability to analyze and modify the imaging techniques according to the circumstances.
- Attend continuing education programs as funding and work load permits.
- Instruct and teach the junior staff and training technologists

PROGRAM EDUCATIONAL OBJECTIVES (PEOS):

- Upon the completion of Radiology Technology program, the students:
- will have the fundamental knowledge of Radiology Technology to pursue their career and workplace needs.
- will have the intellectual curiosity to actively participate in the innovation/research, acquisition of new knowledge and skills to refine their technical abilities.
- will have the ability to critically analyze, communicate, diagnose and solve problems efficiently for the benefits of society.
- will demonstrate interpersonal, inter-professional and entrepreneurial skills to contribute towards society.

ELIGIBILITY CRITERIA

The applicant should have FSc. Pre medical or equivalent qualifications earned from a recognized board/institution with at least 50% marks

SCHEME OF STUDIES

Semester 1

Code	Subject Name	Cr. Hours
RAD-411	Biochemistry - I (Theory+Lab)	3+1
RAD-412	Human Physiology - I (Theory+Lab)	3+1
RAD-413	Human Anatomy - I (Theory+Lab)	3+1
RAD-414	English - I	2
RAD-415	Pak Studies	2
RAD-416	Computer Skills (Theory+Lab)	1+1
Total		18

Semester 3

Code	Subject Name	Cr. Hours
RAD-411	Regional and Radiological Anatomy - II (Theory+Lab)	2+1
RAD-431	General Radiology (Theory+Lab)	2+1
RAD-432	Radiation Sciences and Technology (Theory+Lab)	2+1
RAD-433	General Pathology (Theory+Lab)	2+1
RAD-434	General Pharmacology (Theory+Lab)	2+1
RAD-435	Communication Skills	2
Total		17

Semester 5

Code	Subject Name	Cr. Hours
RAD-451	Computed Tomography (CT) (Theory+Lab)	2+2
RAD-452	Mammography & Special Radiological Techniques (Theory+Lab)	2+1
RAD-453	Magnetic Resonance Imaging (MRI) (Theory+Lab)	2+2
RAD-454	General Surgery (Theory+Lab)	1+1
RAD-455	Interventional Radiology (Theory+Lab)	1+1
RAD-456	Clinical Medicine - II (Theory+Lab)	1+1
Total		17

Semester 7

Code	Subject Name	Cr. Hours
RAD-471	Clinical Sonography (Theory+Lab)	2+2
RAD-472	Angiography and Cardiac Imaging (Theory+Lab)	2+2
RAD-473	Nuclear Medicine (Theory+Lab)	2+1
RAD-474	Echocardiography (Theory+Lab)	1+1
	Electrocardiography (ecg) (Theory+Lab)	1+1
RAD-475	Clinical Pathology & Radiological	
RAD-476	Presentation (Theory+Lab)	1+1
Total		17

Semester 2

Code	Subject Name	Cr. Hours
RAD-421	Biochemistry - II (Theory+Lab)	3+1
RAD-422	Human Physiology - II (Theory+Lab)	3+1
RAD-423	Human Anatomy - II (Theory+Lab)	3+1
RAD-424	English - II (Theory+Lab)	2
RAD-425	Islamic Studies (Theory+Lab)	2
Total		16

Semester 4

Code	Subject Name	Cr. Hours
RAD-441	Clinical Medicine - I (Theory+Lab)	1+1
RAD-442	Regional and Radiological Anatomy - II (Theory+Lab)	2+1
RAD-443	Conventional Radiology Procedures & Clinical Practice (Theory+Lab)	2+2
RAD-444	Radiological Positioning & Clinical Practice (Theory+Lab)	2+2
RAD-445	Computed & Digital Radiography (cr & Dr) (Theory+Lab)	1+1
RAD-446	Radiobiology & Radiation Protection (Theory+Lab)	1+1
Total		17

Semester 6

Code	Subject Name	Cr. Hours
RAD-461	Radiological & Cross Sectional Anatomy (Theory+Lab)	2+1
RAD-462	Computed Tomography (CT) Procedures & Clinical Practice (Theory+Lab)	2+1
RAD-463	Magnetic Resonance Imaging (MRI) Procedures & Clinical Practice (Theory+Lab)	2+1
RAD-464	Therapeutic Radiology (Theory+Lab)	2+1
RAD-465	Biostatistics	3
RAD-466	Research Methodology	3
Total		18

Semester 8

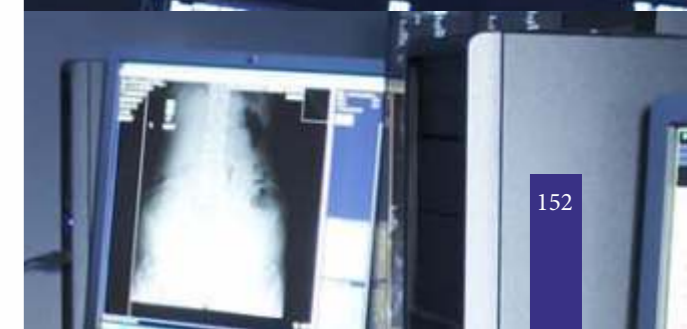
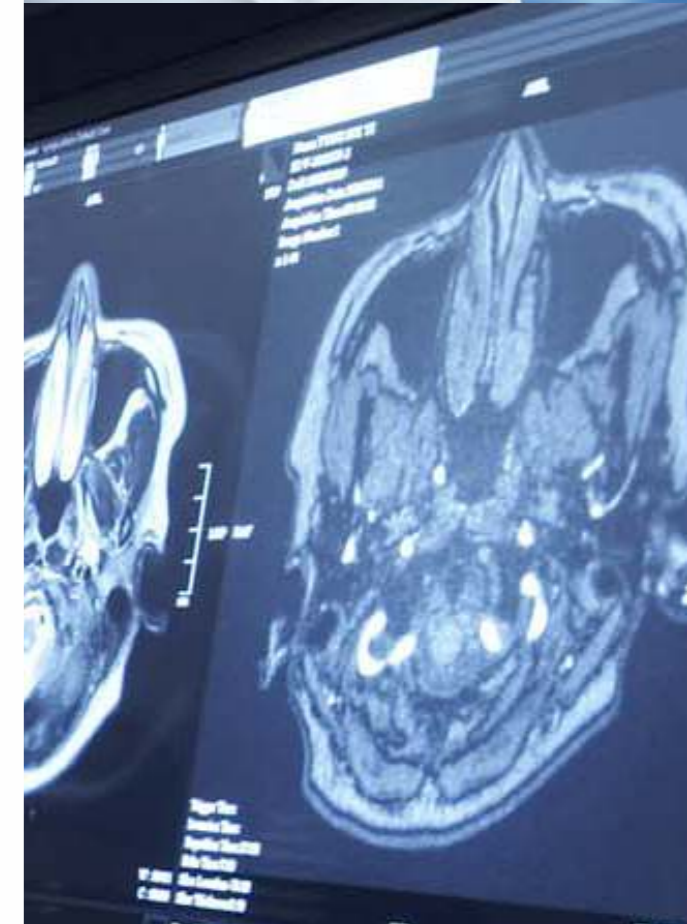
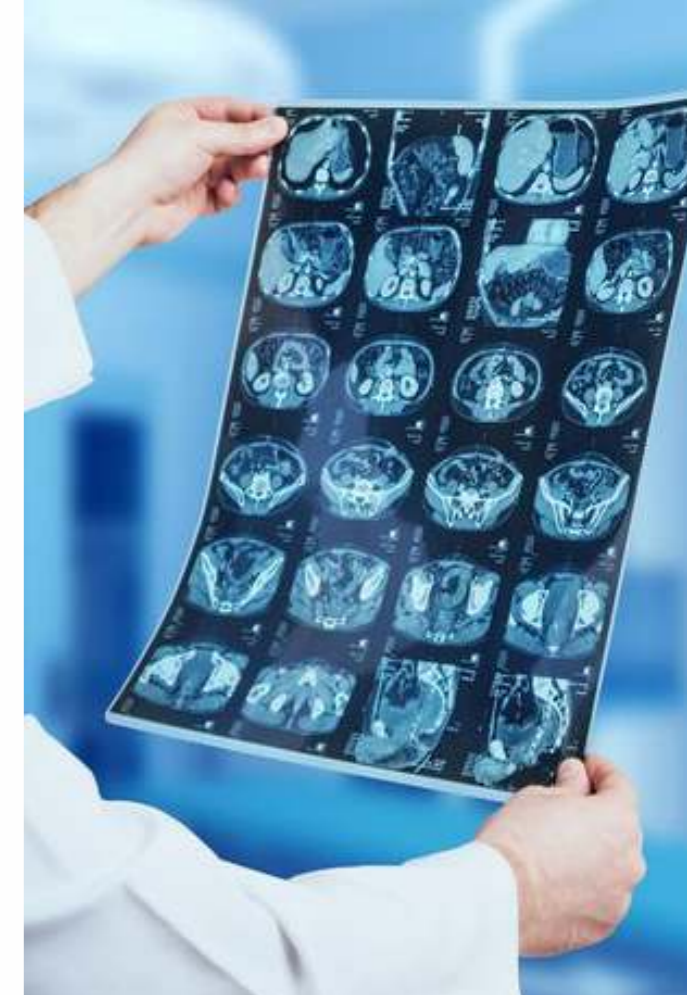
Code	Subject Name	Cr. Hours
RAD-481	Patient Care & Management	2
RAD-482	Medical Sociology	2
RAD-483	Bio-Ethics	2
RAD-484	Bio-Entrepreneurship	2
RAD-485	Research Project	6
Total		14

LIST OF EVENTS CONDUCTED:

- MoU signing ceremony between Peshawar Institute of Medical Sciences/Pak-International Medical College Hayatabad Peshawar and Faculty of Allied Health Sciences Iqra National University was held on 9th of December 2016, for collaboration in clinical training of students from Allied Health Sciences Iqra National University, through Peshawar Institute of Medical Sciences.
- MoU Signing Ceremony for clinical attachment of Allied Health Sciences Students with Mohammadi Hospital / IMRC / Pakistan Heart Foundation was held today 27th March 2017
- An hour Session on weekly basis on Research Techniques to the senior batch students as per the requirements of modern era
- Conducted blood grouping seminar in collaboration with Health & Wellness society of INU.
- Conducted Thalassemia Awareness Seminar in collaboration with Welfare Society of INU.
- One day Basic life support training in collaboration with Rescue-1122.
- One day free medical camp for pregnant and lactating mothers regarding health care and dietary choices.

Training

- Workshops arranged for faculty classroom Management skills.



BS SURGICAL SCHEME OF STUDIES

Semester 1

Code	Subject Name	Cr. Hours
ST-411	BIOCHEMISTRY-I	3+1
ST-412	HUMAN PHYSIOLOGY-I	3+1
ST-413	HUMAN ANATOMY-I	3+1
ST-414	ENGLISH-I	2+0
ST-415	PAK STUDIES	2+0
ST-416	COMPUTER SKILLS	1+1
Total		18

Semester 2

Code	Subject Name	Cr. Hours
ST-421	BIOCHEMISTRY-II	3+1
ST-422	HUMAN PHYSIOLOGY-II	3+1
ST-423	HUMAN ANATOMY-II	3+1
ST-424	ENGLISH-II	2+0
ST-425	ISLAMIC STUDIES	2+0
Total		16

Semester 3

Code	Subject Name	Cr. Hours
ST-431	SURGICAL INSTRUMENTS /EQUIPMENTS	2+1
ST-432	PATHOLOGY-I	2+1
ST-433	MEDICAL MICROBIOLOGY-I	1+1
ST-434	COMMUNICATION SKILLS	2+1
ST-435	PHARMACOLOGY	2+1
ST-436	HEAMATOLOGY_1	1+0
ST-437	QUALITY ASSURANCE AND BIOSAFETY	
Total		18

Semester 4

Code	Subject Name	Cr. Hours
ST-441	SURGICAL SETUP AND POSITIONING	2+1
ST-442	PHARMACOLOGY -II	2+1
ST-443	MEDICAL MICROBIOLOGY-II	2+1
ST-444	DIAGNOSTIC IMAGING	1+1
ST-445	PATHOLOGY-I	2+1
ST-446	BEHAVIRAL SCIENCES	2+0
ST-447	STERILIZATION AND DISINFECTION	1+1
Total		18

Semester 5

Code	Subject Name	Cr. Hours
ST-451	SURGICAL EMERGENCY_1	2+1
ST-452	ENT SURGERY	2+1
ST-453	SURGICAL IC_1	2+1
ST-454	ANESTHESIA EQUIPMENT	2+1
ST-455	SURGICAL PHARMACOLOGY	1+1
ST-457	GENERAL SURGERY	2+1
Total		17

Semester 6

Code	Subject Name	Cr. Hours
ST-461	BIOSTATISTICS	2+1
ST-462	PERI OPERATIVE CAR	2+1
ST-463	RESEARCH METHODOLOGY	2+1
ST-464	CLINICAL OPERATIVE GENERAL SURGERY	2+1
ST-465	CLINICAL OPERATIVE GYNECOLOGY OBSTETRICS	2+1
ST-466	DIAGNOSTIC PROCEDURE	1+1
Total		17

Semester 7

Code	Subject Name	Cr. Hours
ST-471	FUNDAMENTAL OF INFECTION CONTROL	1+1
ST-472	CLINICAL OPERATIVE PEDIATRIC SURGERY	2+1
ST-473	CLINICAL OPERATIVE THORACIC SURGERY	2+1
ST-474	CLINICAL OPERATIVE NEURO SURGERY	2+1
ST-475	EPIDEMIOLOGY	1+1
ST-476	CLINICAL OPERATIVE UROLOGY SURGERY	2+1
Total		16

Semester 8

Code	Subject Name	Cr. Hours
ST-481	RESEARCH PROJECT/SEMINAR	6
ST-482	CLINICAL OPERATIVE ORTHOPEDIC SURGERY	2+1
ST-483	MEDICAL ETHICS	2+0
ST-484	ENDOSCOPY AND ROBOTIC SURGERY	2+1
Total		14

ELIGIBILITY CRITERIA

TOTAL CREDIT HOURS 134

The applicant should have FSc. Pre medical or equivalent qualifications earned from a recognized board/institution with at least 50% marks

BS CARDIOLOGY SCHEME OF STUDIES

Semester 1

Code	Subject Name	Cr. Hours
PMS-101	BIOCHEMISTRY-I	3+1
PMS-102	HUMAN PHYSIOLOGY-I	3+1
PMS-103	HUMAN ANATOMY-I	3+1
PMS-104	ENGLISH-I	2+0
PMS-105	PAK STUDIES	2+0
PMS-106	COMPUTER SKILLS	1+1
Total		18

Semester 2

Code	Subject Name	Cr. Hours
PMS-107	BIOCHEMISTRY-II	3+1
PMS-108	HUMAN PHYSIOLOGY-II	3+1
PMS-109	HUMAN ANATOMY-II	3+1
PMS-110	ENGLISH-II	2+0
PMS-111	ISLAMIC STUDIES	2+0
Total		16

Semester 3

Code	Subject Name	Cr. Hours
PMS-204	HEMATOLOGY-I	2+1
PMS-207	MEDICAL MICROBIOLOGY-I	2+1
PMS-213	CARDIOPULMONARY ANATOMY	2+1
PMS-202	PHARMACOLOGY-I	2+1
PMS-226	COMMUNICATION SKILLS	1+1
PMS-201	GENERAL PATHOLOGY-I	2+1
Total		17

Semester 4

Code	Subject Name	Cr. Hours
PMS-221	GENERAL PATHOLOGY-II	2+1
PMS-227	MEDICAL MICROBIOLOGY-II	2+0
PMS-242	ELECTROCARDIOGRAPHY-I	2+1
PMS-218	CARDIOPULMONARY PHYSIOLOGY	2+1
PMS-226	HEMATOLOGY-II	1+1
PMS-220	PHARMACOLOGY-II	2+1
PMS-206	BEHAVIOURAL SCIENCES	2+0
Total		18

Semester 5

Code	Subject Name	Cr. Hours
PMS-369	CLINICAL MEDICINE-I	2+1
PMS-370	ELECTROPHYSIOLOGY	2+1
PMS-371	ECHOCARDIOGRAPHY-I	2+1
PMS-372	ELECTROCARDIOGRAPHY-II	2+1
PMS-373	INTERVENTIONAL CARDIOLOGY	2+1
PMS-374	MEDICAL PHYSICS	2+1
Total		18

Semester 6

Code	Subject Name	Cr. Hours
PMS-310	RESEARCH METHODOLOGY	2+1
PMS-375	CLINICAL MEDICINE-II	2+1
PMS-308	BIOSTATISTICS	2+1
PMS-377	DIAGNOSTIC EQUIPMENTS IN CARDIOLOGY	2+1
PMS-378	ECHOCARDIOGRAPHY-II	2+1
PMS-379	PULMONARY DISEASES	2+1
Total		18

Semester 7

Code	Subject Name	Cr. Hours
PMS-442	NUCLEAR CARDIOLOGY	2+1
PMS-443	HEART DISEASES	2+1
PMS-328	CRITICAL CARE	2+1
PMS-448	PREVENTIVE CARDIOLOGY	2+1
PMS-404	EPIDEMIOLOGY	2
PMS-376	CARDIAC SURGERY	2+1
Total		17

Semester 8

Code	Subject Name	Cr. Hours
PMS-407	RESEARCH PROJECT	6
PMS-408	SEMINAR	1
PMS-450	SUBJECT OF OWN INTEREST	
		2+2
Total		11

ELIGIBILITY CRITERIA

TOTAL CREDIT HOURS 133

The applicant should have FSc. Pre medical or equivalent qualifications earned from a recognized board/institution with at least 50% marks

BS ANESTHESIA

INTRODUCTION

The BS Anesthesia course is a four years degree programmed aimed at training students in the technological spheres of anesthesia care with a good scientific foundation. These students will be in a position to assist the health care provider (Anesthesiologist, Surgeon). On completion of the course they will play a key role in determine the quality of health care facilities in the province, country and across the globe. With advance training in the latest technology these students will able to open the door of new research in anesthesia technology and ensure the safety of the patient at the maximum.

OBJECTIVES

To equip the anesthesia technologist with modern skills and latest technical knowledge to help in health care delivery system and to prepare the graduate for higher studies and research purpose.

COURSE OVERVIEW

- Programmed duration: 4 year
- Total semester: 8 semesters
- Total credit hours: 124-142
- Course load per semester: 16-18 Cr/hour

SCHEME OF STUDIES

Semester 1

Code	Subject Name	Cr. Hours
ANT -411	Biochemistry - I	3+1
ANT -412	Physiology - I	3+1
ANT -413	Anatomy - I	3+1
ANT -414	English - I	2+0
ANT -415	Pak Studies	2+0
ANT -416	Computer Skills	2+0
Total		18

Semester 2

Code	Subject Name	Cr. Hours
ANT -421	Biochemistry - II	3+1
ANT -422	Physiology - II	3+1
ANT -423	Anatomy - II	3+1
ANT -424	English - II	2+0
ANT -425	Islamic Studies	2+0
ANT -426	Behavioural Sciences	
Total		18

Semester 3

Code	Subject Name	Cr. Hours
ANT -431	Anatomy Related to Anesthesia	2+1
ANT -432	General Pathology - 1	2+1
ANT -433	Pharmacology - 1	2+1
ANT -434	Microbiology - I	2+1
ANT -435	Hematology	2+1
ANT -436	Communication Skill	2+0
Total		17

Semester 4

Code	Subject Name	Cr. Hours
ANT -441	Physiology Related to Anesthesia	2+1
ANT -442	Physics Related to Anesthesia	2+1
ANT -443	Behavioural Science	2+0
ANT -444	Blood Banking	2+1
ANT -445	General Pathology - II	2+1
ANT -476	G/pharmacology - II	2+1
Total		17

Semester 5

Code	Subject Name	Cr. Hours
ANT -451	Pharmacology Related to Anesthesia	2+1
ANT -452	Anesthesia Equipment	2+1
ANT -453	History Taking Pre-operative Assessment & Medication Post-ope Care	2+1
ANT -454	Anesthesia and Co-existing Diseases	2+1
ANT -455	Critical Care	2+1
ANT -456	Leadership And Management	2+0
Total		17

Semester 6

Code	Subject Name	Cr. Hours
ANT -461	Different Types of Anesthesia	2+1
ANT -462	Anesthesia Related Complications & their Management	2+1
ANT -463	Anesthesia for Cardiothoracic Surgery	2+1
ANT -464	Anesthesia for Neuro, Emergency & Geriatric Surgery	2+1
ANT -465	Research Methodology	2+1
ANT -466	Biostatics	2+1
Total		18

Semester 7

Code	Subject Name	Cr. Hours
ANT -471	Anesthesia for G/surgery/orthopadeic & Urological Procedures	2+1
ANT -472	Anesthesia for Eye Surgical Procedures	2+1
ANT -473	Anesthesia for Ear, Nose, Throat Surgery	2+1
ANT -474	Anesthesia for Obstetric & Pediatric Surgery	2+1
ANT -475	Fundamental of Infection Controls	2+1
ANT -476	Epidemiology	2+0
Total		17

Semester 8

Code	Subject Name	Cr. Hours
ANT -481	Research Project	6+0
ANT -482	Seminar	1+0
ANT -483	Anesthesia for Dental, Maxillofacial, Head and Neck Surgery	2+1
ANT -484	Bioethics	2+0
Total		20

FACULTY MEMBERS

Dr. Imran Khan
Chairman / Assistant Professor

Ms. Sadaf Baitullah
Program Coordinator

Mr. Shahzad Anwar
Lecturer

Dr. Irfan Ullah Bhattani
Associate Professor

Dr. Shahid Alam
Lecturer

Dr. Attaullah Malik
Lecturer/ Coordinator DPT

Dr. Sara Naeem
Lecturer

Dr. Muhammad Jaffar
Lecturer

Ms. Ambreen
Lecturer

Dr. Muhammad Shahzeb
Lecturer

Dr. Maria Feroze
Lecturer

Dr. Arooba Sajjad
Lecturer

Dr. Kousar Shah jehan
Lecturer

Mr. Nabeel
Demonstrator

Ms. Saima Hadi
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Lecturer

Ms. Maheen Gul
Lecturer

Ms. Nadra
Lecturer

Ms. Sana Khan
Lecturer

Ms. Kalsoom Zia
Lecturer

Mr. Muhammad Sohail
Lecturer

Mr. Amir Afzal Khan
Lecturer

Ms. Pashmina
Lecturer/Coordinator Microbiology

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Lecturer

Ms. Bakhtawar Tufail
Lecturer

Ms. Hajra Iqbal
Lecturer

Ms. Samina Batool
Lecturer

Mr. Saad Haider
Lecturer

Dr. Irfan Ali Khan
Lecturer

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Ms. Salma
Lecturer

Mr. Rahmat
Dental Technologist

Mr. Sadiq Hussain
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Mr. M. Ali Qurashi
Lecturer

Ms. Asma Bibi
Demonstrator

Mr. Zarshad
Lecturer

Mr. Fawad
Demonstrator

Mr. Sumbal
Demonstrator