

PLAN OF STUDY DOCUMENT

Plan of Study Title: POS F25 Medical Imaging Technology

Program: BS Medical Imaging Technology (Radiography)

Program Shift: Morning

Total Semesters: 8

SEMESTER 1

Course Code	Course Title	Theory Cr	Lab Cr	Total Credits
RMT-1707	Radiology for Medical Technologist-I	3	0	3
PHY-1505-I	Physiology (Theory)	2	0	2
ANA-1505-I	Anatomy (Lab)	0	1	1
GEN-1101	Functional English & Communication Skills	3	0	3
GEN-1701	Islamic Studies	2	0	2
GE-111	Contemporary Mathematics	3	0	3
GEN-1802	Life & Academic Skills	2	0	2
GEN-1501	Pakistan Studies	2	0	2
PHY-1505-I	Physiology (Lab)	0	1	1
ANA-1505-I	Anatomy (Theory)	2	0	2
Semester Total Credits:				21

SEMESTER 2

Course Code	Course Title	Theory Cr	Lab Cr	Total Credits
PTH-1404-I	Pathology (Theory)	2	0	2
PTH-1404-I	Pathology(Lab)	0	1	1
RAN-1505-I	Radiological Anatomy (Theory)	2	0	2
RAN-1505-I	Radiological Anatomy (Lab)	0	1	1
CPR-1	Clinical Practicum I	0	3	3
GEN-1801	Basic Health Awareness	2	0	2
GEN-2503	Constitution & Legal System of Pakistan	2	0	2
Semester Total Credits:				13

SEMESTER 3

Course Code	Course Title	Theory Cr	Lab Cr	Total Credits
GEN-1301	Information & Communication Technology Skills	2	0	2
GEN-2602	Leadership & Community Service	2	0	2
GEN-2803	Urdu Literature	2	0	2
GEN-2502	Civilization, Society & State	2	0	2
RMT-2707-I	Radiology for Medical Technologist-II	3	0	3
MIP-2707-I	Medical Imaging Physics I (Lab)	0	1	1
CPR-2	Clinical Practicum II	0	3	3
MIP-2707-I	Medical Imaging Physics I (Theory)	2	0	2
GEN-1702	Fehm e Quran-I	1	0	1
Semester Total Credits:				18

SEMESTER 4

Course Code	Course Title	Theory Cr	Lab Cr	Total Credits
GEN-2601	Introduction to Business & Entrepreneurship	2	0	2
RMT-2707-I	Radiology for Medical Technologist-III	3	0	3
CPR 3	Clinical Practicum III (MLT)	0	3	3
MIP-2707-I	Medical Imaging Physics II (Lab)	0	1	1
MIP-2707-I	Medical Imaging Physics II (Theory)	2	0	2
GEN-1703	Fehm-e-Quran-II	1	0	1
Semester Total Credits:				12

SEMESTER 5

Course Code	Course Title	Theory Cr	Lab Cr	Total Credits
IPT-3606-I	Introduction to Pharmacology and Pharmacokinetics (Theory)	2	0	2
IPT-3606-I	Introduction to Pharmacology and Pharmacokinetics (Lab)	0	1	1
ECG-3808-I	Echocardiography (Theory)	2	0	2
ECG-3808-I	Echocardiography (Lab)	0	1	1
CSA-3805-I	Cross Sectional Anatomy I (Lab)	0	1	1
ULT-3808-I	Ultrasound (Theory)	2	0	2
ULT-3808-I	Ultrasound (Lab)	0	1	1
ACT-3808-I	Advanced Computed Tomography (Theory)	2	0	2
ACT-3808-I	Advanced Computed Tomography (Lab)	0	1	1
CPR-4	Clinical Practicum IV	0	3	3
CSA-3805-I	Cross Sectional Anatomy I (Theory)	2	0	2
Semester Total Credits:				18

SEMESTER 6

Course Code	Course Title	Theory Cr	Lab Cr	Total Credits
AFL-3808-I	Advanced Fluoroscopy (Theory)	2	0	2
AFL-3808-I	Advanced Fluoroscopy (Lab)	0	1	1
CSA-3805-I	Cross Sectional Anatomy II (Theory)	2	0	2
CSA-3805-I	Cross Sectional Anatomy II (Lab)	0	1	1
AMI-3808-I	Advanced Magnetic Resonance Imaging (Theory)	2	0	2
AMI-3808-I	Advanced Magnetic Resonance Imaging (Lab)	0	1	1
MST-3808-I	Mammography and Special Radiological Techniques (Theory)	2	0	2
MST-3808-I	Mammography and Special Radiological Techniques (Lab)	0	1	1
NMD-3707-I	Nuclear Medicine	3	0	3
CPR-5	Clinical Practicum V	0	3	3
Semester Total Credits:				18

SEMESTER 7

Course Code	Course Title	Theory Cr	Lab Cr	Total Credits
ITH-4707-I	Intervention Radiology(Angiography and Cardiac Imaging) (Theory)	2	0	2
CPR-6	Clinical Practicum VI	0	3	3
MDI-4707-I	Microscopy and Digital Imaging (Theory)	2	0	2
MDI-4707-I	Microscopy and Digital Imaging (Lab)	0	1	1
CAC-4404-I	Cell and Cancer	3	0	3
INR-4707-I	Intervention Radiology(Angiography and Cardiac Imaging) (Lab)	0	1	1
IN-1	Internship-MIT	0	3	3
Semester Total Credits:				15

SEMESTER 8

Course Code	Course Title	Theory Cr	Lab Cr	Total Credits
ITH-4707-I	Introduction to Theranostics (Theory)	2	0	2
ITH-4707-I	Introduction to Theranostics (Lab)	0	1	1
BMW-4202-I	Bio-Waste Management	2	0	2
RME-4101-I	Research Methodology and Medical Ethics	3	0	3
RAI-4707-I	Advances in Radiology and Artificial Intelligence	3	0	3
CP-1	Capstone Project-I	0	3	3
Semester Total Credits:				14

Overall Program Summary

Total Credit Hours: 129

Total Semesters: 8