MEDICAL RADIOGRAPHY TECHNOLOGY PROGRAM

IMMERSION SCHEDULE

Immersion Schedule

Cohort August 2024

Week	Day	Course	Learning Objectives
Week 7	Friday September 20	APPH 226 Apparatus and Image Management	Creating an exposure – anode and cathode Generator, kVp and mAs, Tube détente and centering to detector SID and OID
Week 8	Friday September 27	APPH 226 Apparatus and Image Management	Creating an exposure – anode and cathode Generator, kVp and mAs, Tube détente and centering to detector SID and OID
Week 9	Friday October 4	APPH 226 Apparatus and Image Management	Collimation and Scatter Contrast and Density Detail and Distortion (body part centered to detector, tube centered to detector and tube centered to body part) Technique Charts (selection on control panel)
Week 10	Friday October 11	APPH 226 Apparatus and Image Management	Grids, AEC PACS and post processing Artifacts Magnification Repeat and Reject Analysis
Week 11	Friday October 18	MRAD 223 Patient Care 1	**SIM lab for nursing, no immersion**
Week 12	Friday October 25	MRAD 223 Patient Care 1	Patient transfers: wheelchair and stretcher Slider board transfer, boost the patient up the bed, and log roll practice. Practice PPE sequence, donning and doffing, hand hygiene. Patient care in clinical environment – introduction to medical accessory equipment and contrast. Accessory equipment: collars, casts, traction, pulse oximetry, urinary catheters, oxygen administration and equipment, suctioning and cleaning agents. Documentation in Medical Imaging
Week 13	Friday November 1	MRAD 204 Radiographic Technique 1	Positioning and image critique for: hand, thumb, radius, ulna, wrist, scaphoid, forearm, elbow and humerus
Week 14	Friday November 8	MRAD 204 Radiographic Technique 1	Positioning and image critique for: elbow, humerus, shoulder girdle, clavicle, scapula and AC joints
Week 15	Friday November 15	MRAD 204 Radiographic Technique 1	Positioning and image critique for: pelvis, hip, femur and knee

Week 16	Friday November 22	MRAD 204 Radiographic Technique 1	Positioning and image critique for: femur, knee, tibia, fibula, patella, IC fossa, ankle, foot and calcaneus
Week 17	Friday November 29	MRAD 204 Radiographic Technique 1	Review of positioning and image critique for all body parts
Week 21	Friday January 10, **2025**	MRAD 256 Radiographic Technique 2	Positioning and image critique for: C Spine, T Spine, L Spine and pelvis
Week 22	Friday January 17	MRAD 256 Radiographic Technique 2	Positioning and image critique for: pelvis, ribs, sternum, chest and abdomen
Week 23	Friday January 24	MRAD 256 Radiographic Technique 2	Positioning and image critique for skull and facial bones
Week 24	Friday January 31	MRAD 256 Radiographic Technique 2	Positioning and image critique for orbits, nasal bones and sinuses
Week 25	Friday February 7	MRAD 256 Radiographic Technique 2	Review of positioning and image critique for all body parts
Week 26	Friday February 14	MRAD 202 Patient Care 2	**SIM lab for nursing, no immersion**
Week 27	Friday February 21	MRAD 202 Patient Care 2	Managing medical emergencies, codes, taking blood pressure, vitals, clean tech/dirty tech, isolation precautions, patient transfers, medical and surgical asepsis, donning and doffing PPE
Week 28	Friday February 28	MRAD 254 Fluoroscopic Imaging	Fluoroscopic medical imaging equipment: orientation to room, equipment and procedures: upper and lower digestive system. Participate in fluoroscopic cases.
Week 29	Friday March 7	MRAD 254 Fluoroscopic Imaging	Fluoroscopic medical imaging equipment: orientation to room, equipment and procedures: upper and lower digestive system. Participate in fluoroscopic cases.
Week 33	Friday April 4	MRAD 240 Specialized Imaging 1	Medical imaging equipment in the OR, C-arm, portables, patient management, sterile field, observe OR cases, patient transfers, donning and doffing PPE, medical and surgical asepsis
Week 34	Friday April 11	MRAD 240 Specialized Imaging 1	Medical imaging equipment in the OR, C-arm, portables, patient management, sterile field, observe OR cases, patient transfers, donning and doffing PPE, medical and surgical asepsis
Week 46	Friday July 4	MRAD 285 Radiographic Applied Skills	**Venipuncture lab, no immersion**

Week 47	Friday July 11	MRAD 285 Radiographic Applied Skills	Trauma and adaptive radiography, portables and C-arm