

RD 3106 Miscellaneous Imaging Techniques (Credits-01)

Deviations from the routine positioning of trauma and unconscious patients, Trauma tomography (foreign bodies), Skeletal survey, Imaging of soft tissues, Forensic radiography, Macro radiography, Bone densitometry, In ward radiography, Theatre radiography, Xeroradiography.

Mid semester -25% End semesters -75%- T

RD 3107 Practice of Magnetic Resonance Imaging –I (Credits-01)

Cross sectional imaging of MRI, Head, Neck, Chest, Breast, Abdomen, Pelvis, Temporomandibular joint, Upper limb, Lower limb, Whole spine and MR Angiography

Assessment-25% End semesters -75%- P

RD 3108 Care of Patient under Special Circumstances (Credits-02)

Age-specific care, care of impaired hearing, deafness patient, care of patient with burns and other common hazards, care of isolated patient, care of cardiac problems patient, care of patient with respiratory problems, care of shock, burn extremity fracture patient, care of anxious child, care of agitated or confused patient, care of head injury patient, care of spinal cord injured patient, care of patient with drainage tube, patient with communicable diseases.

Mid semester -25% End semesters -75%- T

THIRD YEAR SECOND SEMESTER

RD 3201 Applied Anatomy in CT & MRI (Credits-02)

CT: Brain, Para nasal sinuses, Pituitary, Orbits, temporal bone, Abdomen & Pelvis, Chest, Musculo skeletal system, Angiography, MRI: Brain, Spine, Para nasal sinuses, Pituitary, Orbits, temporal bone, Musculo skeletal system, Abdomen & Pelvis, Angiography, Breast, MRCP.

Mid semester -20% End semesters -80%- T

RD 3202 Practice of Fluoroscopy & Contrast Studies (Credits-02)

Drugs used in radiology, Contrast studies on the Gastrointestinal system, Urinary system, Reproductive system, Vascular system and Hepato biliary system.

Assessment-20% End semesters -40%- P 40%- T

RD 3203 Paediatric imaging (Credits-02)

Paediatric Radiology & Applications, Understanding the psychology, Consent and immobilization, Sedation and anaesthesia, Administration of contrast media, skeletal trauma, orthopaedics, Chest and upper respiratory tract, Abdomen, Neonates, Radiation protection, Non accidental injuries.

Mid semester -20% End semesters -80%-T

RD 3204 Maintenance of Radiography Equipment (Credits-02)

Health safety and necessity of maintenance, Maintenance of : X-ray generators & high tension cables, X-ray tube and its components, Fluoroscopy equipment, Mobile radiography equipment, C-Arm equipment Films, intensifying screens & cassettes, processors, manual & automatic.

Assessment-20% End semesters -80%-T

RD 3205 Practice of Computed Tomography- 1 (Credits-02)

Cross sectional CT imaging of: Head (brain, orbits, TM joints, paranasal sinuses), Neck, Chest (plain & contrast, routine & HRCT), Coronary artery, Abdomen (including CTU), Pelvis

Assessment-25% End semesters -75%- P

RD 3206 In-Service Training-I Radiography (Credits-06)

Plain radiography, fluoroscopy and contrast studies, darkroom procedure and film processing, mobile radiography, dental radiography, trauma radiography.

Assessment-60% End semesters -40%- P