

| Week | Date | Topic | RSNA/AAPM Module | Faculty | |
|---|-----------|---|---|---------|----|
| FUNDAMENTALS | | | | | |
| 1 | 5-Jan-23 | Intro to Radiography (Interactions/X-ray tubes) | Atoms, Radiation and Radioactivity X-Ray Tubes and Spectra | MA | |
| 2 | 12-Jan-23 | Intro to Radiography (Interactions/Terminology) | Interactions of Radiation with Tissue Radiation Measurements and Units | MA | |
| 3 | 19-Jan-23 | Intro to Radiography (Geometry/Contrast/Technique) | Interactions of Radiation with Tissue Radiation Measurements and Units | MA | |
| 4 | 26-Jan-23 | Digital X-Ray Imaging | Radiographic Systems, Digital X-Ray Imaging, Radiographic Image Receptors | MA | |
| INTRODUCTION TO MODALITIES | | | | | |
| 5 | 2-Feb-23 | Intro to Fluoroscopy | Fluoroscopy Systems | JM | |
| 6 | 9-Feb-23 | NO CLASS | Ski Day! | | |
| 7 | 16-Feb-23 | Intro to Mammography | Mammographic Systems | KK | |
| 8 | 23-Feb-23 | Intro to CT | CT Systems, Rad Dose in CT | DZ | |
| IMAGE PERCEPTION, DISPLAY AND PROCESSING | | | | | |
| 9 | 2-Mar-23 | Image Perception, Display and PACS | Image Perception, Display and PACS | DZ | |
| 10 | 9-Mar-23 | Image Processing and Reconstruction | Image Processing and Reconstruction | JM | |
| 11 | 16-Mar-23 | Review Session - Q&A (Assign Take Home Quiz 1) | | | JM |
| RADIATION BIOLOGY AND RADIATION RISK | | | | | |
| 12 | 23-Mar-23 | Basic Radiation Biology I | Basic Radiation Biology | KK | |
| 13 | 30-Mar-23 | Basic Radiation Biology II | Basic Radiation Biology | KK | |
| 14 | 6-Apr-23 | Radiation Protection | Fundamentals of Radiation Protection | KK | |
| 15 | 13-Apr-23 | Radiation Effects | Radiation Effects | KK | |
| 16 | 20-Apr-23 | Radiation Risks and Estimating Cancer Risk | Radiation Dose and Risk, Estimating Cancer Risk from Imaging Procedures | KK | |
| IMAGING MODALITIES | | | | | |
| 17 | 27-Apr-23 | CT Systems | CT Systems | DZ | |
| 18 | 4-May-23 | CT Image Quality, Dose and Protocols | CT Image Quality and Protocols Radiation Dose in CT | DZ | |
| 19 | 11-May-23 | CT Imaging and Rad Prot of Ped Patient | Image Gently: CT Imaging and Radiation Protection of Pediatric Patient | DZ | |
| 20 | 18-May-23 | Basic Ultrasound Imaging and Display | Basic Ultrasound Imaging and Display | JM | |
| 21 | 25-May-23 | Interaction of US Tissue and Doppler | Interaction of US Tissue and Doppler | JM | |
| 22 | 1-Jun-23 | US Artifacts | | Dighe | |
| 23 | 8-Jun-23 | Image Quality & Dose in Rad and Mammo | Image Quality and Dose in Radiography Mammography Image Quality and Dose | DZ | |
| 24 | 15-Jun-23 | Mammo Clinical Lecture | | Liao | |
| 25 | 22-Jun-23 | Fluoroscopy Lab | Radiation Dose and Safety in Interventional Radiology | JM+AW | |
| 26 | 29-Jun-23 | Review Session - Q&A (Assign Take Home Quiz 2) | | | DZ |