

Week	Date	Topic	RSNA/AAPM Module	Faculty
FUNDAMENTALS				
1	6-Jan-22	Intro to Radiography (Interactions/X-ray tubes)	Atoms, Radiation and Radioactivity X-Ray Tubes and Spectra	MA
2	13-Jan-22	Intro to Radiography (Interactions/Terminology)	Interactions of Radiation with Tissue Radiation Measurements and Units	CB
3	20-Jan-22	Intro to Radiography (Geometry/Contrast/Technique)	Interactions of Radiation with Tissue Radiation Measurements and Units	MA
4	27-Jan-22	Digital X-Ray Imaging	Radiographic Systems, Digital X-Ray Imaging, Radiographic Image Receptors	MA
INTRODUCTION TO MODALITIES				
5	3-Feb-22	Intro to US	Refer to lecture Presentation	JM
6	10-Feb-22	Intro to Fluoroscopy	Fluoroscopy Systems	JM
7	17-Feb-22	Intro to Mammography	Mammographic Systems	KK
8	24-Feb-22	NO CLASS	Ski Day!	
9	3-Mar-22	Intro to CT	CT Systems, Rad Dose in CT	DZ
IMAGE PERCEPTION, DISPLAY AND PROCESSING				
10	10-Mar-22	NO CLASS	Research and Electives Day!	
11	17-Mar-22	Image Perception, Display and PACS	Image Perception, Display and PACS	CB
12	24-Mar-22	Image Processing and Reconstruction	Image Processing and Reconstruction	CB
13	31-Mar-22	Review Session - Q&A (Assign Take Home Quiz 1)		DPS
MAGNETIC RESONANCE IMAGING				
14	7-Apr-22	MRI: Fundamentals I	MR Fundamentals	CB
15	14-Apr-22	MRI: Image Formation I	Image Formation	CB
16	21-Apr-22	MRI: Image Formation II	Image Formation	CB
17	28-Apr-22	MRI: Pulse Sequences I	Pulse Sequences	SL
18	5-May-22	MRI: Pulse Sequences II	Pulse Sequences	SL
19	12-May-22	MRI: Pulse Sequences III	Pulse Sequences	SL
20	19-May-22	MRI: Image Characteristics	Image Characteristics	CB
21	26-May-22	MRI: Artifacts	Artifacts	CB
22	2-Jun-22	MRI: Quality/Bioeffects/Safety MRI: Siting and Environmental Protection (self-study)	Quality/Bioeffects/Safety Siting and Environmental Protection (self-study)	KK
		MRI Review Session - review pre-recorded video on your own (Assign Take Home quiz 2)		CB
IMAGING MODALITIES				
23	9-Jun-22	CT Systems	CT Systems	DZ
24	16-Jun-22	CT Image Quality, Dose and Protocols	CT Image Quality and Protocols Radiation Dose in CT	DZ
25	23-Jun-22	CT Imaging and Rad Prot of Ped Patient	Image Gently: CT Imaging and Radiation Protection of Pediatric Patient	DZ
26	30-Jun-22	Basic Ultrasound Imaging and Display	Basic Ultrasound Imaging and Display	JM