Physics of Diagnostic Radiology				**(10,5 p) 2024**		
Day		**Date**	**Time**	**Lectures**	**Lecturer**	**Location**
Wed		18-dec	9.30-11.00	General Introduction	Various	CCK
			12.00-15.00	Practical info on X-ray course, short tour in Hospital	AK/SMK/SM	GKS D1/D2 + TC or Library
Thu		19-dec	09.45-11.00	Radiation Physics of Diagnostic Radiology	GP	GKS D1/D2 + TC or Library
			12.30-13.30	X-ray technology: x-ray tubes and generators	GP	GKS D1/D2 + TC or Library
			13.30-14.30	Image formation in conventional radiography	GP	GKS D1/D2 + TC or Library
			14.30-15.30	X-ray dosimetric quantities	GP	GKS D1/D2 + TC or Library
			15.30-16.30	Exercise: x-ray beam calculations with SpekPy	GP	GKS D1/D2 + TC or Library
Fri		20-dec	9.00-11.00	The Essentials of Image Quality	AO	GKS D1/D2 + TC or Library
			12.00-15.00	Computed Tomography I (Image Quality)	AO	GKS D1/D2 + TC or Library
			15.00-16.00	Demo DQE GR1 (Ge-labbet; B5:11)	AO, RV, SMK	GKS D1/D2 + TC or Library
			16.15-17.15	Demo DQE GR2 (Ge-labbet; B5:11)	AO, RV, SMK	GKS D1/D2 + TC or Library
			17.20-18.20	Demo DQE GR3 (Ge-labbet; B5:11)	AO, RV, SMK	GKS D1/D2 + TC or Library
Tue		07-jan	09.00-11.00	Projection radiography	SMK	GKS D1/D2 + TC or Library
			11.15-14.00	Paediatric X-ray procedures (incl. Lunch break)	SMK	GKS D1/D2 + TC or Library
Wed		08-jan	09.00-11.00	Instrumentation in X-ray Physics.	EW	Huddinge
			12.00-14.00	Laboratory exercise. the X-ray Multimeter GR A	EW	Huddinge
			14.15-16.15	Laboratory exercise. the X-ray Multimeter GR B	EW	Huddinge

Thu		09-jan	09.00-11.00	Auscultation Conventionell (barn) GR1	SMK	Solna
			13.00-16.00	Conventional: Laboratory work GR1	RV, SMK	RAX; lab 5 eller 6; F5:75
Fri		10-jan	09.00-16.00	Auscultation Conventionell (vuxna) GR1, GR2, GR3	ASE	Huddinge
Mon		13-jan	09.00-11.00	Auscultation Conventionell (barn) GR2	SMK	Solna
			12.00-13.30	Mammography	MH	GKS D1/D2 + TC or Library
			14.00-16.00	Auscultation Mammography GR1	JSN	Solna
Tue		14-jan	09.00-11.00	Auscultation Conventionell (barn) GR3	SMK	Solna
			09.00-11.00	Auscultation Mammography GR2	JSN	Solna
			12.30-13.30	Radiologist´s view on IQ-mammo	EA	GKS D1/D2 + TC or Library
			14.00-16.00	Auscultation Mammography GR3	JSN	Solna
			14.00-17.00	Laboratory and calculation exercise. Mammography GR1	MH, JSN	Solna
Wed		15-jan	09.00-12.00	Conventional: Laboratory work GR2	RV, SMK	RAX; lab 5 eller 6; F5:75
			09.00-12.00	Laboratory and calculation exercise. Mammography GR3	MH, JSN	Solna
			13.00-16.00	Conventional: Laboratory work GR3	RV, SMK	RAX; lab 5 eller 6; F5:75
			13.00-16.00	Laboratory and calculation exercise. Mammography GR2	MH, JSN	Solna
Thu		16-jan	09.00-11.30	Computed Tomography I	DT	GKS D1/D2 + TC or Library
			12.30-15.00	Computed Tomography II	DT	GKS D1/D2 + TC or Library
Fri		17-jan	08.00-09.00	Radiologist´s view on IQ-CT	Paulina	PH bokar ett rondrum
			09.30-11.30	CT computational exercises	LB	GKS D1/D2 + TC or Library
			15.30-19.30	Laboratory exercise CT GR1	PH	Solna
Mon		20-jan	09.00-11.00	Auscultation CT GR3	Christian - Kliniklärare på CT i Huddinge	Huddinge
			15.30-19.30	Laboratory exercise CT GR2	PH	Solna

Tue		21-jan	09.00-11.00	Auscultation CT GR1	Christian - Kliniklärare på CT i Huddinge	Huddinge
			13.00-15.00	Auscultation CT GR2	Christian - Kliniklärare på CT i Huddinge	Huddinge
			15.30-19.30	Laboratory exercise CT GR3	PH	Solna
Wed		22-jan	08.00-10.00	CT Computational exercises presentation GR1	LB	Huddinge
			10.00-12.00	CT Computational exercises presentation GR2	LB	Huddinge
			13.00-15.00	CT Computational exercises presentation GR3	LB	Huddinge
Thu		23-jan	08.30-11.30	Angiography and intervention	AK	GKS D1/D2 + TC or Library
			12.30-13.30	Radiologist´s view on IQ –angiography and interventional radiology	JT	GKS D1/D2 + TC or Library
			13.30-16.30	Laboratory exercise. Angiography GR A	MH, AO	KERIC, Solna
Fri		24-jan	08.00-11.00	Auscultation - Angiography and intervention GR A	MH, AK	Hjärtangio/Perifier angio - Solna
			11.30-12.00	Half-time review		
			13.00-16.00	Laboratory exercise. Angiography GR B	MH, AO	KERIC, Solna
Mon		27-jan	08.00-12.00	Auscultation - Angiography and intervention GR B	MH, AK	Hjärtangio/Perifier angio - Solna
Tue		28-jan	09.00-16.00	PCXMC. Software tool / Laboratory exercise. Common x-ray physicist duties; två grupper A och B	AC	Huddinge
Wed		29-jan	09.00-11.00	The Medical Physicist in practice	AS	Huddinge
			12.30-13.30	Dental Radiology	NK	Huddinge
			13.45-14.45	Radiation Protection	AA	Huddinge
			15.00-17.00	Ultrasound	ASE	Huddinge
Thu		30-jan	9.00-12.00	DICOM	GP, RV	GKS D1/D2 + TC or Library
			13.00-14.15	New X-ray technologies	GP	GKS D1/D2 + TC or Library
			14.30-15.45	Quality Management System and deviation reporting	SMK	GKS D1/D2 + TC or Library

Fri		31-jan	09.30-10.30	Seminars Introduction and group work	AK, SMK	GKS D1/D2 + TC or Library
Mon		03-feb	10.30-16.30	Seminars: group work	AK, SM	GKS D1/D2 + TC or Library
Tue		04-feb	09.00-11.00	Seminars: group work and support hour	AK, SM	GKS D1/D2 + TC or Library
			12.00-16.30	seminars: group work	AK, SM	GKS D1/D2 + TC or Library
Wed		05-feb	08.30-11.30	Seminars presentations	AK, SM	GKS D1/D2 + TC or Library
			13.00-14.00	Radiologist´s view on IQ – projection radiography	EN	GKS D1/D2 + TC or Library
Thu		06-feb	10.00-12.00	Review questions	Alla	GKS D1/D2 + TC or Library
Fri		07-feb		back-up time		
Mon		10-feb		back-up time		
Tue		11-feb		**sista dagen för föreläsningar**		
Wed		12-feb				
Thu		13-feb				
Fri		14-feb				
Mon		17-feb				
tue		18-feb		Exam		
Exam date. 18 FEB						
*		Note, deadline for Laboratory exercise reports. 2 weeks after Laboratory exercise date and/or received data				

General Questions session						
Teachers						
AA			Ali Al-Jandeel			
AC			Axel Carlbring			
AK			Angeliki Karambatsakidou			
AO			Artur Omar			
AS			Albert Sundvall			
ASE			Andreas Selin			
DT			Daniel Thor			
EA			Edward Azavedo			
EN			Eva Nordenskjöld-Kvanta			
EW			Erik Wåhlin			
GP			Gavin Poludnowski			
JSN			Jörgen Scherp Nilsson			
JT			Johan Teiler			
LB			Louise Blomkvist			
MH			Markus Hulthén			
NK			Nils Kadesjö			
PH			Pierre Hillergren			
RV			Robert Vorbau			
SMK			Shahla Mobini Kesheh			

SU= Stockholm University						
Primary contact persons.						
AK			Angeliki Karambatsakidou			
MT			Maj Tapper			
SM			Sofia Magrioteli			