

# MAGNETIC RESONANCE IMAGING COURSE 2024, FK8032

## SCHEDULE

Week	Date	Time	Lecture	Location	Teacher
7	Mon 12 feb	09:00-09:45	<b>Course introduction</b>	<a href="#">MSF/CCK</a>	LEN
		10:00-11:00	<b>MRI overview</b>	<a href="#">MSF/CCK</a>	RVP
		11:00-12:00	<b>Basic physics of MRI part 1</b>	<a href="#">MSF/CCK</a>	HVL
		13:00-15:00	<b>Basic Physics of MRI part 2</b>	<a href="#">MSF/CCK</a>	HVL
	Tue 13 feb	09:30-11:30	<b>Spatial encoding</b>	<a href="#">MSF/CCK</a>	SP
		12:30-14:30	<b>Image contrast</b>	<a href="#">MSF/CCK</a>	HVL
	Wed 14 feb	09:30-11:30	<b>Relaxation</b>	<a href="#">MSF/CCK</a>	SNA
		12:30-14:30	<b>Pulse sequences part 1</b>	<a href="#">MSF/CCK</a>	YW
		15:00-16:30	<b>MR-safety theory</b>	NKS B6-10	LEN
		16:30-17:00	<b>MR-safety hands on</b>	NKS B6:11	LEN
	Thu 15 feb	09:30-11:30	<b>Pulse sequences part 2</b>	<a href="#">MSF/CCK</a>	YW
		12:30-14:30	<b>Complex k-space and image space</b>	<a href="#">MSF/CCK</a>	SP
Fri 16 feb	10:00-12:00	<b>Sequence parameters &amp; artifacts</b>	<a href="#">MSF/CCK</a>	HVL	
Sat 17 feb – Sun 18 feb					
8	Mon 19 feb	13:00-14:30	<b>MRI hardware</b>	<a href="#">MSF/CCK</a>	LEN
		14:30-15:45	<b>Biological effects</b>	<a href="#">MSF/CCK</a>	LEN
	Tue 20 feb	09:30-11:30	<b>Clinical applications</b>	<a href="#">MSF/CCK</a>	HM
		12:30-13:30	<b>Clinical protocols</b>	<a href="#">MSF/CCK</a>	HM
	Wed 21 feb	13:00-15:00	<b>Time for questions</b>	<a href="#">MSF/CCK</a>	All
	Thu 22 feb		<b>Study time</b>		
	Fri 23 feb	13:00-15:00	<b>BONUS EXAM</b>	<a href="#">MSF/CCK</a>	LEN
Sat 24 feb – Sun 25 feb					
9	Mon 26 feb	09:00-13:00	<b>k-space lab</b>	<a href="#">MSF/CCK</a> <a href="#">computer room</a>	AF
	Tue 27 feb	09:30-11:30	<b>Flow, angiography, cardiac MRI</b>	<a href="#">MSF/CCK</a>	AF
		12:30-13:30	<b>Perfusion</b>	<a href="#">MSF/CCK</a>	AF
	Wed 28 feb	09:00-11:30	<b>Auscultation</b>	TBD	
	Thu 29 feb	09:30-11:30	<b>The role of fat</b>	<a href="#">MSF/CCK</a>	EP
		12:30-13:30	<b>Acceptance testing</b>	<a href="#">MSF/CCK</a>	YD
Fri 1 mar	12:00-?	<b>Acceptance test lab</b>	Q	YD	
Sat 2 mar – Sun 3 mar					
10	Mon 4 mar		<b>Time for lab reports &amp; reading</b>		
	Tue 5 mar	09:30-11:30	<b>Kursforum &amp; Bonus Exam walkthrough</b>	<a href="#">MSF/CCK</a>	LEN
		12:30-14:30	<b>Implants in an MRI environment</b>	<a href="#">MSF/CCK</a>	LEN
	Wed 6 mar	09:30-11:30	<b>Parallel imaging</b>	<a href="#">MSF/CCK</a>	SS
		12:30-14:30	<b>Partial Fourier techniques</b>	<a href="#">MSF/CCK</a>	SS
	Thu 7 mar	09:30-11:30	<b>MR-RT</b>	<a href="#">MSF/CCK</a>	EP
		12:00-?	<b>Artifact lab</b>	Q	LEN/TD
	Fri 8 mar	09:00-?	<b>Protocol optimization</b>	Q	LEN/TD
Sat 9 mar – Sun 10 mar					

11	Mon 11 mar		Time for lab reports & reading		
	Tue 12 mar	10:00-12:00	Advanced applications	<a href="#">MSF/CCK</a>	TQL
		13:00-14:00	Procurement	<a href="#">MSF/CCK</a>	LEN
		14:00-15:00	Site planning	<a href="#">MSF/CCK</a>	LEN
	Wed 13 mar	13:00-15:00	Pulse sequence exercise	<a href="#">MSF/CCK</a>	AF/YW
	Thu 14 mar	09:30-11:30	Diffusion	<a href="#">MSF/CCK</a>	SS
		11:30-12:00	Journal introduction	<a href="#">MSF/CCK</a>	LEN
Fri 15 mar		Journal work			
Sat 16 mar – Sun 17 mar					
12	Mon 18 mar	09:00-14:00	Journal presentation	<a href="#">MSF/CCK</a>	LEN
	Tue 19 mar	09:30-11:30	MRS	<a href="#">MSF/CCK</a>	SNA
		12.30-15:30	Relaxation exercise	<a href="#">MSF/CCK</a> <a href="#">computer room</a>	HVL
	Wed 20 mar		Study time		
	Thu 21mar		Study time		
	Fri 22 mar	09:30-11:30	Time for questions	<a href="#">MSF/CCK</a>	ALL
Sat 23 mar – Sun 24 mar					
13	Mon 25 mar		Study time		
	Tue 26 mar	10:00-15:00	FINAL EXAM	<a href="#">MSF/CCK</a>	

**Red = mandatory moments**

#### Lecturers

AF Alexander Fyrdahl  
EP Emilia Palmér  
HM Heather Martin  
HVL Hadrien Van Loo  
LEN Love Engström Nordin  
RVP Roberto Vargas Paris  
SNA Sahar Nikkhou Aski  
SP Sven Petersson  
SS Stefan Skare  
TQL Tie-Qiang Li  
TD Torsten Dorniok  
YW Yanlu Wang  
YD Yulia Dragunova