FYS-KJM4740
Lecture schedule – 2014

<u>February:</u>

11.2 Chpt 1-2 ; Intro, Bloch-equation, exitation, precession and relaxation. Image Formation – k-space formalism; Introduction to Pulse sequences – MR signal behaviour and image contrast

18.8 **Vinterferie! No lecture**

25.2 Chpt 2 (cont'd) , Chpt 3; Image Formation – k-space formalism; Introduction to Pulse sequences – MR signal behaviour and image contrast

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Lecture schedule – 2014

March

4.3 Chpt 4, 5; MR signal behaviour & contrast, Steady-state sequences (I)

10.3 **MR Lab I(NB Monday 12.30 at Rikshospitalet)**

18.03 Chpt 5,6; Steady-state sequences (II), Accelerated K-space trajectories (EPI, RARE)

25.3 **home exercise** (all week)

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Lecture schedule – 2014

April

1.4 Chpt7, 8. Magnetisation preparation, Image Quality, signal contrast and noise

7.4 **MR Lab II (NB Monday 12.30 at Rikshospitalet)**

15.4 EASTER WEEK no lecture

22.4 Chpt 9,10 Off-resonance effects, spins in motion, flow effects

29.4 Chpt 11, 12 MR Contrast agents, Advanced CA applications (I)

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May

6.5 Chpt 12, 13 Advanced CA applications (I), MR Angio,

13.5 NO LECTURE

20.5 Chpt 14. Advanced imaging methods; perfusion, diffusion, etc

27.5 Revision - Q&A