

MATERIALS PHYSICS II FYSM400 FALL 2006

Prerequisites: FYSA230, FYSA240, FYSM300

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Lectures: Monday 10-12 FYS2 Wednesday 10-12 YN121 11.9. – 11.12.2006

Exercises: Time and place decided during the first lecture.

Weekly homework exercises should be returned to Michael for grading

Exams: 2 Intermediate exams: Dates decided during the first lecture.

Exams: max $2 \times 30 = 60$ points (pass (1) requires min 15 points from each exam)

Homework: max 40 points (80% performance)

Course total: 100 points, scale: 1 : 50p, 2 : 60p, 3 : 70p, 4 : 80p, 5 : 90p

Literature:

- **Stephen Elliott: *The physics and chemistry of solids*, Wiley 1998**
- Charles Kittel: Introduction to solid state physics, Wiley, 7th, 8th editions
- Neil W. Ashcroft and N. David Mermin: Solid state physics, Holt-Saunders
- P.M. Chaikin and T.C. Lubensky: Principles of condensed matter physics, Cambridge University Press
- Michael P. Marder: Condensed matter physics, Wiley 2000
- J.R. Hook and H.E. Hall: Solid state physics, 2nd edition, Wiley 1991
- Yuri M. Galperin: Introduction to modern solid state physics, **web book**:
<http://www.ioffe.org/lib/galperin/>