**MATERIALS PHYSICS II FYSM400 FALL 2007**

**Prerequisites**: FYSA230, FYSA240, FYSM300

**Lecturer**: Hannu Häkkinen, YN216, phone 260 4719
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**Lectures**: Mondays 10-12 YN121 Wednesdays 10-12 YN121

**Exercises**: Wednesdays 12-14 FL140

Weekly homework exercises need to be returned every Tuesday by noon for grading

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

**Exams**: max 2 x 30 = 60 points (pass (1) requires min 10 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:**

- ***Michael P. Marder: Condensed matter physics, Wiley 2000 (corrected printing)***
- ***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
- 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://folk.uio.no/yurig/fys448/Fys448.html

Website for Marder book:
http://chaos.ph.utexas.edu/~cmp

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