Department of Sciences, Roskilde University,

Ph. D.-course

METHODS IN SOFT MATERIALS SCIENCE, 2014-2015

The course takes place from 9.30 to app. 15.30 on Thursdays in room V of building 27, first floor (at the main entrance to Roskilde University), occasionally at other institutions.

Program

Dec.  4  Random Walks and Diffusion (Jeppe Dyre, RUC)
Dec. 11  Presentation of the participants Ph.D. projects
Dec. 18  Computer Simulations (Thomas Schrøder & Ulf Pedersen, RUC)
Jan.   8  Applications of NMR (Kjeld Schaumburg & Poul Erik Hansen, RUC)
Jan.  15  Static and Dynamic Light Scattering (Lars Øgendal, KU)
Jan.  22  Small Angle Scattering (Kell Mortensen, KU & Dørthe Posselt, RUC)
Jan.  29  Spectroscopy of Ordered Systems (Erik Thulstrup & Jens Spaøl Larsen, RUC)
Feb.   5  Calorimetric Methods (Tage Christensen)
Feb.  12  Rheology (Peter Szabo, DTU)
Feb.  19  Molecular characterization methods (Sokol Ndoni, Nanotech-DTU)
Feb.  26  Applications of above Methods to participants Ph.D.-project

The course corresponds to approximately 40% of a full semester's workload. The following criteria must be satisfied to obtain proof of satisfactory course participation: 1) More than 75% participation; 2) Presentation of two talks (December 11 and February 26).

The course is organized by Jeppe Dyre and Tage Christensen.