

Graduate course in Physical Chemistry

A graduate course in physical chemistry, based on the textbook by *Barry, Rice and Ross*,¹ will be given during the fall 2010 and spring 2011 semesters. The course is given as a joint collaboration between the departments of Chemistry, Physics and Theoretical Physics.

The course involves three sub-courses that may be taken individually.

1. The Structure of Matter (5 hp)
2. Matter In Equilibrium: Statistical Mechanics and Thermodynamics. (7 hp)
3. Physical and Chemical Kinetics (3 hp)

In connection to each lecture/chapter ca. 5 selected exercises will have to be completed. Each part will also end with an exam in the full group, where students are asked to summarize the different chapters of that part.

The schedule for Part 1 is given below.

Part 1. The Structure of Matter

Date	Time	Lecture hall	Chapter(s)	Lecturer
Sept. 2	13.15-14.00	K:L1-L2	Introduction	UO
Sept. 9	13.15-16.00	K:R	1-3	UR
Sept. 16	13.15-16.00	K:M	4	UR
Sept. 23	13.15-16.00	K:M	5	POW
Sept. 30	13.15-16.00	K:M	6	POW
Oct. 7	13.15-16.00	K:L1-L2	7	TP
Oct. 14	13.15-16.00	K:M	8	TP
Oct. 21	13.15-16.00	K:L1-L2	9	GK
Oct. 28	13.15-16.00	K:M	10	GK
Nov. 4	13.15-16.00	K:M	11	JA
Nov. 11	13.15-16.00	K:R	EXAM	

To sign up for the course, please send an e-mail to Majlis Larsson (majlis.larsson@fkem1.lu.se) with your name and affiliation. *As subject of the e-mail please write **BRR***. There will be no further notification, so then just show at the introduction on Sept. 2.

Order your copy of the book asap to make sure it arrives in time.

For any questions concerning the course, please contact Ulf Olsson (course responsible) on ulf.olsson@fkem1.lu.se, or phone: 046 – 222 81 59.

¹ http://www.amazon.com/Physical-Chemistry-Topics/dp/0195105893/ref=sr_1_1/182-2837789-7276268?ie=UTF8&s=books&qid=1276502490&sr=1-1