

Preliminary schedule for the course in Structure Biology (BB2160, 7.5 cr) VT2011

	Date	Time	Room	Type	Topic	Group	Lecturer
Week 2	Fri 14 Jan	10-12	M3	Fri	01-Introduction, Amino Acids & Peptides, Ch 1		CD
		13-15	M3	Fri	02-Secondary Structure & Motifs , Ch 2-3		CD
Week 3	Tue 18 Jan	13-15	M3	Fri	03-Motifs, Topology & Folding, Ch 2-6		CD
	Thu 20 Jan	10-12	M3	Fri	04-Stability & Design, Ch 17		CD
		13-17	RB33	Lab	LAB1 Kinemage 1 – introduction (motifs, folds)	G1	CD, TC
Week 4	Tue 25 Jan	10-12	M3	Fri	05-Folding diseases		CD
		13-17	RB33	Lab	LAB1 Kinemage 1 - introduction (motifs, folds)	G2	CD, TC
	Thu 27 Jan	08-10	M3	Fri	06-Protein-DNA interactions, Ch 7-10		CD
		13-17	RB33	Lab	LAB2 Kinemage 2 - Protein-DNA	G1	CD
Week 5	Mon 31 Jan	10-12	M3	Fri	07-Protein-RNA interactions		MH
		13-17	RB33	Lab	LAB2 Kinemage 2 - Protein-DNA	G2	CD
	Thu 3 Feb	10-12	M3	Fri	08-Signal transduction, Ch 13		CD
		13-17	RB33	Lab	Literature project	G1	CD
Week 6	Tue 8 Feb	10-12	M3	Fri	09-Immune system, viruses, Ch 15, 16		CD
		13-17	RB33	Lab	Literature project	G2	CD
	Wed 9 Feb	10-12	M3	Fri	10-Fibrous proteins, Ch 14		CD
		13-17	RB33	Lab	LAB3 Kinemage 3 – signal, immun, fiber	G1	CD
Week 7	Thu 17 Feb	10-12	M3	Fri	11-Membrane proteins, Ch 12		CD
	Fri 18 Feb	13-17	RB33	Lab	LAB3 Kinemage 3 – signal, immun, fiber	G2	CD
Week 8	Wed 23 Feb	10-12	M3	Fri	12-Protein X-ray Crystallography I, handouts		CD
		13-17	RB33	Lab	LAB4 Kinemage 4 – electron density	G1	CD
	Fri 25 Feb	08-10	M3	Fri	13-Protein X-ray Crystallography II, handouts		CD
		13-17	RB33	Lab	LAB4 Kinemage 4 – electron density	G2	CD
Week 9	Mon 28 Feb	08-10	M3	Fri	14-Homology modeling & Validation		CD
		13-17	RB33	Lab	LAB5 – PDB exercise & model validation	G1	CD
	Fri 4 Mar	08-10	M3	Fri	Face-to-face		CD
		13-17	RB33	Lab	LAB5 – PDB exercise & model validation	G2	CD
Week 10	Tue 8 Mar	09-12	FD41	Sem	Literature presentations	G1,G2	CD
	Wed 9 Mar	09-12	FD41	Sem	Literature presentations	G1,G2	CD
	Thu 10 Mar	09-12	FD41	Sem	Literature presentations	G1,G2	CD
Week 11	Wed 16 Mar	14-18	F1	Ten	Examination	G1,G2	

Lecture hall M3 is located at KTH campus in the "Maskin"-building just opposite to Albanova over the small bridge

Lecture hall F1 is situated at Lindstedts väg 22, KTH campus. Booked for the examination

Computer room RB33 is located at Roslagstullsbacken 33 at Albanova, close to the bus stop and the roundabout

Lecturers: CD, Christina Divne; MH, Martin Hällberg

Assistants: TC, Tien-Chye Tan; MH, Martin Hällberg

Lectures: 30 h per student

Laboration: 24 h per student

Seminars: 3 h per student (to listen to seminar presentations)

All practical sessions (lab) are strictly mandatory. Important information regarding exercises is given after the first lecture on January 14, and therefore, this lecture should be considered mandatory.