

Spectroscopy of biological molecules 2018 (7.5 ECTS credits, KB8023)

Room: **K239?**, KÖL, Arrheniuslaboratoriet, Stockholms Universitet, Frescati (T-bana Universitetet)

Version: 2018 03 29

Date	Day	Mornings			Afternoons		
		Time	Topic/Experiment	Lecturer	Time	Topic/Experiment	Lecturer
30/04	Mon						
01/05	Tue						
02/05	Wed	9-10	Introduction to the course Introduction to spectroscopy	AB		Introduction to spectroscopy	
03/05	Thu		Vibrational spectroscopy			Vibrational spectroscopy Write IR and Raman texts	
04/05	Fri	9 9-11	Deadline IR and Raman texts Tutorial	AB	13-16	Exercise Intro, Vib	BF
07/05	Mon	9-12 10-12	Lab IR (G1) Individual discussion K311 UV/vis spectroscopy (G2)	BF AB	13-16 13-15	Lab IR (G2) Individual discussion K311 Work on lab report IR	BF AB
08/05	Tue		UV/vis spectroscopy			UV/vis spectroscopy Work on lab report IR Write UV/vis text	
09/05	Wed	10 10-12	Deadline UV/vis spectroscopy text Tutorial	AB	13-16	Exercise UV/vis	BF
10/05	Thu						
11/05	Fri		Circular dichroism			Circular dichroism Write CD text	
14/05	Mon	10 10-12	Deadline CD text Tutorial	AB	13-16	Exercise CD	BF
15/05	Tue	9-12 10-12	Lab CD (G2) Individual discussion K311 Fluorescence (G1)	BF AB	13-16 13-15	Lab CD (G1) Individual discussion K311 Work on lab report CD	BF AB
16/05	Wed		Work on lab report CD Fluorescence			Fluorescence	
17/05	Thu		Fluorescence			Fluorescence Write fluorescence text	
18/05	Fri	10 10-12	Deadline fluorescence text Tutorial	AB	13-16 24:00	Exercise fluorescence Email seminar topic	BF
21/05	Mon	9-12 10-12	Lab fluorescence (G1) Individual discussion K311	BF AB	13-16 13-15	Lab fluorescence (G2) Individual discussion K311 Work on lab report fluorescence	BF AB
22/05	Tue	9-12	EPR spectroscopy foundations	AG		Work on lab report fluorescence Write EPR text	
23/05	Wed	9-12	EPR spectroscopy applications	AG	13-16	Exercise EPR	AG
24/05	Thu	10	Deadline fluorescence text Spectroscopic studies of biomembranes			Spectroscopic studies of biomembranes	
25/05	Fri	9-12	Individual discussion K311	AB		Bioenergetics: photosynthesis	
27/05	Sun				24:00	Deadline first submission of lab reports	
28/05	Mon						
29/05	Tue						
30/05	Wed	9-12	Seminars	AB			
31/05	Thu						
01/06	Fri	9-14	Examination	AB			
11/06	Sun	24:00	Deadline final submission of lab reports				

Colour code: Lectures, tutorial, exercises and seminars, individual discussions, laboratory exercises, self-study

Teachers: AB: Andreas Barth, AG: Astrid Gräslund, Lab assistant: BF: Biao Fu