

## Mass Spectrometry KA 7010/7011\* HT 2020

Preliminary Schedule 2020-06-12

Day	Date	Time	Activity	Observe! This schedule will be subject to changes!	Lecturer	Room
Tue	3/11	10:00-11:30	Roll Call, Registration & Information		UN	Zoom
			Introduction - Athena platform- Digital Theory lectures		UN/EE/JG	Zoom
		13.00-16.30	Risk assessments of Lab 1-4		EE/JG	Zoom
Wed	4/11	09:00-12.00	Theory - MS instrumentation, analyzers 1		UN	Digital
		13.00-16.00	Theory - MS instrumentation, analyzers 2		UN	Digital
			Deadline for submission of answers to lab safety test			
Thu	5/11	09:00-11.30	On-line exercises		UN	Zoom
		13.00- 16.00	Theory -Ionization for LC/MS		UN	Digital
			Choice of projects, mandatory for KA7010			
Fri	6/11	09:00-12.00	Theory -LC/MS, continuation		UN	Digital
			Group 1	Group 2	Group 3	Group 4
Mon	9/11	09:00-12.00	Experiment #1 (EE)		Theory - Scan techniques	
		13.00-17.00	Experiment #2 (JG)		Theory - Electron ionization	
Tue	10/11	09:00-12.00	Experiment #2 (JG)		Theory - Electron ionization 2	
		13.00-17.00	Experiment #1 (EE)		On-line exercises	
Wed	11/11	09:00-12.00	Theory - Scan techniques		Digital	Experiment #1 (EE)
		13.00-17.00	Theory - Electron ionization		Digital	Experiment #2 (JG)
Thu	12/11	09:00-12:00	Theory - Electron ionization 2		Digital	Experiment #1 (EE)
		13.00-17.00	On-line exercises		Zoom	
Fri	13/11	09:00-12.00	Theory - Complementary ion tech		UN	Digital
		13.00-15.00	Theory - Complementary ion tech 2		UN	Digital
			Group 1	Group 2	Group 3	Group 4
Mon	16/11	09:00-12.00	Theory - Quantitative MS		UN	Digital
		13.00-16.00	Theory - Fragmentation & spectra		UN	Digital
Tue	17/11	09:00-12:00	Experiment #3 (EE)		Theory - Fragmentation & spectra	
		13.00-17.00	Experiment #4 (JG)		Theory - Fragmentation & spectra	
Wed	18/11	09:00-12:00	Experiment #4(JG)		On-line exercises	
		13.00-17.00	Experiment #3 (EE)		On-line exercises	
Thu	19/11	09:00-12:00	Theory - Fragmentation&spectra		Digital	Experiment #3 (EE)
		13.00-17.00	Theory - Fragmentation&spectra		Digital	Experiment #4 (JG)
Fri	20/11	09:00-12.00	On-line exercises		Zoom	Experiment #4 (JG)
		13:00-17:00	On-line exercises		Zoom	Experiment #3(EE)
			Group 1	Group 2	Group 3	Group 4
Mon	23/11	09:00-12:00	Theory -Fragmentation		UN	Digital
		13.00-17.00	On-line exercises		Zoom	
Tue	24/11	09:00-12:00	Project Work/Planning		Theory -Fragmentation	
		13.00 -17.00	Project Work/Planning		Theory - Fragment & spectra	
Wed	25/11	09:00-12:00	Project Work		On-line exercises	
		13.00-17.00	Project Work		On-line exercises	
Thu	26/11	09:00-12:00	Theory -Fragmentation		Digital	Project Work/Planning
		13.00-17.00	Theory - Fragment & spectra		Digital	Project Work/Planning
Fri	27/11	09:00-12:00	On-line exercises		Zoom	Project Work
		13.00-16:00	On-line exercises		Zoom	Project Work
			Group 1	Group 2	Group 3	Group 4
Mon	30/11	09:00-12:00	Theory - Fragmentation and spectra interpretation		UN	Digital
		13.00-16.00	On-line seminars and feedback Exp 1-4		UN, EE, JG	Zoom
Tis	1/12	09:00-12:00	Project Work		On-line exercises	
		13.00-17.00	Project Work		On-line exercises	
Wed	2/12	09:00-12.00	Project Work		On-line exercises	
		13.00-17.00	Project Work		On-line exercises	
Thu	3/12	09:00-12.00	On-line exercises		Zoom	Project Work
		13.00-17.00	On-line exercises		Zoom	Project Work
Fri	4/12	09:00-12.00	On-line exercises		Zoom	Project Work
		13.00-17.00	On-line exercises		Zoom	Project Work
			Group 1	Group 2	Group 3	Group 4
Mon	7/12	09:00-12:00	Project Work		Theory -Fragmentation peptides	
		13.00-17.00	Project Work		Theory -Fragmentation peptides	
Tis	8/12	09:00-12:00	Project Work		Theory -Fragmentation peptides	
		13.00-17.00	Project Work		Theory -Fragmentation peptides	
Wed	3/12	09:00-12.00	Theory -Fragmentation peptides		Digital	Project Work
		13:00-17:00	Theory -Biomolecular MS		Digital	Project Work
Thu	4/12	09.00-12.00	Theory - Biomolecular MS		Digital	Project Work
		13:00-17:00	Theory - MALDI, State-of-the art MS		UN	Digital
Fri	5/12	09.00-12.00	Theory - MALDI, State-of-the art MS		UN	Digital
			Group 1	Group 2	Group 3	Group 4
Mon	14/12	09:00-12:00	Project Work		On-line exercises	
		13.00-17.00	Project Work		On-line exercises	
Tis	15/12	09:00-12:00	On-line exercises		Zoom	Project Work
		13.00-17.00	On-line exercises		Zoom	Project Work
Wed	16/12	09:00-12.00	Preparation for examination /consultation		UN/EE/JC	Zoom
Thu	17/12	09:00-12.00	Preparation for examination			Digital
Fri	18/12	09.00-14.00	Exam			Digital
			Group 1	Group 2	Group 3	Group 4
Thu	7/1	09.00-17.00	Project Work		On-line consult/report writing	
		09.00-17.00	Project Work		On-line consult/report writing	
Fri	8/1	09.00-17.00	On-line consult/report writing		Zoom	Project Work
			On-line consult/report writing		Zoom	Project Work
			Group 1	Group 2	Group 3	Group 4
Mon	11/1	09.00-17.00	Project Work		On-line consult/report writing	
		09.00-17.00	Project Work		On-line consult/report writing	
Tue	12/1	09.00-17.00	On-line consult/report writing		Zoom	Project Work
			On-line consult/report writing		Zoom	Project Work
Wed	13/1		Preparation for project presentations/revision of report			Project Work
Thu	14/1		Preparation for project presentations			Project Work
Fri	15/1		Project presentations			Project Work
			Project presentations			Project Work

Experiments and Laboratory Project Work (Mandatory, except for KA7011)

Roll call, Introduction, Seminars and Exercises (Mandatory)

\* No Experiments or Project work in KA7011

UN = Ulrika Nilsson      Teacher  
 EE = Emilia Eklund      Lab assistant  
 JG = Johan Gustafsson      Lab assistant