

**Advanced Separation Methods KA 7006 HT-2019**

**2019-06-13**


Day	Date	Time	Activity <i>Observe! This schedule may be subject to changes!</i>	Lecturer	Room
Mon	2/9	12:00-13:00	Roll Call, Registration & Information	CÖ	B237
			Introduction to Advanced Separation Methods		
			The Lab Framework, Lab Notebook & Lab Safety		
			ASM on the Mondo Platform		
		14:00-14:30	Introduction to Project Work & Formation of groups	CÖ/JC/EE	B237
		14:30-15:00	Department tour & Lab safety	JC/EE	B237
Tue	3/9	09:00-11:30	Air Sampling: Particulate phase	CÖ	B237
		12:30-15:00	Air Sampling: Gaseous phase	CÖ	B237
Wed	4/9	09:00-11:30	Sample extraction & Clean-up	CÖ	B237
		12:30-13:00	Photo session	CÖ	B237
		13:00-13:30	Project start - Formation of Project groups	CÖ/JC/EE	B237
		13:30-17:00	<i>Project Work</i>	JC/EE	
Thu	5/9	09:00-11:30	Basic Chromatography	CÖ	B237
		12:30-17:00	<i>Project Work</i>	JC/EE	
Fri	6/9	09:00-11:30	Risk Assessment	HG	B237
		12:30-17:00	<b>Workshop 1 - Risk Assessment</b>	JC/EE	B237
Mon	9/9	09:00-11:30	Qualitative & Quantitative Chromatographic Analysis	CÖ	B237
		12:30-17:00	<b>Workshop 2 - Quantification Calculations - Part 1</b>	CÖ	B237
Tue	10/9	09:00-11:30	Chromatographic Theory	CÖ	B237
		12:30-17:00	<i>Project Work</i>	JC/EE	
Wed	11/9	09:00-12:00	Gas Chromatography: Injection & Detection	CÖ	B237
		12:30-17:00	<i>Project Work</i>	JC/EE	
Thu	12/9	09:00-11:30	Gas Chromatography: Columns & Separation	CÖ	B237
		12:00-17:00	<i>Project Work</i>	JC/EE	
Fri	13/9	09:00-11:30	LC: Principles, The Column, NP & RP-LC	CÖ	B237
		12:00-17:00	<b>Workshop 3 - GC computer simulation</b>	CÖ	B237
Mon	16/9	09:00-11:30	Liquid Chromatographic Methods	CÖ	B237
		12:30-17:00	<b>Workshop 4 - Quantification Calculations - Part 2</b>	CÖ	B237
Tue	17/9	09:00-11:30	Method Development, Evaluation & Validation	CÖ	B237
		12:30-17:00	<i>Project Work</i>		
Wed	18/9	09:00-11:30	Multidimensional & Preparative Chromatography	CÖ	B237
		12:30-17:00	<i>Project Work</i>	JC/EE	B237
Thu	19/9	09:00-17:00	<b>LITERATURE PROJECT WORK</b>	JC/EE	B237
Fri	20/9	09:00-12:00	Statistics - Linear regression, F-test, t-test, ANOVA	CÖ	B237
		12:30-17:00	<b>Workshop 5 - Statistics</b>	CÖ	
Mon	23/9	09:00-17:00	<i>Peer review of reports</i>	JC/EE	
Tue	24/9	09:00-17:00	<i>Correcting &amp; handing in reports</i>	JC/EE	
		24:00	<b>Deadline - Report LITERATURE PROJECT</b>		
Wed	25/9	09:00-12:00	<b>Seminars - Reporting Literature project</b>	CÖ/JC/EE	B237
		13:00-17:00	<i>Project Work</i>	JC/EE	B237
Thu	26/9	9:00-17:00	<i>Project Work</i>		B237
Fri	27/9	9:00-12:00	GC/MS - Ionization Techniques	UN	B237
		12:00-17:00	<b>Workshop 7 - GC/MS Fragmentation</b>	UN	B237
Mon	30/9	9:00-11:00	Mass Spectrometry - <b>Extra Lecture!</b>	UN	B237
		11:30-12:00	<b>Examination - Lab Safety</b>	CÖ	B237
		12:00-17:00	<i>Project Work</i>	JC/EE	B237
		24:00	<b>Deadline - Project plans PROJECT 1 &amp; 2</b>	-	
Tue	1/10	09:00-12:00	GC/MS - The Instrument: Analyzers & Detection	RW	B237
		13:00-17:00			
Wed	2/10	09:00-17:00	<b>EXPERIMENTAL PROJECT #1</b>	JC/EE	
Thu	3/10	09:00-17:00		JC/EE	Lab
Fri	4/10	09:00-17:00		JC/EE	Lab

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Mon	7/10	09:00-17:00			JC/EE	Lab
Tue	8/10	09:00-17:00			JC/EE	Lab
Wed	9/10	09:00-17:00			JC/EE	Lab
Thu	10/10	09:00-17:00	Project Work			
Fri	11/10	09:00-17:00	Project Work			
Sun	13/10	24:00		Deadline - Reports PROJECT 1		
Mon	14/10	9:00-12:00	Seminars - Reporting Experimental Project #1		JC/EE/CÖ	B237
			Experimental Project #1 evaluation		CÖ	
		12:00-17:00	Project Work		-	
Tue	15/10	09:00-17:00	Project Work		-	
Wed	16/10	09:00-17:00	EXPERIMENTAL PROJECT #2		JC/EE	Lab
Thu	17/10	09:00-17:00			JC/EE	Lab
Fri	18/10	09:00-17:00			JC/EE	Lab
Mon	21/10	09:00-17:00			JC/EE	Lab
Tue	22/10	09:00-17:00			JC/EE	Lab
Wed	23/10	09:00-17:00			JC/EE	Lab
Thu	24/10	09:00-17:00	Project Work		-	
Fri	25/10	09:00-17:00	Project Work		-	
Mon	28/10	09:00-17:00	Project Work			
		24:00		Deadline - Reports PROJECT 2		
Tue	29/10	09:00-12:00	Seminars - Reporting Experimental Project #2		JC/EE/CÖ	
			Experimental Project #2 evaluation		CÖ	
			LAB CLEANING		JC/EE	
Wed	30/10	-	Preparation for examination		-	
Thu	31/10	-	Preparation for examination		-	
Fri	1/11	9:00-14:30	Examination		-	B237

*Project Work* = Time scheduled for project management! This means to make literature searches, plan laboratories, get samples, prepare presentations, write reports etc. Use time well, it is a very tight project schedule!

  = Laboratory Project Work (Mandatory)

 = Workshop (Mandatory)

 = Seminars (Mandatory)

CÖ = Conny Östman  
RW = Roger Westerholm  
UN = Ulrika Nilsson  
JC = Josefine Carlsson  
EE = Emilia Eklund  
HG = Hanna Gustavsson