




**Advanced Separation Methods KA 7006 HT-2018**

**2018-08-23**

Day	Date	Time	Activity <b>Observe! This schedule may be subject to changes!</b>	Lecturer	Room
Mon	3/9	12:00-13:00	Roll Call, Registration & Information Introduction to Advanced Separation Methods The Lab Framework, Lab Notebook & Lab Safety ASM on the Mondo Platform	CÖ	B237
		13:00-14:00	Introduction to Clickers <b>Diagnostics I - Clicker Test</b>	CÖ CÖ	B237 B237
		14:00-14:30	Introduction to Project Work & Formation of groups	CÖ/FI/EE	B237
		14:30-15:00	Department tour & Lab safety	FI/EE	B237
		Tue	4/9	09:00-11:30	Air Sampling: Particulate phase
		12:30-15:00	Air Sampling: Gaseous phase	CÖ	B237
Wed	5/9	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/FI/EE	B237
		13:30-17:00	<i>Project Work</i>	FI/EE	
Thu	6/9	09:00-11:30	Qualitative & Quantitative Chromatographic Analysis	CÖ	B237
		12:30-17:00	<b>Workshop 1</b> - Quantification Calculations - Part 1	CÖ	B237
Fri	7/9	09:00-11:30	Risk Assessment	HG	B237
		12:30-17:00	<b>Workshop 2</b> - Risk Assessment	FI/EE	B237
Mon	10/9	09:00-11:30	Basic Chromatography	CÖ	B237
		12:30-17:00	<i>Project Work</i>	FI/EE	
Tue	11/9	09:00-11:30	Chromatographic Theory	CÖ	B237
		12:30-17:00	<i>Project Work</i>	FI/EE	
Wed	12/9	09:00-12:00	Gas Chromatography: Injection & Detection	CÖ	B237
		12:00-17:00	<b>Workshop 4</b> - Quantification Calculations - Part 2	CÖ	B237
Thu	13/9	09:00-11:30	Gas Chromatography: Columns & Separation	CÖ	B237
		12:30-17:00	<b>Workshop 5</b> - GC computer simulation	CÖ	B237
Fri	14/9	09:00-11:30	LC: Principles, The Column, NP & RP-LC	CÖ	B237
		12:00-17:00	<i>Project Work</i>	FI/EE	
Mon	17/9	09:00-11:30	Liquid Chromatographic Methods	CÖ	B237
		12:30-17:00	<i>Project Work</i>	FI/EE	
Tue	18/9	09:00-11:30	Statistics - Linear regression, F-test, t-test, ANOVA	CÖ	B237
		12:30-17:00	<b>Workshop 3</b> - Statistics	CÖ	B237
Wed	19/9	09:00-11:30	Method Development, Evaluation & Validation	CÖ	B237
		12:30-17:00	<i>Project Work</i>	FI/EE	
Thu	20/9	09:00-12:00	Multidimensional & Preparative Chromatography	CÖ	B237
		12:30-17:00	<i>Project Work</i>	FI/EE	
Fri	21/9	09:00-17:00	<b>LITERATURE PROJECT</b>	FI/EE	
Mon	24/9	09:00-17:00	<i>Peer review of reports</i>	FI/EE	
Tue	25/9	09:00-17:00	<i>Correcting &amp; handing in reports</i>	FI/EE	
		24:00	<b>Deadline - Report LITERATURE PROJECT</b>		
Wed	26/9	09:00-12:00	<b>Seminars</b> - Reporting Literature project	CÖ/FI/EE	B237
		13:00-17:00	<i>Project Work</i>	FI/EE	B237
Thu	27/9	09:00-12:00	GC/MS - The Instrument: Analyzers & Detection	RW	B237
		13:00-17:00	<b>Workshop 6</b> - GC/MS data analysis	CÖ	
Fri	28/9	9:00-12:00	GC/MS - Ionization Techniques	UN	B237
		12:00-17:00	<b>Workshop 7</b> - GC/MS Fragmentation	UN	
Mon	1/10	9:00-9:30	<b>Examination - Lab Safety</b>	CÖ	B237
		9:30-17:00	<i>Project Work</i>	FI/EE	B237
		24:00	<b>Deadline - Project plans PROJECT 1 &amp; 2</b>	-	
Tue	2/10	9:00-17:00	<i>Project Work</i>	FI/EE	B237
Wed	3/10	09:00-17:00	<b>EXPERIMENTAL PROJECT #1</b>	FI/EE	
Thu	4/10	09:00-17:00		FI/EE	Lab
Fri	5/10	09:00-17:00		FI/EE	Lab

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Mon	8/10	09:00-17:00			FI/EE	Lab
Tue	9/10	09:00-17:00			FI/EE	Lab
Wed	10/10	09:00-17:00			FI/EE	Lab
Thu	11/10	09:00-17:00	Project Work			
Fri	12/10	09:00-17:00	Project Work			
Sun	14/10	24:00		<b>Deadline - Reports PROJECT 1</b>		
Mon	15/10	9:00-12:00	Seminars - Reporting Experimental Project #1		FI/EE/CÖ	B237
			Experimental Project #1 evaluation (Clickers + Comments)		CÖ	
		12:00-17:00	Project Work		-	
Tue	16/10	09:00-17:00	Project Work		-	
Wed	17/10	09:00-17:00	EXPERIMENTAL PROJECT #2		FI/EE	Lab
Thu	18/10	09:00-17:00			FI/EE	Lab
Fri	19/10	09:00-17:00			FI/EE	Lab
Mon	22/10	09:00-17:00			FI/EE	Lab
Tue	23/10	09:00-17:00			FI/EE	Lab
Wed	24/10	09:00-17:00			FI/EE	Lab
Thu	25/10	09:00-17:00	Project Work		-	
Fri	26/10	09:00-17:00	Project Work		-	
Mon	29/10	09:00-17:00	Project Work			
		24:00		<b>Deadline - Reports PROJECT 2</b>		
Tue	30/10	09:00-12:00	Seminars - Reporting Experimental Project #2		FI/EE/CÖ	
			Experimental Project #2 evaluation		CÖ	
			Diagnostics II - Clicker Test		CÖ	
			LAB CLEANING		FI/EE	
Wed	31/10	-	Preparation for examination		-	
Thu	1/11	-	Preparation for examination		-	
Fri	2/11	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  
FI = Francesco Iadaresta  
EE = Emilia Eklund  
HG = Hanna Gustavsson