

Advanced Separation Methods (KZ7101), 10 ECTS & Quality Control of the Analytical Process (KZ7102), 5 ECTS

Week	Time	Monday	Tuesday	Wednesday	Thursday	Friday
Week 35 (28 Aug-1 sep)	9:00 - 12:00	Roll call Master programme (IS). Introduction to ASM (IS)	Lecture: KZ7101 Basics of chromatographic separation (IS)	Lecture: KZ7101 Sampling (IS)	Lecture: KZ7102 (AK)	Lecture: KZ7101 Extraction techniques (IS)
	13:00 - 17:00	Workshop: The Lab Framework & Introduction to Project Work (JC & DS). Lab & department tour (JC & DS).	Workshop: Lab safety (DS), Workshop: Risk assessment (JC)	Project work preparations	Project work preparations	Lab: KZ7102
Week 36 (4-8 Sep)	9:00 - 12:00	Lecture: KZ7102	Lecture: KZ7101 LC instrumentation + RP basics (AK)	Lecture: KZ7101 Optimization of LC method (AK)	Lecture: KZ7101 Sample preparations (IS)	Lecture: KZ7101 Gas Chromatography Part 1 (IS)
	13:00 - 17:00	Homework KZ7102	Project work preparations	Project work preparations	Deadline for submission of project plans & risk assessments/review by assistants (JC & DS).	Lab: KZ7102
Week 37 (11-15 sep)	9:00 - 12:00	Lecture: KZ7102	Project work 1 KZ7101	Project work 1 KZ7101	Lecture: KZ7101 Capillary electrophoresis (NP)	Lecture: KZ7101 Capillary electrophoresis (NP)
	13:00 - 17:00	Homework KZ7102			Project work 1 KZ7101	Lab: KZ7102
Week 38 (18-22 Sep)	9:00 - 12:00	Lecture: KZ7102	Project work 1 KZ7101	Project work 1 KZ7101	Lecture: KZ7101 Van Deemter equation/in-depth analysis (IS)	Lecture: KZ7101 Gas Chromatography Part 2 (IS)
	13:00 - 17:00	Homework KZ7102			Project work 1 KZ7101	Lab: KZ7102
Week 39 (25-29 Sep)	9:00 - 12:00	Lecture: KZ7102	Preparations: Seminar & report	Preparations: Seminar & report	Seminars: KZ7101 Project 1 presentations (IS/JC/DS). Report submission.	Lecture: KZ7101 Miniaturised Separation methods (NP)
	13:00 - 17:00	Homework KZ7102			Workshop: Simulated Gas Chromatographic Separations (IS)	Lab: KZ7102
Week 40 (2-6 Okt)	9:00 - 12:00	Lecture: KZ7102	Project work 2 KZ7101	Project work 2 KZ7101	Lecture: KZ7101 Miniaturised Separation methods (NP)	Lecture: KZ7101 Other types of LC (AK)
	13:00 - 17:00	Homework KZ7102			Project work 2 KZ7101	Lab: KZ7102

Week 41 (9-13 Okt)	9:00 - 12:00	Lecture: KZ7102	Project work 2 KZ7101	Project work 2 KZ7101	Lecture: KZ7101 Other types of LC (AK)	Lecture: KZ7101 LC troubleshooting (AK)
	13:00 - 17:00	Homework KZ7102			Project work 2 KZ7101	Lab: KZ7102
Week 42 (16-20 Okt)	9:00 - 12:00	Lecture: KZ7102	Preparations: Seminar & report	Preparations: Seminar & report	Seminars: KZ7101 Project 2 presentations (IS/JC/DS). Report submission	Lecture: KZ7101 Multi-dimensional separations (IS)
	13:00 - 17:00	Homework KZ7102			Project work discussions/Feedback (IS/JC/DS)	Lab: KZ7102
Week 43 (23-27 Okt)	9:00 - 12:00	Lecture: KZ7102	Q&A session: KZ7101	Exam preparation	EXAM: KZ7101	EXAM: KZ7102
	13:00 - 17:00	Exam preparation	Q&A session: KZ7102			
Legend						
Lecture KZ7101: B237		NP	Nicole Pamme	Teacher		
Lecture KZ7102: B237		AK	Anneli Kruve	Teacher		
Project work KZ7101:		IS	Ioannis Sadiktsis	Teacher		
Labs KZ7102		JN	Josefine Carlsson	Lab assistant		
Workshops: B237		DS	Drew Szabo	Lab assistant		
Self organized						
Examination: B237						
Other: B237						