

Preliminary teaching programme for academic year 2026-27

Code	Course unit name	Scope (cr)	Period	Languages	Form of teaching / Method of completion	Open university studies	Open to exchange students	Open to other degree programmes	Additional information on target groups
KEM311	Basic radiochemistry exercises	5 op	2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM313	Nuclear spectrometry	5 op	3. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM314	Advanced radiochemistry exercises, Radiopharmaceutical chemistry	3 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM314	Advanced radiochemistry exercises, Chemistry and analysis of radionuclides	3 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM314	Advanced radiochemistry exercises, Nuclear spectrometry	2 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM316	Chemistry and analysis of radionuclides	5 op	3. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM317	Radiopharmaceutical chemistry	5 op	3. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM321	Structure and reactivity - organic reactions	5 op	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM322	Synthesis methods	5 op	3. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM323	Design of synthesis	5 op	4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM324	Organometallic chemistry	5 op	3. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM325	Synthetic chemistry labworks, p 1	5 op	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	CHEMS students are prioritised
KEM325	Synthetic chemistry labworks, summer	5 op	summer teaching (June-August 2027)	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	CHEMS students are prioritised
KEM326	Synthetic biocatalysis	5 op	2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM331	Separation techniques	5 op	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM332	Sampling and sample preparation	5 op	2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM333	Analytical chemistry laboratory work, p 1	5 op	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM333	Analytical chemistry laboratory work, p 4	5 op	4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM334	Mass spectrometry	5 op	3. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM335	Portable analytical instruments and sensors	5 op	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM336	NMR spectroscopy 1	3 - 5 op	3.-4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM342	Molecular modelling	5 op	3.-4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM351	Environmental radioactivity	5 op	3.-4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM357	Determination of metals	5 op	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM358	Quality assurance in analytics	5 op	2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM362	Advanced course in inorganic chemistry	5 op	2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM364	Green chemistry: renewable materials and sustainable energy	5 op	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM365	Laser spectroscopy	5 op	1.-2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM368	Density functional theory	5 op	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM369	Molecular electronic structure	5 op	2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM371	Combustion chemistry	5 op	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM372	Laser spectroscopy laboratory practicum	5 op	1.-2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM378	Molecular symmetry and group theory	5 op	2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM380	Advanced Inorganic Chemistry Laboratory Course	10 op	4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	no	yes	
KEM381	Programming projects in molecular modelling	5 op	3.-4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM385	Circular economy in chemical industry	5 op	3. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM386	Applied LC-MS method development and validation	5 op	4.-5. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM411	Chemicals and legislation	5 op	1.-4. period	English - Completely in English (or multilingual)	online teaching (not time-bound)	Course unit is only for degree students.	yes	yes	
KEM416	Master's seminar, fall	5 op	1.-2. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM416	Master's seminar, spring	5 op	3.-4. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	
KEM417	Laboratory safety	0 op	1.-4. period	English - Completely in English (or multilingual)	online teaching (not time-bound)	Course unit is only for degree students.	yes	yes	All students who have not done our BSc level Basic labworks in chemistry course and the safety exam within it. Should be done before lab courses in the master's programme.
KEM551	Modern Main Group Chemistry	3 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Course unit is only for degree students.	yes	yes	