

**Preliminary teaching programme for academic year 2024-25**

Code	Course unit name	Scope (cr)	Period	Languages	Mode of teaching / Method of completion	Open university studies	Open to exchange students	Open to other degree programmes
KEM311	Basic radiochemistry exercises	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM313	Nuclear spectrometry	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching 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	Teaching 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	Teaching 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	Teaching is only for degree students.	yes	yes
KEM316	Chemistry and analysis of radionuclides	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM317	Radiopharmaceutical chemistry	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM321	Structure and reactivity - organic reactions	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM322	Synthesis methods	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM323	Design of synthesis	5 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM325	Synthetic chemistry labworks, p 1	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM325	Synthetic chemistry labworks, summer	5 cr	summer teaching (June-August 2025)	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM326	Synthetic biocatalysis	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM331	Separation techniques	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM332	Sampling and sample preparation	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM333	Analytical chemistry laboratory work, p 1	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM333	Analytical chemistry laboratory work, p 4	5 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM334	Mass spectrometry	5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM335	Portable analytical instruments and sensors	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM336	NMR spectroscopy 1	3 - 5 cr	3. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM342	Molecular modelling	5 cr	3.-4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM345	Molecular properties	5 cr	4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM351	Environmental radioactivity	5 cr	3.-4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM357	Determination of metals	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM358	Quality assurance in analytics	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM362	Advanced course in inorganic chemistry	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM364	Green chemistry: renewable materials and sustainable energy	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM365	Laser spectroscopy	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM369	Molecular electronic structure	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM371	Combustion chemistry	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM372	Laser spectroscopy instrumentation	5 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM378	Molecular symmetry and group theory	5 cr	2. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM381	Programming projects in molecular modelling	5 cr	3.-4. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes
KEM411	Chemicals and legislation	5 cr	1.-4. period	English - Completely in English (or multilingual)	online teaching (not time-bound)	Teaching is only for degree students.	yes	yes
KEM551	Modern Main Group Chemistry	3 cr	1. period	English - Completely in English (or multilingual)	contact teaching	Teaching is only for degree students.	yes	yes