

<i>Programme</i>	Chemistry BSc
<i>Course title</i>	NUCLEAR CHEMISTRY LABORATORY PRACTICE
<i>Name of lecturer</i>	Károly Süvegh (coordinator)
<i>Type of course</i>	compulsory, <u>semi-optional</u> , elective
<i>Module</i>	non-chemical, core-chemical, <u>specialized chemical</u> , chemistry teacher
<i>Course code</i>	KV2MG3
<i>Number of credits</i>	3
<i>Year of study</i>	3
<i>Semester</i>	<u>fall</u> , spring
<i>Form of tuition</i>	lectures, practice, <u>laboratory practice</u> , other
<i>Course contents</i>	The course is a laboratory practice covering the following topics: work with open radioactive sources; tracer techniques; isotope separation; studying coincidence circuits; Compton-scattering; X-ray fluorescence (XRF), gamma-spectroscopy; neutron activation analysis; nuclear reactors; Mössbauer spectroscopy; positron lifetime spectroscopy; dosimetry, radiation protection; environmental samples; environment protection.
<i>Assessment method</i>	written/oral examination, <u>practical course mark</u> , other
<i>Recommended reading</i>	Syllabus for the measurements (provided by the course, also in electronic form) Attila Vértes, István Kiss: Nuclear Chemistry, <i>Elsevier</i> , Amsterdam, 1987 Suggested: Nagy Sándor: Nukleáris mérések statisztikája (English text is under preparation). Books given in the Syllabus
<i>Language of instruction</i>	Hungarian