

FACULTY:	<b>Institute of Technology and Education</b>
FIELD OF STUDY:	Materials Science and Engineering
COURSE TITLE:	<b>General Chemistry Laboratory</b>
LECTURER'S NAME:	mgr inż. Michał Wojtewicz
E-MAIL ADDRESS OF THE LECTURER:	michal.wojtewicz@tu.koszalin.pl
ECTS POINTS FOR THE COURSE:	2.0
ACADEMIC YEAR:	2014/2015
SEMESTER: (W – winter, S – summer)	S
HOURS IN SEMESTER:	30
LEVEL OF THE COURSE: (1 <sup>st</sup> cycle, 2 <sup>nd</sup> cycle, 3 <sup>rd</sup> cycle)	1 <sup>st</sup> cycle
TEACHING METHOD: (lecture, laboratory, group tutorials, seminar, other-what type?)	Laboratories (30h)
LANGUAGE OF INSTRUCTION:	English
ASSESSMENT METOD: (written exam, oral exam, class test, written reports, project work, presentation, continuous assessment, other – what type?)	Written test, lab reports
COURSE CONTENT:	<p>The course covers the following topics:</p> <ul style="list-style-type: none"> <li>– qualitative inorganic analysis (reactions of the cations and the anions;</li> <li>– quantitative inorganic analysis (titrimetric analysis, solvent extraction, electroanalytical and spectroanalytical methods, conductimetry);</li> <li>– basics of the organic chemistry (organic preparation, analysis of the functional groups in organic chemistry).</li> </ul>
ADDITIONAL INFORMATION:	Required knowledge – IUPAC nomenclature of inorganic chemistry
RECOMMENDED LITERATURE	<p>[1] *Skoog D.A., West D.M, Holler J.F., Crouch S.R. <i>Fundamentals of Analytical Chemistry</i>. 9E. 2004 Brooks/Cole, Cengage Learning, ISBN13: 978-0-495-55828-6 (2014).</p> <p>[2] Svehla G. <i>Vogel's - Textbook of Macro and Semimicro Qualitative Inorganic Analysis</i>. 5E. Longman Group Limited, ISBN: 0-582-44367-9 (1979).</p> <p>[3] Feffery G.H., Bassett J., Mendham J., Denney R.C. <i>Vogel's - Textbook of Quantitative Chemical Analysis</i>. 5E. Longman Group UK Limited, ISBN: 0-582-44693-7 (1989).</p>

Michał Wojtewicz, 09.06.2014r.