

<b>Course title:</b> Inorganic synthesis						
	<b>Specialty</b>	<b>Semester</b>	<b>Number of ECTS</b>	<b>Number of hours in the class</b>	<b>Form</b>	
	<b>Foreign students</b>	<b>winter</b>	<b>5</b>	<b>60</b>	<b>Lab class</b>	
<b>Name of lecturer:</b> Dr. Dariusz Wyrzykowski						
<b>Objective of the course (expected learning outcomes and competences to be acquired)</b>						
<p>- a continuation and extension of the course of inorganic and coordination chemistry</p> <p>- an acquaintance of students with the methods of synthesis and purification inorganic and coordination.</p> <p>- introduce the students into the use of the most common characterization methods in Inorganic Chemistry, insisting on the most basic theoretical aspects</p> <p>- an acquaintance of students with the basic, modern and advanced methods for studying the structure and physicochemical properties of inorganic and coordination compounds</p> <p>- a presentation the most important contemporary issues of inorganic chemistry</p> <p>- a development of the ability for planning and carrying out a single-handed experiments as well as interpreting obtained data</p> <p>- a development of the ability for using bibliographical sources about Inorganic Chemistry.</p> <p>- a development of the ability for interpreting results of the experiments and resolving problems concerning chemical laboratory practice</p>						
<b>Prerequisites:</b> completed courses in Inorganic chemistry and Coordination chemistry						
<b>Teaching methods:</b> Laboratory experiments						
<b>Course contents</b>						
Laboratory techniques used in the preparation of inorganic and coordination compounds. The quantitative and qualitative analysis of chemical compounds. Physical and chemical properties of chemical compounds, this laboratory is intended to familiarize students with the methods of designing experiments, interpreting the data and with the methods of visualization and presentation of the results.						
<b>Recommended reading:</b>						
A. Primary literature: Scientific journal: „Coordination Chemistry Reviews” (available in Library)						
<b>Assessment methods:</b>						
<ul style="list-style-type: none"> <li>• Mid-term tests</li> <li>• Reports</li> </ul>						
<b>Language of instruction:</b> English						