

<b>Course title:</b>	<b>BSc diploma</b>
<b>Institute/Division:</b>	<b>FACULTY OF CHEMICAL ENGINEERING AND TECHNOLOGY</b>
<b>Number of contact hours:</b>	<b>Research</b>
<b>Course duration:</b>	1 semester (8 <sup>th</sup> semester of regular I cycle studies - spring)
<b>ETCS credits:</b>	<b>20</b>
<b>Course description:</b>	Topics of diploma theses according to the list approved by the Dean of Student Affairs.
<b>Education effects :</b>	<ul style="list-style-type: none"> <li>- <u>knowledge</u> : student is able to independently carry out the research of engineering - technical experimental laboratory or project work. Students provides the results in the form of a technical report with the structure of the engineer thesis and publicly present the obtained results.</li> <li>- <u>skills</u>: Student is able to find appropriate literature on the subject of the work and present the findings in the form of the theoretical part of the engineering thesis (literature review). Student can independently plan and conduct the works according to the thesis topic, i.e. the laboratory experiments, theoretical research as well as the design calculations. Student is able to analyse the obtained results and present them in the form of an experimental part of the engineering diploma thesis. Student knows how to discuss the results in a concise manner, draw proper conclusions on the basis of conducted research and present them in the form of a presentation.</li> <li>- <u>social</u>: Student understand the importance of scientific research on the development and society, and takes his own actions in this area. He is able to take responsibility for engineering decisions and is aware of their impact on the environment.</li> </ul>
<b>Literature:</b>	related to the subject of engineering work
<b>Assessment method:</b>	Preparation of a summary reviewing the state of knowledge in the subject of the thesis and own practical research in the form of a diploma thesis. Defence of the thesis in front of commission and exam. Competing the first level competence test
<b>Prerequisites:</b>	Completed all the subjects from semesters 1-7.
<b>Primary target group:</b>	Students from all specialties
<b>Lecturer:</b>	supervisor of the diploma thesis according to the list approved by the Dean of Student Affairs.
<b>Contact person:</b>	-
<b>Remarks:</b>	Regular course