

Study program / course: Mechanical Engineering
Type and level of study: Bachelor academic studies
Course: Final work (Bachelor degree)
Status of course: Elective, VI semester
Number of ECTS: 6
Precondition: Final work may not be defended until all exams are passed
<p>General content</p> <p>For a student, the objective of making and defending the final work is to show that he has satisfactory abilities for application of theoretical and practical knowledge in practice. By conduction and defending of final work, the students that have finished the studies should be able to solve real problems in practice, as well as to continue their education, according to their own choice. Competencies include, first of all, development of the ability of critical thinking, ability to analyze the problem, to synthesize a solution, to predict behaviour of a selected solution with a clear understanding what are the pros and cons of the selected solution. Students that have finished studies also have the ability to solve concrete problems using scientific methods and procedures. Ability to relate basic knowledge from different fields and to apply them is especially important. Students that have finished studies are trained to more intensively use and develop modern technologies. They have competencies for application of knowledge in practice and to monitor and apply new knowledge, as well as to cooperate with local social environment and international environment. Students are capable to design, organize and control the production.</p>
<p>Methods of teaching</p> <p>Final work is independent work of a student, given in written form, followed with instructions and consultations with a mentor. Mentor for conduction and defending of final work formulates the subject with tasks for realization of final work. Candidate consults with his mentor and works independently on a given problem. After the final work is done and the mentor had agreed that it was successfully finished, the candidate defends the final work in front of the committee which consists of at least three members.</p>
<p>Grade (maximal number of points – 100)</p> <p>Maximal number of points that student may acquire is 100.</p>