

COURSE DESCRIPTION CARD – SPECIMEN

Faculty of Mechanical Engineering									
Field of study	Biomedical Engineering Automatics and robotics Mechanical Engineering Mechatronics							Degree level and programme type	"-"
Specialization/ diploma path	"-"							Study profile	"-"
Course name	Final Project							Course code	IS-MER0053S
								Course type	"-"
Forms and number of hours of tuition	L	C	LC	P	SW	FW	S	Semester	winter/summer
								No. of ECTS credits	15
Entry requirements	"-"								
Course objectives	Achieving the skills of preparing plan and schedule of the process of the engineer task realization. Acquaintance rules of selection of methods and techniques of reasoning problems. To get and improve practical skills in writing the final project thesis. Deepening skills of appropriate choice and use of literature references and the skill of use of scientific and technical data bases. Improving skills of preparing the report of the engineer task realization.								
Course content	Characterization of the possible solutions of the problem stated in the engineer project derived from the current state of knowledge. Studying a literature and technical regulations. Formulation of methods and maners of problems for implementations. Usage of manual and computer methods. Preparing documentation of the implementing problem.								
Teaching methods	laboratory work, project								
Assessment method	"-"								
Symbol of learning outcome	Learning outcomes							Reference to the learning outcomes for the field of study	
LO1	Student has a knowledge connecting with chosen problems from biomedical/mechanical engineering								
LO2	Student knows selection rules of methods and techniques for implementation of engineering problems								
LO3	Student knows computer programs and methods needed in solving and implementation of engineering problems								

L04	Student can use different sources for searching needed information	
L05	Student can use selected methods and computer programs	
L06	Student can prepare a good document of analysis of the engineering problem	
L07	Student properly recognizes and determinates problems in engineering thesis	
Symbol of learning outcome	Methods of assessing the learning outcomes	Type of tuition during which the outcome is assessed
L01	Evaluation of the thesis	
L02	Evaluation of the thesis	
L03	Evaluation of the thesis	
L04	Evaluation of the thesis	
L05	Evaluation of the thesis	
L06	Evaluation of the thesis	
L07	Evaluation of the thesis	
Student workload (in hours)		No. of hours
Calculation	Study of literature and other information sources	75
	Preparing and doing engineering calculations and/or experimental studies and/or theoretical analysis	120
	Analysis and comparison of obtained results, formulate of conclusions	105
	Editing of thesis	35
	Participation in tutorial	25
	TOTAL:	360
Quantitative indicators		HOURS
Student workload – activities that require direct teacher participation		25+5
Student workload – practical activities		360
		No. of ECTS credits
Student workload – activities that require direct teacher participation		1
Student workload – practical activities		14
Basic references	References are connected with topic of engineering thesis and chosen by Student under supervisor guidance	
Supplementary references	References are connected with topic of engineering thesis and chosen by Student under supervisor guidance	
Organisational unit conducting the course		Date of issuing the programme
Author of the programme	Joanna Mystkowska, PhD Eng, DSc, Assoc. Prof.	27.03.2024

L – lecture, C – classes, LC – laboratory classes, P – project, SW – specialization workshop, FW - field work,

S – seminar