Faculty of Electrical Engineering										
Field of study	Electrical and Electronics Engineering						Degree level and programme type	bachelor's degree, full time programme		
Specialization/ diploma path							Study profile	-		
Course name	Final Project							Course code	IS-FEE-10022S	
								Course type	elective	
Forms and number of	L	С	LC	Р	SW	FW	S	Semester	summer	
hours of tuition								No. of ECTS credits	12	
Entry requirements	5/6 semesters of engineer level in appropriate area									
Course objectives	Familiriazing student with the methodology of solving engineer problems. Deepening skills of appropriate choice and use of literature references and the skill of use of scientific and technical data bases. Training the ability of analyzing the literature to identify the possible solutions of the problem stated in the engineer project. Obtaining the skill of formulating the engineer problem and the choice of the methodology and tools to solve it (including calculation tools and computer programmes). Achieving the skill of preparing plan and schedule of the process of the engineer task realization. Improving skill of preparing the report of the engineer task realization. Creating the skill of the design assumptions' verification, concluding and evaluation of achieved results.									
Course content	Know the I proje withi of th the theo engi of ex	Knowledge and skills connected with the subject of the project - acquisition of information from the literature. Characterization of the possible solutions of the problem stated in the engineer project derived from the current state of knowledge. Knowledge of the development trends within the chosen area allowing to choose the solution of the problem. Planning the realization of the engineer problem. Using computer tools and techniques in order to realize or support the solution of the task. Verification of the solution by means of the methods and tools of theoretical and experimental analysis. Methodology of characterization and analyzing the engineer task and forming the conclusions. Development of the results and the documentation of executed tasks.								
Teaching methods	Discussion, consultations									
Assessment	ev	aluati	on of th	ne fina	l projec	t by the	tutor a	and evaluator, evalu	ation of the defence of	
Symbol of						the	e finai	project.	Reference to the	
learning outcome				L	earning	outcom	es		learning outcomes for the field of study	
LO1	colle appl	collects knowledge from the literature and evaluates the applicability to solve chosen technical problem:						-		
LO2	indy	/vidual	ly plans	the so	olution of	the eng	ineer p	problem, specifying		

COURSE DESCRIPTION CARD

	the method and the execution time;						
1.02	implements engineering task and prepares the development						
LUS	containing documentation and verification of the results;						
	formulates objectives for the various stages of solving engineering						
LO4	tasks, suggesting methods of implementation and verification of a						
	solution;						
1.05	can design a measurement system implementing engineering						
LUJ	design or research task;						
1.06	can evaluate relevance and use appropriate methods and tools						
LUU	used to achieve engineering tasks;						
	has the ability and understands the need to improve his/hers						
LO7	qualifications in order to enhance and update expertise technical						
	knowledge.						
Symbol of		Type of tuit	ion during				
learning	Methods of assessing the learning outcomes	which the outcome is					
outcome		assessed					
LO1	positive evaluation of engineering work and the result of defense;						
LO2	positive evaluation of engineering work and the result of defense;						
LO3	positive evaluation of engineering work and the result of defense;						
LO4	positive evaluation of engineering work and the result of defense;						
LO5	positive evaluation of engineering work and the result of defense;						
LO6	positive evaluation of engineering work and the result of defense;						
LO7	positive evaluation of engineering work and the result of defense;						
	No. of hours						
	self work on the subject, consultations, discussions with the	200					
Calculation	supervisor	500					
	TOTAL:	300					
			No. of				
	HOURS	ECTS					
		credits					
Student wo	15	0,5					
	300	12					
Basic	specialized literature - adequate to the subject of the project.						
references							
Supplementary							
references							
Organisational							
unit	Faculty of Electrical Engineering	Date of issuing the					
conducting the	programm						
course							
Author of the	Teachers of the Faculty of Electrical Engineering	15.02.2020					
programme							

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

S – seminar