COURSE DESCRIPTION CARD

			F	aculty	of Ele	ctrical	Engin	eering		
Field of study	Electrical and Electronics Engineering							Degree level and programme type	Bachelor's degree, full time programme	
Specialization/ diploma path	<u>-</u>						Study profile	-		
Course name	Project in IT networks							Course code	IS-FEE-10042S	
								Course type	elective	
Forms and number of hours of tuition	L	С	LC	Р	SW	FW	S	Semester	summer	
				30				No. of ECTS credits	6	
Entry requirements							•			
Course objectives	Acquiring skills in creating and presenting projects of telecommunication and computer networks.									
Course content	Students prepare individual projects of the network structure for assumed enterprises (usually with a few departments). In typical case the prepared project includes a selected components like telephone network, computer network with security solutions, dedicated power supply network and some specific components like alarm signaling network or internal television system (CCTV). The finished project should include analysis of demands, suggestion of solutions, diagrams of network structure and cost calculation (capex and opex). The project can also include other parts, specific for particular application (e.g. analysis of legal aspects of using radio devices). The prepared projects are presented and discussed during classes.									
Teaching methods	Discussion, projects									
Assessment method	projects completion, presentation and discussion of the projects									
Symbol of learning outcome	Learning outcomes After completing this subject student is able to:						Reference to the learning outcomes for the field of study			
L01	obta	obtain information from the literature, databases, and other sources for the project;								
LO2	choose suitable contemporary network solutions and technologies in order to fulfill determined requirements,									
LO3	des	design network structure according to given requirements								
LO4		create written documentation of the network design,								
LO5		pre	sent, d	iscuss	and d	efend	prepar	ed project.		
Symbol of learning outcome	Methods of assessing the learning outcomes which the outc					Type of tuition during which the outcome is assessed				

project documentation							
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project documentation							
project documentation							
project documentation							
oral presentation and discussion							
Student workload (in hours)							
preparation of the project of the network structure:	80						
work on documentation of the project:	30						
consultations:	15						
preparation to the presentation and defense of the project:	25						
TOTAL:	150						
Quantitative indicators							
Student workload – activities that require direct teacher participation							
Student workload – practical activities							
2013.2. Sportack M., IP Addressing Fundamentals, Cisco Press, 20023. Documentation of the IT equipment and components.	2.	•					
1. Anderson R. J., Security Engineering: A Guide to Building Dependable Distributed							
Systems, Second edition, Wiley, 2008.							
Department of Photonics, Electronics and Lighting Technology		suing the amme					
Andrzej Zankiewicz, PhD 17.01.2020							
	project documentation project documentation project documentation oral presentation and discussion Student workload (in hours) preparation of the project of the network structure: work on documentation of the project: consultations: preparation to the presentation and defense of the project: TOTAL: Quantitative indicators load – activities that require direct teacher participation Student workload – practical activities 1. Comer D.E., Internetworking with TCP/IP, Vol 1, Sixth edition 2013. 2. Sportack M., IP Addressing Fundamentals, Cisco Press, 200; 3. Documentation of the IT equipment and components. 1. Anderson R. J., Security Engineering: A Guide to Building Desystems, Second edition, Wiley, 2008. Department of Photonics, Electronics and Lighting Technology Andrzej Zankiewicz, PhD	project documentation project documentation project documentation project documentation oral presentation and discussion Student workload (in hours) No. of preparation of the project of the network structure: work on documentation of the project: consultations: 1 preparation to the presentation and defense of the project: TOTAL: Quantitative indicators HOURS load – activities that require direct teacher participation 15 Student workload – practical activities 1. Comer D.E., Internetworking with TCP/IP, Vol 1, Sixth edition, Addison-W 2013. 2. Sportack M., IP Addressing Fundamentals, Cisco Press, 2002. 3. Documentation of the IT equipment and components. 1. Anderson R. J., Security Engineering: A Guide to Building Dependable D Systems, Second edition, Wiley, 2008. Department of Photonics, Electronics and Lighting Technology Date of is progr					

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

S – seminar