

COURSE DESCRIPTION CARD

Bialystok University of Technology Faculty of Engineering Management									
Field of study	Management							Degree level and programme type	first degree/ second degree
Specialisation/ diploma path	-							Study profile	-
Course name	Project management							Course code	IS-FM-00009W
								Course type	elective
Forms and number of hours of educational activities	L	C	LC	P	SW	FW	S	Semester	winter
					30			No. of ECTS credits	6
Entry requirements	—								
Course objectives	<p>Knowledge: Understanding the importance of projects management in business and gaining knowledge of project management methods and techniques.</p> <p>Skills: Gaining practical skills to use modern instruments of planning and organization of projects, monitoring their implementation and control effects.</p> <p>Social competence: understanding the role of team building in project management and the ability to coordinate the work of project team.</p>								
Course content	<p>Basics of project management - the concept and parameters of the project, project types and project management cycle, problems in project management.</p> <p>Planning process and project resources - the structure of the project, the organization of the project team, schedules and network methods of planning projects, identification of required resources of the project and assess their availability.</p> <p>Planning and control of project costs - methods of estimating costs, budgeting and monitoring the effects and costs of financing innovative activity.</p> <p>Risk in projects - sources and types of threats in projects, risk assessment, ways to reduce it.</p> <p>Project team management - the creation of project team, the role and responsibilities of a team manager, communication between project participants.</p> <p>Selected standards and project management methodologies. Computer tools supporting project management.</p>								
Teaching methods	lecture, exercises, case studies, implementation of a project task								
Assessment method	presentation on chosen aspects related to the main subject, evaluation of tasks in the classroom, evaluation of homework, evaluation of final project								
Symbol of learning outcome	Learning outcomes							Reference to the learning outcomes for the field of study	
	Knowledge: the graduate knows and understands							-	
LO1	importance of project management in business							-	
LO2	definitions used in project management							-	
	Skills: the graduate is able to							-	
LO3	choose and apply appropriate tools and methods of project management							-	
LO4	use IT tools supporting project management							-	

LO5	Prepare basic project documents	
	Social competence: the graduate is ready to	-
LO6	work in an interdisciplinary and international team in solving project management problems	-
Symbol of learning outcome	Methods of assessing the learning outcomes	Type of tuition during which the outcome is assessed
LO1	presentation, evaluation of tasks, evaluation of homework, evaluation of final project	C
LO2	presentation, evaluation of tasks, evaluation of homework, evaluation of final project	C
LO3	presentation, evaluation of tasks, evaluation of homework, evaluation of final project	C
LO4	presentation, evaluation of tasks, evaluation of homework, evaluation of final project	C
LO5	presentation, evaluation of tasks, evaluation of homework, evaluation of final project	C
LO6	presentation, evaluation of tasks, evaluation of homework, evaluation of final project	C
Student workload (in hours)		No. of hours
Calculation	participation in classes	30
	preparation for classes	25
	work on homework	30
	individual work on final project	40
	team work on preparing presentations	20
	consultations attendance	5
	TOTAL:	150
Quantitative indicators		HOURS
Student workload – activities that require direct teacher participation		35
Student workload – practical activities		150
Basic references	1. Ward Garth G.F., <i>Effective project management: guidance and checklists for engineering and construction</i> , Wiley-Blackwell, Hoboken, 2018. 2. Keays S. J., <i>Investment-centric innovation project management: winning the new product development game</i> , J. Ross Publ. Plantation, 2018. 1. Cobb C. G., <i>Zrozumieć Agile Project Management : równowaga kontroli i elastyczności, APN Promise</i> , Warszawa 2012.	
Supplementary references	1. <i>A Guide to the Project Management Body of Knowledge (PMBOK Guide)</i> , Fifth ed., Project Management Institute, Inc., Pennsylvania, 2013. 2. Kerzner H., <i>Project Management. A Systems approach for Planning, Scheduling and Controlling</i> , Eleventh ed., Jon Willey& Sons, Inc. New Jersey 2013. 3. Bessant J., Pavitt K., Tidd J., <i>Managing Innovation - Integrating Technological, Market and Organizational Change</i> , Wiley and Sons, Chichester 2005.	
Organisational unit conducting the course	International Department of Logistics and Service Engineering	Date of issuing the programme
Author of the programme	Aleksandra Gulc, PhD	20.02.2022

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