Subject card

Subject name and code	Project Management, PG_00044437
Field of study	Engineering Management

Date of commencement of studies	October 2020	Academic year of realisation of subject	2021/2022
Education level	first-cycle studies	Subject group	Obligatory subject group in the field of study
			Subject group related to scientific research in the field of study
Mode of study	Part-time studies	Mode of delivery	blended-learning
Year of study	2	Language of instruction	Polish
Semester of study	3	ECTS credits	5.0
Learning profile	general academic profile	Assessment form	assessment

Conducting unit	Department of Informatics in Management -> Faculty of Management and Economics

Name and surname of lecturer (lecturers)	Subject supervisor	dr inż. Jakub Chabik
	Teachers	dr inż. Jakub Chabik

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	16.0	0.0	16.0	0.0	0.0	32
	E-learning hours included: 16.0						
	Adresy na platformie eNauczanie: Zarządzanie projektami_JCH_21/22 - Moodle ID: 19251 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=19251						

Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
	Number of study hours	32	7.0	86.0	125

Subject objectives	The course is intended to:
	• Understanding the nature and types of projects • Understanding methods of planning projects • Understanding methods of project management • Teach how to design and use methods planning in projects management

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K6_U06] uses basic theoretical knowledge to solve selected organizational problems, design technical solutions and manage projects, including engineering projects	Student plans and develops management stages projects. Perform resource selection and solutions excessive conflicts loads. Anticipates and estimates compliance risk scheduled dates in projects. He compares and surrenders critical judgment generated costs in relation to planned costs. Takes up the challenges and justifies adopted solutions. Support group work in implementation projects.	[SU4] Assessment of ability to use methods and tools
	[K6_K01] can define priorities related to the implementation of team tasks as well as individual tasks	He can make the right decisions in leadership roles. Student is able to optimize the cost of the project.	[SK3] Assessment of ability to organize work
	[K6_W04] knows the fundamentals of the types of social ties in the organisation and the rules governing them, especially in the field of ties resulting from the division of labour in the organisation	Student can perform the project using MS Project software. Student can allocate resources to tasks from taking into account the schedule project.	[SW2] Assessment of knowledge contained in presentation
	[K6_K03] initiates creative and entrepreneurial activities in the organization using the knowledge of engineering management	Perfects their knowledge and skills through project work	[SK1] Assessment of group work skills

Subject contents	LECTURE The place and role in the management of projects; The nature and types of projects, the objectives of innovative activities; Maturity of project, project life cycle; Initiating and defining projects, methods of planning projects; Project feasibility assessment, estimation of workload; Risk analysis of projects; The term structure of the project, WBS; Planning process and project resources; Budgeting; Controlling the course of the project, monitoring of the implementation of projects; Ernead Value Method; Organization of project team; Institutional forms of project management. Method "PRINCE2" IT project management tools; Presentation of project management on the example of the practical; LABORATORY Installing MS Project 2019, the hardware requirements; Personalization settings, create calendar; Network design activities in the form of a network diagram, corporate calendar copy; Network design activities with a task list, tasks and sub-parent; The allocation of resources, methods; Resources by: constant work, constant time, constant number of resources; Balancing resources, elimination of congestion; Overtime as a resource for rescue; Import and export data; Pool of resources, management of multiple projects; Recurring tasks, create special views; Cost analysis of the project; Risk analysis to meet the deadline of the project; Reports (printed)

Prerequisites and co-requisites	

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Project	100.0%	60.0%
	Written exam	60.0%	40.0%

Recommended reading	Basic literature	1. Project Management Institute, Inc.: A Guide to the Project Management Body of Knowledge, (PMBOK® Guide) 2. Redlarski, Krzysztof. *Podstawy metodyki zarządzania projektami w ujęciu klasycznym*. Wydawnictwo Politechniki Gdańskiej, 2016. 3. Trocki M.: Zarządzanie projektami, PWN Warszawa 2003r; 4. Wilczewski S.: MS Project 2010 i MS Project Server 2010. Helion 2011

	Supplementary literature	1. Pritchard Carl L., Zarządzanie ryzykiem w projektach, WIG - PRESS Warszawa 2002;
		2. Kerzner H.: Project Management a Systems Approach, To Pleanning, Scheduling and Controlling;
		3. Chatfield C., Johnson T., MicrosoftOffice Project 2010 krok po kroku, RM Warszawa 2011
	eResources addresses	Zarządzanie projektami_JCH_21/22 - Moodle ID: 19251 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=19251
Example issues/ example questions/ tasks being completed	Exercises on projects management	
Work placement	Not applicable	