Subject card

Subject name and code	Project Management, PG_00044266
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	Full-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. Krzysztof Redlarski
	Teachers	dr inż. Krzysztof Redlarski
		dr inż. Sebastian Wilczewski
		dr inż. Anna Trzaskowska

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	0.0	30.0	0.0	0.0	60
	E-learning hours included: 30.0						
	Adresy na platformie eNauczanie: Zarządzanie projektami_KRED_21/22 - Moodle ID: 16659 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16659						

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	60	7.0	58.0	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	Students plan and develop project management stages. Shall select the resources and resolve their conflicts, excessive burden. Provides estimates of risk and meet scheduled deadlines for projects. Compares and subjected developed critically judged in relation to the cost of the planned costs. Take the challenge and justify the solutions. It supports collaboration in 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_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
		[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	Students can make a project using MS Project software. The student is able to assign resources to tasks taking into account project schedule.	[SW3] Assessment of knowledge contained in written work and projects

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
	Written exam	60.0%	40.0%
	Project	100.0%	60.0%

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_KRED_21/22 - Moodle ID: 16659 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=16659
Example issues/ example questions/ tasks being completed	Exercises on projects management	
Work placement	Not applicable	