

DESCRIPTION OF THE COURSE OF STUDY

Course code	0719-2ID-F41-PZ	
Name of the course in	Polish	Projekt zespołowy
	English	Group Project

1. LOCATION OF THE COURSE OF STUDY within the system of studies

1.1. Field of study	Data engineering
1.2. Mode of study	stationary
1.3. Level of study	I-degree, bachelor
1.4. Profile of study*	general academic
1.5. Person/s preparing the course description	Rafal Porowski
1.6. Contact	rafal.porowski@ujk.edu.pl

2. GENERAL CHARACTERISTICS OF THE course of study

2.1. Language of instruction	English
2.2. Prerequisites*	None

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY

3. DETAILED CHARACTERISTICS OF THE COURSE OF STUDY:		
3.1. Form of classes		project
3.2. Place of classes		stationary
3.3. Form of assessment		assessment
3.4. Teaching methods		Instructions: oral and written, practical tasks, project.
3.5. Bibliography	Required reading	1. K.Sacha, Inżynieria oprogramowania, PWN 2017 2. P.Stevens., UML. Inżynieria oprogramowania. Wydanie II, Helion 2007
	Further reading	Materials on the website covering the technologies and tools used in team projects: individual materials tailored to each project's topic.

4. OBJECTIVES, SYLLABUS CONTENT AND INTENDED LEARNING OUTCOMES

4.1. Course objectives *(including form of classes)*

Knowledge (laboratory)

C1. Acquiring knowledge of methods for creating the technical documentation of a system project.

Skills (laboratory)

C2. Acquiring the ability to create the technical documentation of a system project.

C3. Acquiring the ability to work in a team.

Social competences (laboratory)

C4. Acquiring competences that enable setting priorities and planning work effectively.

4.2. Detailed syllabus *(including form of classes)*

Topic selection, project workload assessment, and team task allocation.

Selection of technologies required to execute the task.

Preparation of the initial vision and system concept.

User interface design.

System implementation: choice of methodology and work sequence.

Creation of technical documentation.

Testing: test plans and test documentation.

Applying fixes (bug/issue resolution).

4.3 Intended learning outcomes

Code	A student, who passed the course	Relation to learning outcomes
-------------	---	--------------------------------------

within the scope of KNOWLEDGE:		
W01	knows selected methods, techniques, and programming tools used in software development and system design	ID1A_W07
within the scope of ABILITIES:		
U01	knows how to properly organize one's own work and to collaborate and work in a team, taking responsibility for both individual tasks and jointly executed tasks; to communicate with stakeholders, participate in debates, and present and evaluate different opinions and positions.	ID1A_U13
within the scope of SOCIAL COMPETENCE:		
K01	knows how to set priorities to accomplish a task, planning work, and systematically engaging with scientific and popular-science content from diverse sources, while critically evaluating the information received.	ID1A_K01

4.4. Methods of assessment of the intended learning outcomes

Teaching outcomes (code)	Method of assessment (+/-)																				
	Exam oral/written*			Test*			Project*			Effort in class*			Self-study*			Group work*			Others* e.g. standardized test used in e-learning		
	Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes			Form of classes		
	L	C	P	L	C	P	L	C	P	L	C	P	L	C	P	L	C	P	L	C	P
W01						+			+			+			+			+			
U01						+			+			+			+			+			
K01						+			+			+			+			+			

*delete as appropriate

4.5. Criteria of assessment of the intended learning outcomes

Form of classes	Grade	Criterion of assessment
project (p) (including e-learning)	3	Achievement of [50–60)% of the requirements used in the assessment methods.
	3,5	Achievement of [60–70)% of the requirements used in the assessment methods.
	4	Achievement of [70–80)% of the requirements used in the assessment methods.
	4,5	Achievement of [80–90)% of the requirements used in the assessment methods.
	5	Achievement of [90–100)% of the requirements used in the assessment methods.

5. BALANCE OF ECTS CREDITS – STUDENT'S WORK INPUT

Category	Student's workload	
	Full-time studies	Extramural studies
NUMBER OF HOURS WITH THE DIRECT PARTICIPATION OF THE TEACHER /CONTACT HOURS/	60	
Participation in project classes	60	
INDEPENDENT WORK OF THE STUDENT/NON-CONTACT HOURS/	40	
Project	5	
Collecting materials for the project, internet query	30	
Preparation for the assessment	5	
TOTAL NUMBER OF HOURS	100	
ECTS credits for the course of study	4	

Accepted for execution (date and legible signatures of the teachers running the course in the given academic year)

.....