Course Syllabus

Course from study programme for the cycle: 2023/2024

I. General Information

Course name	Project management
Programme	Computer science
Level of studies (BA, BSc, MA, MSc, long-cycle MA)	BA
Form of studies (full-time, part-time)	Full-time
Discipline	Computer science
Language of instruction	English

Course coordinator	Rafał Lizut

Type of class *(use only the types mentioned below)*	Number of teaching hours	Semester	ECTS Points
lecture	15	IV	3
tutorial			
classes			
laboratory classes	30	IV	
workshops			
seminar			
introductory seminar			
foreign language classes			
practical placement			
field work			
diploma laboratory			
translation classes			
study visit			

Course pre-requisites	Knowledge of the differences between various types of software development modes. Knowledge of software engineering and UML language

II. Course Objectives

Familiarizing students with the technical terminology for a Project Manager and Business Analyst
Introducing the history, main methods and approaches of Project Management

III. Course learning outcomes with reference to programme learning outcomes

Symbol	Description of course learning outcome	Reference to programme learning outcome
KNOWLEDGE		
W_01	Student can explain various types of approaches in PM	K_W01, K_W04, K_W06,
W_02	Student can identify appropriate PM approach for particular projects	K_W01, K_W04, K_W06,
W_03	Student can identify the project phases related to particular methodology adopted	K_W01, K_W04, K_W06,
W_04	Student can identify and adopt various roles of PM corresponding to particular methodologies adopted	K_W01, K_W04, K_W06,
SKILLS		
U_01	Student can gather requirements for the project	K_U01, K_U04, K_U17
U_02	Student can determine the methodology appropriate for the project	K_U17
U_03	Student can prepare and plan the project according to the selected methodology	K_U01, K_U17
U_04	Student can present the results to specialists and laypeople	K_U01, K_U04, K_U17
SOCIAL COMPETENCIES		
K_01	Student is ready to decide the roles within the project and accept the ones assigned to them in the spirit of mutual cooperation	K_K01, K_K02
K_02	Student understands responsibility stemming from various roles and participate in the project in the responsible way according to the legal and ethical guidelines	K_K01, K_K02, K_K04, K_K05
K_03	Student is willing to identify personal and social responsibility for the result of their work and tools utilized and promotes appropriate attitudes among the co-workers	K_K01, K_K02, K_K04, K_K05

IV. Course Content

Defining and understanding a project
Project stakeholders
The scope triangle
Project Management Life Cycles
Project Management Process Groups
Various types of projects and their classification with special consideration of SCRUM
RBS, POS, WBS and other information organizing elements
PM process groups
IT tools for PM
Group work techniques
Client communication basis

V. Didactic methods used and forms of assessment of learning outcomes

Symbol	Didactic methods *(choose from the list)*	Forms of assessment *(choose from the list)*	Documentation type *(choose from the list)*
KNOWLEDGE			
W_01	Conventional lecture	Test / Written test	Evaluated test / written test
W_02	Conventional lecture	Test / Written test	Evaluated test / written test
W_03	Conventional lecture	Test / Written test	Evaluated test / written Test
W_04	Conventional lecture	Test / Written test	Evaluated test / written test
SKILLS			
U_01	Project-based learning design thinking	Preparation / implementation of the project	Project rating card
U_02	Project-based learning design thinking	Preparation / implementation of the project	Project rating card
U_03	Project-based learning design thinking	Preparation / implementation of the project	Project rating card
U_04	Project-based learning design thinking	Preparation / implementation of the project	Project rating card
SOCIAL COMPETENCIES			
K_01	PBL (Problem-Based Learning) design thinking	Preparation / implementation of the project	Project rating card
K_02	PBL (Problem-Based Learning) design thinking	Preparation / implementation of the project	Project rating card
K_03	PBL (Problem-Based Learning) design thinking	Preparation / implementation of the project	Project rating card

VI. Grading criteria, weighting factors.....

90 – 100% - very good (5.0),
80 – 89% - good plus (4.5),
70 – 79% - good (4.0),
60 – 69% - satisfactory plus (3.5),
50 – 59% - satisfactory (3.0),
Less than 50% - unsatisfactory (2.0).

VII. Student workload

Form of activity	Number of hours
Number of contact hours (with the teacher)	***45***
Number of hours of individual student work	***75***

VIII. Literature

Basic literature
1. Z. Biniek, Selected elements of IT project management, VISION PRESS & IT, Warsaw 2010 2. M. Chrapko, Scrum. About agile project management, Helion, Gliwice 2013 3. W. Dąbrowski, Basics of project management, PJWSTK Publishing House, Warsaw 2014 4. A. Koszlajda, IT project management. Guide to methodologies, Helion, Gliwice 2010 5. M. Krzemiński, Agile. Faster. Easier. More precisely, Helion, Gliwice 2014 6. M. Miłosz, J. K. Grabara (ed.), Dilemmas of IT project management, Polish Information Processing Society - Upper Silesian Branch, Katowice 2006 7. M. Pawlak, Project management, PWN, Warsaw 2006 8. K. S. Rubin, Scrum. A practical guide to the most popular Agile methodology, Helion, Gliwice 2014 9. Ś. Sobieski, Materials for the subject IT project management, script online, Łódź 2006 10. Z. Szyjewski, Methodology of IT project management, Placet, Warsaw 2004 11. K. Waćkowski, J. M. Chmielewski, Supporting project management information technology. Guide for managers, Helion, Gliwice 2007. 12. H. Wolf, Agile projects in a classic organization. Scrum, Kanban, XP, Helion, Gliwice 2014. 13. R. K. Wysocki, Effective project management. Traditional, agile, extreme, Wiley. 2019
Additional literature