

**Course Syllabus****Course from study programme for the cycle: 2022/2023****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
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Type of class ( <i>use only the types mentioned below</i> )	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
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**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
<b>KNOWLEDGE</b>		
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,
<b>SKILLS</b>		
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
<b>SOCIAL COMPETENCIES</b>		
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**

<p><b>Defining and understanding a project</b>  <b>Project stakeholders</b>  <b>The scope triangle</b>  <b>Project Management Life Cycles</b>  <b>Project Management Process Groups</b>  <b>Various types of projects and their classification with special consideration of SCRUM</b>  <b>RBS, POS, WBS and other information organizing elements</b>  <b>PM process groups</b>  <b>IT tools for PM</b>  <b>Group work techniques</b>  <b>Client communication basis</b></p>
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**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)
<b>KNOWLEDGE</b>			
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
<b>SKILLS</b>			
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
<b>SOCIAL COMPETENCIES</b>			
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)	<b>45</b>
Number of hours of individual student work	<b>75</b>

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## VIII. Literature

Basic literature
<ol style="list-style-type: none"><li>1. Z. Biniak, Selected elements of IT project management, VISION PRESS &amp; IT, Warsaw 2010</li><li>2. M. Chrapko, Scrum. About agile project management, Helion, Gliwice 2013</li><li>3. W. Dąbrowski, Basics of project management, PJWSTK Publishing House, Warsaw 2014</li><li>4. A. Koszlajda, IT project management. Guide to methodologies, Helion, Gliwice 2010</li><li>5. M. Krzemiński, Agile. Faster. Easier. More precisely, Helion, Gliwice 2014</li><li>6. M. Miłoś, J. K. Grabara (ed.), Dilemmas of IT project management, Polish Information Processing Society - Upper Silesian Branch, Katowice 2006</li><li>7. M. Pawlak, Project management, PWN, Warsaw 2006</li><li>8. K. S. Rubin, Scrum. A practical guide to the most popular Agile methodology, Helion, Gliwice 2014</li><li>9. Ś. Sobieski, Materials for the subject IT project management, script online, Łódź 2006</li><li>10. Z. Szyjewski, Methodology of IT project management, Placet, Warsaw 2004</li><li>11. K. Waćkowski, J. M. Chmielewski, Supporting project management information technology. Guide for managers, Helion, Gliwice 2007.</li><li>12. H. Wolf, Agile projects in a classic organization. Scrum, Kanban, XP, Helion, Gliwice 2014.</li><li>13. R. K. Wysocki, Effective project management. Traditional, agile, extreme, Wiley. 2019</li></ol>
Additional literature