



## Subject card

|   |   |  |  |                                     |  |            |     |
|---|---|--|--|-------------------------------------|--|------------|-----|
| Subject name and code                       | Project Management, PG_00067360   |  |  |                                     |  |            |     |
| Field of study                              | Engineering Management  |  |  |                                     |  |            |     |
| Date of commencement of studies             | October 2025  |  | Academic year of realisation of subject  |                                     | 2026/2027  |            |     |
| Education level                             | first-cycle studies   |  | Subject group  |                                     | Obligatory subject group in the field of study<br>Subject group related to scientific research in the field of study |            |     |
| Mode of study                               | Full-time studies   |  | Mode of delivery   |                                     | at the university  |            |     |
| 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 -> Wydział Politechniki Gdańskiej  |  |  |                                     |  |            |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor  |  |  |                                     |  |            |     |
|   | Teachers  |  |  |                                     |  |            |     |
| 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: 0.0  |  |  |                                     |  |            |     |
| 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   |  | 5.0                                 |  | 60.0       | 125 |
| Subject objectives                          | Plans the design process, taking into account all factors affecting the achievement of planned goals in a timely and financially effective manner                         |  |  |                                     |  |            |     |
| Learning outcomes                           | Course outcome  |  | Subject outcome  |                                     | Method of verification   |            |     |
|   | [K6_K01] is ready to fulfill professional roles responsibly, taking legal, ethical, and cultural aspects into account in decision-making processes.                       |  | is able to operate in a project environment with consideration for applicable standards and social conditions, making decisions that reflect a responsible approach to the team, stakeholders, and the project context |                                     | [SK5] Assessment of ability to solve problems that arise in practice   |            |     |
|   | [K6_W05] possesses advanced knowledge in integrating data from various sources and in the methods that enable a comprehensive analysis of contemporary management issues. |  | integrates data and information from many sources, selecting appropriate methods, obtaining the desired solution   |                                     | [SW1] Assessment of factual knowledge  |            |     |
|   | [K6_U03] collaborates with others in solving interdisciplinary problems.  |  | is able to effectively engage in collaborative project work, taking into account various expert perspectives and adapting communication to a diverse team  |                                     | [SU5] Assessment of ability to present the results of task   |            |     |

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| Subject contents   | LECTURE:<br>Basic issues related to project management<br>Classic, agile and adaptive project management methodologies<br>Project planning principles<br>Areas and processes of project management<br>Project integration management<br>Project scope management<br>Project resource management<br>Time management in the project<br>Project cost management<br>Methods of cost and project duration analysis<br>Quality management in the project<br>Project communication management<br>Project risk management<br>Project order management. Project portfolio management<br>LABORATORY<br>Using the MS Project software to implement your own project<br>Designing a network of activities in the form of a network diagram<br>Designing a flowchart with a task list, parent and child tasks<br>Assignment of resources to tasks according to the method of constant work, constant time, constant number of resources<br>Resource balancing and elimination of overloads<br>Overtime as a rescue resource<br>Shared resource pool<br>Managing multiple projects<br>Project cost analysis<br>Risk analysis of meeting the project deadline<br>Reporting (printouts) |  |                               |
| 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  | Project Management Institute, Inc.: A Guide to the Project Management Body of Knowledge, (PMBOK® Guide)<br>Redlarski, Krzysztof. Podstawy metodyki zarządzania projektami w ujęciu klasycznym. Wydawnictwo Politechniki Gdańskiej, 2016<br>Trocki M.: Zarządzanie projektami, PWN Warszawa 2003r<br>Wilczewski S.: MS Project 2010 i MS Project Server 2010. Helion 2011 |                               |
|  | Supplementary literature  | Pritchard Carl L., Zarządzanie ryzykiem w projektach, WIG - PRESS Warszawa 2002<br>Kerzner H.: Project Management a Systems Approach, To Pleanning, Scheduling and Controlling<br>Chatfield C., Johnson T., MicrosoftOffice Project 2010 krok po kroku, RM Warszawa 2011   |                               |
|  | eResources addresses  | Adresy na platformie eNauczanie:   |                               |
| Example issues/<br>example questions/<br>tasks being completed | Project management exercises  |  |                               |
| Work placement   | Not applicable  |  |                               |

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