



Subject card

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| Subject name and code | Project Management, PG_00044437 | | | | | | |
| Field of study | Engineering Management | | | | | | |
| Date of commencement of studies | October 2022 | | Academic year of realisation of subject | | 2023/2024 | | |
| 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 | Part-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 | | dr inż. Sławomir Ostrowski | | | | |
| | Teachers | | dr inż. Sławomir Ostrowski | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 16.0 | 0.0 | 16.0 | 0.0 | 0.0 | 32 |
| | 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 | 32 | | 7.0 | | 86.0 | 125 |
| Subject objectives | <p>The course is intended to:</p> <ul style="list-style-type: none">• 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 | Student plans and develops management stages projects. Perform resource selection and solutions excessive conflicts loads. Anticipates and estimates compliance risk scheduled dates in projects. He compares and surrenders critical judgment generated costs in relation to planned costs. Takes up the challenges and justifies adopted solutions. Support group work in implementation projects. | [SU4] Assessment of ability to use methods and tools |
| | [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 | Student can perform the project using MS Project software. Student can allocate resources to tasks from taking into account the schedule project. | [SW2] Assessment of knowledge contained in presentation |
| | [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 |
| 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; Earned 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 |
| | Project | 100.0% | 60.0% |
| | Written exam | 60.0% | 40.0% |
| Recommended reading | Basic literature | 1. Project Management Institute, Inc.: A Guide to the Project Management Body of Knowledge, (PMBOK® Guide) 2. Redlarski, Krzysztof. <i>Podstawy metodyki zarządzania projektami w ujęciu klasycznym</i> . Wydawnictwo Politechniki Gdańskiej, 2016. 3. Trocki M.: <i>Zarządzanie projektami</i> , PWN Warszawa 2003r; 4. Wilczewski S.: <i>MS Project 2010 i MS Project Server 2010</i> . Helion 2011 | |

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| | Supplementary literature | <p>1. Pritchard Carl L., Zarządzanie ryzykiem w projektach, WIG - PRESS Warszawa 2002;</p> <p>2. Kerzner H.: Project Management a Systems Approach, To Pleanning, Scheduling and Controlling;</p> <p>3. Chatfield C., Johnson T., MicrosoftOffice Project 2010 krok po kroku, RM Warszawa 2011</p> |
| | eResources addresses | <p>Adresy na platformie eNauczanie:</p> <p>Zarządzanie projektami 2023 - niestacjonarne ZI sem. 3 - Moodle ID: 33838</p> <p>https://enauczanie.pg.edu.pl/moodle/course/view.php?id=33838</p> |
| Example issues/ example questions/ tasks being completed | Exercises on projects management | |
| Work placement | Not applicable | |

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