GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

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|---|---|---|---|
| Subject name and code | Project management, PG_00053353 | | |
| Field of study | Biomedical Engineering, Biomedical Engineering | | |
| Date of commencement of studies | February 2026 | Academic year of realisation of subject | 2025/2026 |
| Education level | second-cycle studies | Subject group | Obligatory subject group in the field of study<br>Humanistic-social subject group<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 | 1 | Language of instruction | Polish |
| Semester of study | 1 | ECTS credits | 2.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Department Of Computer Architecture -> Faculty Of Electronics Telecommunications And Informatics -> Wydziały Politechniki Gdańskiej | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr inż. Jarosław Kuchta | |
| | Teachers | dr inż. Jarosław Kuchta | |

**Lesson types and methods of instruction**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 0.0 | 15.0 | 0.0 | 0.0 | 0.0 | 15 |

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 | 15 | 5.0 | 30.0 | 50 |

**Subject objectives**

Understanding the basics of project management with particular emphasis on IT projects

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [K7_K01] is ready to create and develop models of proper behaviour in the work and life environment; undertake initiatives; critically evaluate actions of their own, teams and organisations they are part of; lead a group and take responsibility for its actions; responsibly perform professional roles taking into account changing social needs, including: - developing the achievements of the profession, - observing and developing rules of professional ethics and acting to comply to these rules | The student is ready to take responsibility for the created project in the context of the organization. | [SK1] Assessment of group work skills<br>[SK3] Assessment of ability to organize work |

**Subject contents**

1. Introduction to project management. Two approaches to management
2. Classic methodologies of IT project management: cascade, iteration-incremental, multiphase
3. Agile methodologies - problems and limitations
4. Requirements engineering - extracting requirements, requirements versus quality
5. Estimating labor needs, costs and time
6. Risk analysis

**Prerequisites and co-requisites**

**Assessment methods and criteria**

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| Test | 50.0% | 30.0% |
| Frequency | 50.0% | 30.0% |
| Small teams exercises | 50.0% | 40.0% |

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|---|---|---|
| Recommended reading | Basic literature | 1. Gregory Horine: Project Management Absolute Beginners Guide, 2017<br>2. Harol Kerzner: Project Management: A Systems Approach to Planning, Scheduling, and Controlling, 2013 |
| | Supplementary literature | 1. PRINCE2 - The Executive Guide to Directing Projects, 2009<br>2. A Guide to the Project Management Body of Knowledge: PMBOK® Guide (Sixth Edition) |
| | eResources addresses | Adresy na platformie eNauczanie: |
| Example issues/ example questions/ tasks being completed | 1. Preparation of requirements specification<br>2. Estimation of labor intensity and costs<br>3. Development of the project schedule<br>4. Conducting a risk analysis | |
| Work placement | Not applicable | |

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