University of Gdańsk

Subject card

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| Subject name and code | IT Tools in Projects, PG_00200052 | | | | | | |
| Field of study | Economics | | | | | | |
| Date of commencement of studies | October 2026 | | Academic year of realisation of subject | | 2027/2028 | | |
| Education level | Master's studies | | Subject group | | Obligatory subject group in the field of study<br>Optional subject group<br>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 | 4 | | ECTS credits | | 3.0 | | |
| Learning profile | academic | | Assessment form | | credit | | |
| Conducting unit | Department of Maritime Transport and Seaborne Trade -> Faculty of Economics -> Rector | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr Olga Dębicka | | | | |
| | Teachers | | | | | | |
| Lesson types | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 6.0 | 12.0 | 0.0 | 12.0 | 0.0 | 30 |
| | 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 | 30 | | 0.0 | 45.0 | 75 | |
| Subject objectives | The purpose of the course is to familiarize students with modern IT tools used in project management. Students will learn how to effectively use software to plan, monitor and control projects. As a result, students will be better prepared to implement projects in complex business and technological environments. | | | | | | |

## Learning outcomes

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [EKONMU2_K03] inspires and organises preparation of economic and social projects, following the idea of sustainable development, reconciling legal, economic, ecological, political and social requirements | The student is able to use IT tools for effective communication and collaboration in a project team, taking into account the different requirements and expectations of stakeholders. | [SK1] oral statement/conversation/ discussion |
| [EKONMU2_K02] is aware of the level of their knowledge in the area of solving complex problems in economic,; understands the need to extend and update this knowledge throughout his/her life | Students are able to use IT tools to acquire knowledge on their own, such as through online courses, e-learning, webinars | [SK1] oral statement/conversation/ discussion |
| [EKONMU2_U06] can practically apply various forms and range of acquired knowledge in economics, finance and management, supplementing it with an independent critical analysis of its efficiency and usefulness | Group cooperation teaches to prioritize specific tasks in the prepared project. The student is active and entrepreneurial. | [SU1] oral statement/conversation/ discussion<br>[SU2] presentation/project/paper/ report |
| [EKONMU2_W08] has an in-depth knowledge of processes occurring in enterprises and economic organisations and with related areas, as well as of processes of change in public institutions; knows methods of research on the regularities governing these changes, taking into account the influence of external stakeholders on them | The student uses his knowledge of information technology to solve problems in business projects. | [SW2] presentation/project/paper/ report |
| [EKONMU2_U13] can manage teamwork as well as interact and work in a team (including in an international environment) assuming a leading role in it | Can design group work and correctly assign roles to team members. | [SU1] oral statement/conversation/ discussion |

## Subject contents

- Introduction to IT tools supporting project management; the essence and importance of IT solutions in the process of project planning and implementation.
- IT instruments in the process of project management. Criteria for selecting software to support project management. Presentation of selected IT tools to assist in project management.
- Preparation of a schedule using various IT platforms; reporting of project progress using various tools.
- Projects requiring time, resource and task management - tools available in the Offoce 365 package.
- GanttProject- using a free tool for scheduling and resource planning.
- MS Project as a basic IT tool in project management. Scheduling harmongram, tasks, assigning resources to tasks, controlling project execution,
- Open Project web platform in project management. Cost recording and budget control on a selected example.
- Performing project tasks related to: building schedules, creating task list and structure, resource planning.

To further develop the concepts discussed during the lectures, students may take advantage of consultation hours.

## Prerequisites and co-requisites

## Assessment methods and criteria

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| Preparation and presentation of a student project | 51.0% | 100.0% |

## Recommended reading

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| Basic literature | 1. A. Karbownik, Zarządzanie projektami w przedsiebiorstwie, Wydawinictwo Politechniki Śląskiej, Gliwice 2017.<br>2. M. Wirkus, H. Roszkowski, E. Dostatni, W. Gierulski, Zarządzanie projektem, PWE, Warszawa 2014 (rozdział 9). |
| Supplementary literature | 1. M. Trocki, Wsparcie informatyczne zarządzania projektami, Warszawa 2013 (rozdział 25)<br>2. P. Wróblewski, Zarządzanie projektami z wykorzystaniem darmowego oprogramowania. Helion, Gliwice 2009<br>3. Materiały prezentowane na zajęciach |
| eResources addresses | |

## Example issues/ example questions/ tasks being completed

## Work placement

Not applicable

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