



Subject card

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|---|--|---|-------------------------------------|------------|--|---------|-----|
| Subject name and code | Team project, PG_00055261 | | | | | | |
| Field of study | Management and Production Engineering | | | | | | |
| Date of commencement of studies | October 2024 | Academic year of realisation of subject | | | 2026/2027 | | |
| Education level | first-cycle studies | Subject group | | | Optional subject group | | |
| Mode of study | Full-time studies | Mode of delivery | | | at the university | | |
| Year of study | 3 | Language of instruction | | | Polish | | |
| Semester of study | 6 | ECTS credits | | | 4.0 | | |
| Learning profile | general academic profile | Assessment form | | | assessment | | |
| Conducting unit | Department of Manufacturing and Production Engineering -> Faculty of Mechanical Engineering and Ship Technology | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr inż. Norbert Piotrowski | | | | | |
| | Teachers | | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
| | Number of study hours | 0.0 | 0.0 | 0.0 | 30.0 | 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 | 25.0 | | 45.0 | | 100 |
| Subject objectives | The use of previously acquired knowledge to perform a structural or technological task. The task should be performed in the team, planning work on various aspects and tasks along with the skills of mutual task and information transfer between team members. | | | | | | |
| Learning outcomes | Course outcome | Subject outcome | | | Method of verification | | |
| | [K6_K01] feels the need for self-realization by learning throughout life, is looking for modern and innovative solutions in their actions, is able to think creatively and act in an entrepreneurial way | Ability to work independently. | | | [SK2] Assessment of progress of work | | |
| | [K6_U02] has the ability of self-learning and expanding knowledge in a specialized field of engineering production | Student understands the challenges related to the development of modern techniques used in production engineering and is able to independently search for solutions to technological problems | | | [SU3] Assessment of ability to use knowledge gained from the subject | | |
| | [K6_U03] is able to communicate using various techniques in the professional environment and other environments, has language skills enabling free communication in the field of technical sciences related thematically to management and production engineering | The student is able to develop the technological process of typical mechanical parts. | | | [SU1] Assessment of task fulfilment | | |
| | [K6_U01] can find the necessary information in professional literature, databases and other sources, knows basic scientific and technical journals in the field of production management, quality and operation management, can integrate the obtained information, formulate conclusions and justify opinions | The student is able to choose the appropriate techniques and means of solving the problem on the basis of professional literature. | | | [SU4] Assessment of ability to use methods and tools | | |

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| Subject contents | Performing in the team the task accepted by the teacher. Materials analysis, concepts of implementation, proposals for changes based on a review of available literature. Selection of operating parameters for accepted solutions. Analysis of the cost of the item. Simulation of the device operation (part manufacturing process). Conclusion for further work of the project. | | |
| Prerequisites and co-requisites | Completed first level engineering course, mastering CAE, CAD/CAM techniques. | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Team project | 60.0% | 100.0% |
| | | 0.0% | 0.0% |
| | | 0.0% | 0.0% |
| Recommended reading | Basic literature | References will be presented by subject leader | |
| | Supplementary literature | 1. Meyer Kutz: <i>Mechanical Engineers' handbook, Manufacturing and Management</i> , John Willey and Sons, 2006. 2. Journal literature available at PG library. | |
| | eResources addresses | Adresy na platformie eNauczenie: | |
| Example issues/ example questions/ tasks being completed | Design of device structure or technological equipment. The project of manufacturing process. Analysis of the project cost.Simulation with the use of CAE, CAD / CAM tools. | | |
| Work placement | Not applicable | | |

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