

。 GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

| Subject name and code | Diploma seminar, PG_00055265 | | | | | | | |
|--|--|--|--|-------------------------------------|------------------------|------------|---------|-----|
| Field of study | Management and Production Engineering | | | | | | | |
| Date of commencement of studies | October 2021 | | Academic year of realisation of subject | | 2024/2025 | | | |
| 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 | 4 | | Language of instruction | | Polish | | | |
| Semester of study | 7 | | ECTS credits | | 4.0 | | | |
| Learning profile | general academic profile | | Assessmer | ient 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 hab. inż. Mariusz Deja | | | | | |
| | Teachers | | dr hab. inż. Mariusz Deja | | | | | |
| Lesson types and methods of instruction | Lesson type | Lecture | Tutorial | Laboratory | Project Semina | | Seminar | SUM |
| | Number of study hours | 0.0 | 0.0 | 0.0 | 0.0 | | 15.0 | 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 | | 36.0 | | 49.0 | | 100 |
| Subject objectives | Preparing students to independently solve complex design tasks, technological, operational, organizational, experimental research or creative study and using knowledge and expertise. | | | | | | | |

| Learning outcomes | Course outcome | Subject outcome | Method of verification | | | |
|------------------------------------|--|---|--|--|--|--|
| | [K6_U05] is able to prepare and present a presentation on the results of analysis of the tasks in the area of production engineering, is able to plan and carry out experiments, measurements, computer simulations and analyses and interpret the results and draw conclusions is able to use analytical methods, simulation and experiments for formulating and solving problems associated with production engineering | Preparation of the presentation | [SU5] Assessment of ability to present the results of task | | | |
| | [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 | Critical analysis of the literature related to the subject of the thesis | [SU4] Assessment of ability to use methods and tools | | | |
| | [K6_U07] is able to conduct a preliminary economical analysis of undertaken engineering activities, is able to can conduct a critical analysis and evaluation of existing production processes and courses of selected sections of manufacturing systems, is able to identify the needs of the application of technical solutions for automation and / or robotization production stations and formulate the specifications of the resulting benefits and limitations | Economic analysis of the proposed solutions | [SU3] Assessment of ability to use knowledge gained from the subject | | | |
| | [K6_U04] is able to develop documentation in the area of preparation, implementation and control of production processes in Polish and in a foreign language considered basic for scientific fields, is able to identify and formulate the basic objectives of quality management in the product life cycle, is able to use information and communication techniques appropriate to the implementation of tasks typical in engineering activities including preparation, production and supervision of the manufacturing process | Using IT tools in Polish and foreign languages used in production engineering | [SU1] Assessment of task fulfilment | | | |
| | [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 | Taking into account economically justified solutions | [SK4] Assessment of communication skills, including language correctness | | | |
| Subject contents | Oral presentation for a given topic, related to the diploma work. Written elaboration of the presentation. | | | | | |
| Prerequisites and co-requisites | Knowledge and skills gained on a given branch of studies. | | | | | |
| Assessment methods | Subject passing criteria | Passing threshold | Percentage of the final grade | | | |
| and criteria | Semester/diploma dissertation | 60.0% | 100.0% | | | |

| Recommended reading | Basic literature | Literature adequate for realisation of individual diploma |
|--|--------------------------|---|
| | | Order of the Rector of the Gdańsk University of Technology No 17/2014 from 1 April 2014, on: implementation of the guidelines and editorial requirements for authors thesis or diploma projects carried out at the Gdansk University of Technology |
| | Supplementary literature | Literature adequate for realisation of individual diploma |
| | eResources addresses | Adresy na platformie eNauczanie: |
| | | Seminarium dyplomowe (PG_00055265), ZiIP, s. 7, r. ak. 2024/25 zimowy - Moodle ID: 42362 https://enauczanie.pg.edu.pl/moodle/course/view.php?id=42362 |
| Example issues/ example questions/ tasks being completed | | |
| Work placement | Not applicable | |

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