GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

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|---|---|---|---|
| Subject name and code | DIPLOMA THESIS, PG_00049613 | | |
| Field of study | Automation, Robotics and Control Systems | | |
| Date of commencement of studies | October 2025 | Academic year of realisation of subject | 2026/2027 |
| Education level | second-cycle studies | Subject group | Optional subject group |
| 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 | 20.0 |
| Learning profile | general academic profile | Assessment form | assessment |
| Conducting unit | Department of Electrical Power Engineering -> Faculty of Electrical and Control Engineering -> Faculties of Gdańsk University of Technology | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. inż. Anna Golijanek-Jędrzejczyk | |
| | Teachers | | |

**Lesson types**

| Lesson type | Lecture | Tutorial | Laboratory | Project | Seminar | SUM |
|---|---|---|---|---|---|---|
| Number of study hours | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0 |

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 | 0 | 19.0 | 481.0 | 500 |

**Subject objectives**

Preparation of the thesis

**Learning outcomes**

| Course outcome | Subject outcome | Method of verification |
|---|---|---|
| [K7_U03] is able to prepare and deliver a presentation on the results of an engineering task and own research | Prepares and presents results and formulates conclusions. | [SU3] Assessment of ability to use knowledge gained from the subject<br>[SU2] Assessment of ability to analyse information<br>[SU5] Assessment of ability to present the results of task |
| [K7_U01] is able to obtain information from literature, databases and other sources, to integrate information obtained information, interpret and draw conclusions and substantiate opinions in a comprehensive manner | A dissertation is being prepared. Organizes measurement, design and research work. Performs the necessary technical calculations, analyzes and comparisons. | [SU5] Assessment of ability to present the results of task<br>[SU4] Assessment of ability to use methods and tools<br>[SU3] Assessment of ability to use knowledge gained from the subject<br>[SU2] Assessment of ability to analyse information |
| [K7_W14] has knowledge of mathematical modelling, identification, optimisation, decision suport decision-making and control, knows methods of implementing advanced control algorithms in industrial equipment | Applies knowledge of mathematical modelling, identification, optimisation, decision support and control; is familiar with methods for implementing advanced control algorithms in industrial equipment. | [SW1] Assessment of factual knowledge<br>[SW3] Assessment of knowledge contained in written work and projects |

**Subject contents**

**Prerequisites and co-requisites**

Registration on the diploma semester.

**Assessment methods and criteria**

| Subject passing criteria | Passing threshold | Percentage of the final grade |
|---|---|---|
| Project | 100.0% | 100.0% |

| | | |
|---|---|---|
| Recommended reading | Basic literature | 1. Maćkiewicz J.: Jak pisać teksty naukowe. Gdańsk, Wydawnictwo Uniwersytetu Gdańskiego, 1996.<br>2. Oliver P.: Jak pisać prace uniwersyteckie. Poradnik dla studentów. Kraków, Wydawnictwo Literackie, 1999.<br>3. S. Hausman S.: Informacje dla dyplomantów przygotowujących dysertacje magisterskie. http://www.eletel.p.lodz.pl/docs/dyplomy/inf_sh_2007.pdf |
| | Supplementary literature | None |
| | eResources addresses | |
| Example issues/ example questions/ tasks being completed | 1. Collecting literature on the subject of the thesis.<br>2. Analysis of the possibilities and adoption of a solution to the problem posed in the thesis.<br>3. Implementation of the design part of the diploma thesis.<br>4. Preparation of the descriptive part of the diploma thesis. | |
| Practical activites within the subject | Not applicable | |

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