



Subject card

|   |   |  |   |                                     |         |   |     |
|---|---|--|---|-------------------------------------|---------|---|-----|
| Subject name and code                       | Master's thesis, PG_00064871  |  |   |                                     |         |   |     |
| Field of study                              | Mechanical Engineering  |  |   |                                     |         |   |     |
| Date of commencement of studies             | February 2025   | Academic year of realisation of subject                  |   |                                     |         | 2025/2026   |     |
| Education level                             | second-cycle studies  | Subject group  |   |                                     |         | Optional 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                               | 2   | Language of instruction                                  |   |                                     |         | Polish  |     |
| Semester of study                           | 3   | ECTS credits   |   |                                     |         | 20.0  |     |
| Learning profile                            | general academic profile  | Assessment form  |   |                                     |         | assessment  |     |
| Conducting unit                             | Institute of Mechanics and Machine Design -> Faculty of Mechanical Engineering and Ship Technology  |  |   |                                     |         |   |     |
| Name and surname of lecturer (lecturers)    | Subject supervisor  |  | dr hab. inż. Michał Wodtke  |                                     |         |   |     |
|   | 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                                 | 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  |   | 30.0                                |         | 470.0   | 500 |
| Subject objectives                          | Preparation of a master's thesis by the student with the topic and scope defined by the supervisor.   |  |   |                                     |         |   |     |
| Learning outcomes                           | Course outcome  |  | Subject outcome   |                                     |         | Method of verification  |     |
|   | [K7_U02] formulates and solves technical problems specific to Mechanics and Mechanical Engineering using appropriate tools including CAD and MES systems, and prepares technical documentation  |  | The student is able to document the proposed solution to the problem in the form of documentation appropriate to the field of study and the specifics of the problem analysed. Performs, using appropriate tools, the necessary models, calculations, research, analysis and comparisons. |                                     |         | [SU4] Assessment of ability to use methods and tools<br>[SU3] Assessment of ability to use knowledge gained from the subject<br>[SU1] Assessment of task fulfilment |     |
|   | [K7_U14] integrates information obtained from literature and other properly selected sources, including those in a foreign language, creatively interpreting and critically evaluating them, and drawing conclusions  |  | The student prepares a critical review of literature and solutions related to the topic of the work using publications in Polish or foreign language. Develops an oral presentation of his/her work.  |                                     |         | [SU5] Assessment of ability to present the results of task<br>[SU2] Assessment of ability to analyse information  |     |
|   | [K7_K13] is ready for responsible performance of professional roles, considering ever-changing need of the society, including self development and supporting and fulfilling work ethics  |  | The student prepares a thesis. The student can consider non-technical aspects during the implementation of the task resulting from the thesis topic.  |                                     |         | [SK4] Assessment of communication skills, including language correctness<br>[SK3] Assessment of ability to organize work  |     |
| Subject contents                            | Principles and requirements for the Master's thesis. Implementation of the thesis under the supervisor's supervision according to the defined scope and topic. Editorial preparation of the thesis content for publication. Consultation of the project with the supervisor and, if necessary, other experts. Preparation of a multimedia presentation. |  |   |                                     |         |   |     |
| Prerequisites and co-requisites             | Registration for the diploma semester.  |  |   |                                     |         |   |     |
| Assessment methods and criteria             | Subject passing criteria  |  | Passing threshold   |                                     |         | Percentage of the final grade   |     |
|   | Evaluation of the thesis  |  | 56.0%   |                                     |         | 100.0%  |     |
| Recommended reading                         | Basic literature  |  | Literature in line with the subject of the work.  |                                     |         |   |     |
|   | Supplementary literature  |  | Literature in line with the subject of the work.  |                                     |         |   |     |

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|  | eResources addresses   | Adresy na platformie eNauczanie: |
| Example issues/<br>example questions/<br>tasks being completed | The Faculty website provides current lists of questions for the diploma examination, specific to the specialisation. |                                  |
| Work placement   | Not applicable   |                                  |

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