



Subject card

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| Subject name and code | Team Project, PG_00055483 | | | | | | |
| Field of study | Mechatronics | | | | | | |
| 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 Energy and Industrial Apparatus -> Faculty of Mechanical Engineering and Ship Technology | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr hab. inż. Marek Galewski | | | | |
| | 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 | | 20.0 | | 50.0 | 100 |
| Subject objectives | Presentation of the design process and solve engineering problems | | | | | | |
| Learning outcomes | Course outcome | Subject outcome | | | Method of verification | | |
| | [K6_U03] has self-learning skills | Student deepens his knowledge in the field corresponding to a given engineering problem | | | [SU3] Assessment of ability to use knowledge gained from the subject | | |
| | [K6_U01] is able to acquire information from literature, databases and other, properly chosen sources, integrate these information, interpret them, draw conclusions and formulate opinions | Student selects knowledge sources and synthesises gained information | | | [SU2] Assessment of ability to analyse information | | |
| | [K6_U04] is able to utilise known methods and mathematical models as well as analogue and digital measurement methods for analysing and assessment of stationary continuous and discrete mechatronics systems and processes | Student applies methods and techniques to solve engineering problems adequate to a given tasks | | | [SU4] Assessment of ability to use methods and tools | | |
| | [K6_U02] is able to elaborate on specific mechatronic topics as well as topics from engineering and technology sciences and disciplines such as Mechanical Engineering, Automation, Electronics, Electrical Engineering and Space Technologies | Student solves practical engineering tasks | | | [SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment | | |
| Subject contents | <p>Defining the problem. Solving engineering tasks using current knowledge and expertise. The use of modern tools supporting engineering activities and cooperation</p> <p>It is planned, to perform projects in cooperation with students from other degree courses, for example Mechanical-Medical Engineering. Students will cooperate in teams to expand existing or develop new solutions (based on a given specifications and constraints) in scope of, for example, mechanical construction, automatic control of device functions, communication, sensors, actuators, safety elements etc.</p> | | | | | | |

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| Prerequisites and co-requisites | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | design task | 60.0% | 100.0% |
| Recommended reading | Basic literature | No requirements | |
| | Supplementary literature | Teamwork and Project Management. K. Smith. McGraw-Hill Education 2013 | |
| | eResources addresses | Adresy na platformie eNauczanie: | |
| Example issues/ example questions/ tasks being completed | <p>Design task will be defined by the tutor at the beginning of the semester</p> <p>For example: Project of the device for close transport of patients with limited mobility Project of the device for monitoring selected parameters of the sportsman during performing his exercises</p> | | |
| Work placement | Not applicable | | |

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