



Subject card

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|---|--|---|-------------------------------------|------------|--|---------|-----|
| Subject name and code | Team Project, PG_00033399 | | | | | | |
| Field of study | Automation, Robotics and Control Systems | | | | | | |
| Date of commencement of studies | February 2024 | Academic year of realisation of subject | | | 2024/2025 | | |
| Education level | second-cycle studies | Subject group | | | Optional subject group 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 | 1 | Language of instruction | | | Polish | | |
| Semester of study | 2 | ECTS credits | | | 4.0 | | |
| Learning profile | general academic profile | Assessment form | | | assessment | | |
| Conducting unit | Department of Mechatronics and High Voltage Engineering -> Faculty of Electrical and Control Engineering | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | dr hab. inż. Arkadiusz Żak | | | | | |
| | 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 | 60.0 | 0.0 | 60 |
| | 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 | 60 | 15.0 | | 25.0 | 100 | |
| Subject objectives | The main purpose of the team project is to prepare students to work in a research team (together with other students, student employers or university research staff) to tackle an independently identified and formulated problem, as well as the proposed solution to a technical problem. Its solution requires gaining new and additional skills, self-education, knowledge transfer, planning and the organisation skills for individual and team working, as well as the preparation of necessary project documentation and presentation of the objectives achieved. | | | | | | |
| Learning outcomes | Course outcome | Subject outcome | | | Method of verification | | |
| | K7_U13 | students understand the need for team communication as well as the importance of the quality of solutions proposed for their possible development in the future | | | [SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information | | |
| | K7_W06 | students can use their knowledge and various techniques learned related with the realisation of the project | | | [SW1] Assessment of factual knowledge [SW3] Assessment of knowledge contained in written work and projects [SW2] Assessment of knowledge contained in presentation | | |
| | K7_U02 | students understand their role in a team and assigned tasks as well as control the fulfilment of schedule requirements | | | [SU1] Assessment of task fulfilment [SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information | | |
| Subject contents | Team project in the field of electrical and/or control engineering. In the first phase team project activities take place supervised by an academic research staff member and/or with participation of other specialists related with the team project subject. During this phase the objectives, scope and basic assumptions of the project are formulated. In the second phase students, in close contact with the team project supervisor, find solutions of individual tasks and problems formulated within the team project, prepare final presentation and report. | | | | | | |

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| Prerequisites and co-requisites | Basic skills related to the use of personal computer, word processor as well as programming related with professional requirements | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Individual activity | 75.0% | 50.0% |
| | Final presentation and report | 75.0% | 50.0% |
| Recommended reading | Basic literature | Individual literature selection according to the project subject chosen. | |
| | Supplementary literature | <ol style="list-style-type: none"> 1. Renata Wojciechowska: Przewodnik metodyczny pisania pracy dyplomowej. Wydawnictwo Difin, 2010 2. Adam Wolański: Edycja tekstów. Praktyczny Poradnik. Wydawnictwo PWN, 2008 | |
| | eResources addresses | Adresy na platformie eNauczenie: | |
| Example issues/ example questions/ tasks being completed | <ol style="list-style-type: none"> 1. Project of an exoskeleton for heavy duty workers 2. Project of a system supporting rehabilitation of people with disabilities 3. Project of a monitoring system of technical devices, people health, etc. | | |
| Work placement | Not applicable | | |