



Subject card

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|---|---|--|----------|-------------------------------------|--|------------|-----|
| Subject name and code | Group Work, PG_00042027 | | | | | | |
| Field of study | Power Engineering, Power Engineering | | | | | | |
| Date of commencement of studies | October 2023 | Academic year of realisation of subject | | | 2023/2024 | | |
| Education level | first-cycle studies | Subject group | | | Obligatory subject group in the field of study 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 | | | English | | |
| Semester of study | 2 | ECTS credits | | | 2.0 | | |
| 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 inż. Paweł Szymański | | | | | |
| | Teachers | dr inż. Paweł Szymański | | | | | |
| 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 | | 5.0 | | 15.0 | 50 |
| Subject objectives | The students gain experience in forming groups, selecting leaders, making suggestions, creating ideas, negotiation, discussion, taking responsibility, solving conflicts, making decisions, maintaining atmosphere and learning to cooperate in groups. | | | | | | |

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| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [K6_U01] can obtain information from literature and other sources, organize, interpret it and draw and formulate conclusions; has the ability to self-educate, interprets the results of completed engineering tasks, is able to design simple energy systems and their systems | The student can acquire information from literature and other sources, organize, interpret and draw conclusions and formulate conclusions; has the ability to self-education, the results of engineering tasks performed, speaks English | [SU1] Assessment of task fulfilment [SU2] Assessment of ability to analyse information [SU5] Assessment of ability to present the results of task |
| | [K6_K02] is able to work in a group taking different roles in it, can think and act in an entrepreneurial way, is aware of responsibility for their own work and responsibility for teamwork | The student is able to work in a group taking on different roles, is able to think and act in an entrepreneurial way, is aware of the responsibility for his own work and take responsibility for teamwork | [SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness [SK1] Assessment of group work skills |
| | [K6_K01] is aware of the need for training and self-improvement in the profession of energy and the possibility of further education; can think and act in a creative and entrepreneurial manner; can define priorities for the implementation of an individual or group task | The student is able to organize further education and self-improvement in the field of energy industry and is able to find opportunities for further education | [SK3] Assessment of ability to organize work [SK5] Assessment of ability to solve problems that arise in practice |
| [K6_K03] is able to react in emergency situations, threats to health and life when using energy devices, is aware of the impact of engineering activities on the environment | The student knows about the risks to health and life when using power equipment, is aware of the impact of engineering activities on the environment | [SK1] Assessment of group work skills [SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness | |
| Subject contents | Forming groups, clarifying goals and particular tasks, role of leader, types of group leaders, leadership systems, participation of individuals, allocation of responsibility, effective group characteristics, generating ideas (brain storm), encouraging ideas, encouraging individuals activity and motivation, conflicts in groups, principles of discussion, principles of negotiations, methods of manipulation, preparing presentations, organisation of meetings, problems of risk and making decisions, giving, questioning, seeking information and opinions, group atmosphere. Designing and building of technical models according to teachers instructions. | | |
| Prerequisites and co-requisites | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Activity during classes | 70.0% | 70.0% |
| | Attending classes | 80.0% | 30.0% |
| Recommended reading | Basic literature | Teaching materials will be selected by the teacher and the students will be informed about them at the beginning of the semester (according to the designed model). | |
| | Supplementary literature | Teaching materials will be selected by the teacher and the students will be informed about them at the beginning of the semester (according to the designed model). | |
| | eResources addresses | Adresy na platformie eNauczanie: | |
| Example issues/ example questions/ tasks being completed | Students design energy devices in groups, e.g. solar BBQ grill, solar powered bus stop, wave power plant | | |
| Work placement | Not applicable | | |