



Subject card

| | | | | | | | |
|---|---|--|---|-------------------------------------|--|------------|-----|
| Subject name and code | BSc Diploma Project I, PG_00047936 | | | | | | |
| Field of study | Biomedical Engineering, Biomedical Engineering, Biomedical Engineering | | | | | | |
| Date of commencement of studies | October 2022 | | Academic year of realisation of subject | | 2024/2025 | | |
| Education level | first-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 | 3 | | Language of instruction | | Polish | | |
| Semester of study | 6 | | ECTS credits | | 2.0 | | |
| Learning profile | general academic profile | | Assessment form | | assessment | | |
| Conducting unit | Department of Biomedical Engineering -> Faculty of Electronics, Telecommunications and Informatics | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | | | | | |
| | 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 | | 5.0 | | 15.0 | 50 |
| Subject objectives | Preparing the student for the implementation of the diploma project, and then systematically monitoring the progress of his own work during the implementation of the project, giving him consultation, advice and guidance. Checking the practical effects of design work. | | | | | | |

| | | | |
|--|---|--|--|
| Learning outcomes | Course outcome | Subject outcome | Method of verification |
| | [K6_U05] can plan and conduct experiments related to the field of study, including computer simulations and measurements; interpret obtained results and draw conclusions | Creates concepts for solving project-related problems in the area of biomedical engineering. Is able to analyze the problem in terms of tools and methods useful to solve it. | [SU1] Assessment of task fulfilment |
| | [K6_K03] is ready to meet social obligations, co-organise activities for the social environment, initiate actions for the public interest, think and act in an entrepreneurial way | Justifies the social and technological significance of the solution and the path to achieving it. | [SK4] Assessment of communication skills, including language correctness [SK5] Assessment of ability to solve problems that arise in practice |
| | [K6_K02] is ready to critically assess possessed knowledge and acknowledge the importance of knowledge in solving cognitive and practical problems | Prepares a review of the state of knowledge, justifies the need and motivation for implementing an engineering project. | [SK2] Assessment of progress of work |
| | [K6_U08] while identifying and formulating specifications of engineering tasks related to the field of study and solving these tasks, can:n- apply analytical, simulation and experimental methods,n- notice their systemic and non-technical aspects,n- make a preliminary economic assessment of suggested solutions and engineering work n | Knows CAD design tools, Matlab simulation environments, software development environments, text editing and presentation tools. Demonstrates the ability to plan design work taking into account technical and economic realities. | [SU4] Assessment of ability to use methods and tools [SU5] Assessment of ability to present the results of task |
| | [K6_U11] can plan and organise individual and team work | Can plan project stages, using project planning tools and monitoring its progress. In the case of team work, it is able to create and adhere to teamwork schedules, with the division of tasks between individual contractors. | [SU5] Assessment of ability to present the results of task [SU1] Assessment of task fulfilment |
| Subject contents | Content in accordance with the project charter. | | |
| Prerequisites and co-requisites | | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | Project | 50.0% | 100.0% |
| Recommended reading | Basic literature | Content in accordance with the project charter. | |
| | Supplementary literature | Content in accordance with the project charter. | |
| | eResources addresses | Adresy na platformie eNauczanie: | |
| Example issues/ example questions/ tasks being completed | | | |
| Work placement | Not applicable | | |

Document generated electronically. Does not require a seal or signature.