



Subject card

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|---|---|--|---|-------------------------------------|------------------------|------------|-----|
| Subject name and code | Practice, PG_00049381 | | | | | | |
| Field of study | Biomedical Engineering, Biomedical Engineering, Biomedical Engineering | | | | | | |
| Date of commencement of studies | October 2022 | | Academic year of realisation of subject | | 2025/2026 | | |
| 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 | 4 | | Language of instruction | | Polish | | |
| Semester of study | 7 | | ECTS credits | | 2.0 | | |
| Learning profile | general academic profile | | Assessment form | | assessment | | |
| Conducting unit | Department of Polymers Technology -> Faculty of Chemistry | | | | | | |
| Name and surname of lecturer (lecturers) | Subject supervisor | | dr inż. Radosław Pomećko | | | | |
| | 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 | | 2.0 | | 48.0 | 50 |
| Subject objectives | Student describes the chemical basis of production in the plant Student gains knowlegde on functioning of the production company Student works in groups. | | | | | | |

| Learning outcomes | Course outcome | Subject outcome | Method of verification |
|---------------------------------|---|--|---|
| | [K6_K01] is ready to cultivate and disseminate models of proper behaviour in and outside the work environment; make independent decisions; critically evaluate actions of their own, teams they lead and organisations they are part of; take responsibility for results of these actions; responsibly perform professional roles, including: - observing rules of professional ethics and require it from others, - care for the achievements and traditions of the profession | Students has practical knowledge about biomedical engineering aspects. | [SK5] Assessment of ability to solve problems that arise in practice [SU2] Assessment of ability to analyse information |
| | [K6_K02] is ready to critically assess possessed knowledge and acknowledge the importance of knowledge in solving cognitive and practical problems | The student has the knowledge and abilities in the field of biomedical engineering. | [SK1] Assessment of group work skills [SK5] Assessment of ability to solve problems that arise in practice |
| | [K6_U08] while identifying and formulating specifications of engineering tasks related to the field of study and solving these tasks, can: - apply analytical, simulation and experimental methods, - notice their systemic and non-technical aspects, - make a preliminary economic assessment of suggested solutions and engineering work | The student can analyze given problems and data, to find the right the solution. | [SU4] Assessment of ability to use methods and tools [SU3] Assessment of ability to use knowledge gained from the subject |
| | [K6_U11] can plan and organise individual and team work | The student can prepare a detailed documentation about the work placement. The student is able to work individually and in a team. | [SK2] Assessment of progress of work [SK1] Assessment of group work skills [SU4] Assessment of ability to use methods and tools [SU2] Assessment of ability to analyse information |
| | [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 | The student knows the role and importance of engineer profession. | [SK5] Assessment of ability to solve problems that arise in practice |
| Subject contents | The aim of the general apprenticeship is to improve of technological and engineering skills obtained by students in the course of studies by comparison with technological processes and questions of biomedical engineering realized on an industrial scale, in a given institution. If possible, the general apprenticeship should familiarize students with the following problems: - getting familiar with the organization of work: - the determination of location conditions, - knowledge of applied technologies, the origin and preparation of materials, - basic apparatus, - getting familiar with the shift work, production conditions and necessary documents, - getting acquainted with organization of technological section, duties of the chief technologist, - solving problems according to the recommendations of the apprenticeship supervisor. Students spend at least four weeks in the institution related to the area of study (industrial plant, R & D laboratory). In addition, during the general apprenticeship students acquaint with organizational structure, its regulations as well as the structure of production in the chosen company. If this is possible, the apprenticeship should familiarize students with the following problems: - institutional work regulations, safety and hygiene procedures as well as the protection of state secret and confidential information; - the organizational structure of institution; - information about manufactured products and marketing; - the main foundations of system of quality management and environmental protection; - main stages of production as well as technological sections. | | |
| Prerequisites and co-requisites | The basic knowledge of chemistry and biomedical engineering. | | |
| Assessment methods and criteria | Subject passing criteria | Passing threshold | Percentage of the final grade |
| | A certificate of completion | 100.0% | 50.0% |
| | Written report on the apprenticeship | 60.0% | 40.0% |
| | Chart of apprenticeship | 100.0% | 10.0% |
| Recommended reading | Basic literature | Regulamin odbywania praktyk zawodowych Politechniki Gdańskiej, Zarządzenie Rektora nr 2/2011 z 28 stycznia 2011r. (http://www.pg.gda.pl/chem/pl/images/stories/dokumenty_wydzialowe/reg-2011.pdf) Lista katedralnych opiekunów praktyk studenckich dostępna pod adresem: http://www.pg.gda.pl/chem/pl/images/stories/dokumenty_wydzialowe/katedralni_opiekunowie_praktyk.pdf Instrukcje BHP, technologiczne i inne materiały dostarczane przez zakład goszczący praktykanta. | |
| | Supplementary literature | No requirements | |
| | eResources addresses | Adresy na platformie eNauczanie: | |

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| Example issues/ example questions/ tasks being completed | |
| Work placement | Not applicable |

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