GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	PRACTICE, PG_00049389		
Field of study	Chemistry in Construction Engineering		
Date of commencement of studies	October 2020	Academic year of realisation of subject	2022/2023
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	6.0
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. Monika Gensicka-Kowalewska	
	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	5.0	155.0	160

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_K06	The student is able to work in a team, both organizing and coordinating the activities of the team, and performing the assigned tasks	[SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness [SK1] Assessment of group work skills
K6_K01	The student is able to present the effects of his work, provide information in a generally understandable way, communicate, make self-assessment and constructive criticism of other people's work	[SK4] Assessment of communication skills, including language correctness [SK2] Assessment of progress of work
K6_K03	The student is able to solve problems related to the implementation of the task, performs risk assessment and is able to assess the effects of the activities performed. He can present the effects of his work, convey information in a generally comprehensible way, communicate, self-evaluate and constructively criticize the work of other people.	[SK3] Assessment of ability to organize work [SK4] Assessment of communication skills, including language correctness [SK5] Assessment of ability to solve problems that arise in practice [SK1] Assessment of group work skills
K6_U10	The student acquires the skills of proper and rational selection of building materials in terms of functional, economic and ecological aspects.	[SU2] Assessment of ability to analyse information [SU3] Assessment of ability to use knowledge gained from the subject [SU4] Assessment of ability to use methods and tools

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 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 doccuments, - getting aquainted 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 procedurs 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 chemistry of building materials.

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Written report on the apprenticeship	60.0%	40.0%
Chart of apprenticeship	100.0%	10.0%
A certificate of completion	100.0%	50.0%

Recommended reading

Basic literature	The rules for the implementation of internships by students at chemical department are available at: https://chem.pg.edu.pl/dziekanat-wch/dla-studentow/praktyki-i-staz The list of cathedral tutors of student internships is available at: https://chem.pg.edu.pl/documents/614792/0d715aad-4b62-47cf-acce-a9005782525d OHS instructions, technology and other materials provided by the facility hosting the apprentice.
Supplementary literature	No requirements
eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	1. Getting to know the workplace: - Location, - Organizational and production structure of the workplace. - Technologies used, raw materials used, origin of raw materials, preparation of raw materials, - apparatus, 2. Getting to know the work of a production shift in one of the departments: - Production conditions in the department, - Knowing the documentation. 3. Getting to know the organization of the technological department (chief technologist): - Responsibility of the chief technologist and technologists, - Technological issues, - Documentation. 4. Problem solving according to the recommendations of the in-house internship tutor. 5. Presentation of the task that the trainee will be able to perform independently during the internship. 6. Selected issues related to materials management, production control, health and safety rules, environmental management. 7. Getting to know the issues of automation, process control and work organization in the plant. 8. Familiarization with projects implemented by the company (in particular with projects financed from EU funds). 9. Getting to know the company's marketing activities.
Work placement	Not applicable