



COURSE DESCRIPTION CARD - SYLLABUS

Course name

Seminarium dyplomowe (Diploma seminar)

		Course
Field of study		Year/Semester
Technologia Chemiczna (Chemical Technology)		II/4
Area of study (specialization)		Profile of study
Technologia chemiczna ogólna (General Chemical Technology)		general academic
Level of study		Course offered in
Second-cycle studies		Polish
Form of study		Requirements
part-time		compulsory

		Number of hours
Lecture	Laboratory classes	Other (e.g. online)
0	0	0
Tutorials	Projects/seminars	
0	20	
Number of credit points		
2		

Lecturers	
Responsible for the course/lecturer: D. Sc. Filip Ciesielczyk	Responsible for the course/lecturer:
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Berdychowo 4, PL-60965 Poznan	

Prerequisites

Structured knowledge covering the curriculum of the first degree studies in the field of Chemical Technology. The ability to solve elementary problems based on knowledge and the ability to obtain information from specified sources in Polish and a foreign language. Understanding the need for further education, understanding the need to expand their competences, readiness to cooperate within a team.

Course objective

The aim is to familiarize students with the requirements and standards of preparing a Master's degree



diploma. Monitoring progress in the implementation of the diploma thesis. Discussing problems arising during the implementation of this task.

Course-related learning outcomes

Knowledge

K_W2 - has expanded and in-depth knowledge in chemistry and other related areas of science, allowing to formulate and solve complex tasks related to chemical technology

K_W3 - has knowledge of complex chemical processes, including the appropriate selection of materials, raw materials, methods, techniques, apparatus and equipment for carrying out chemical processes and characterizing the products obtained

K_W6 - has expanded knowledge of the latest chemical and material technologies, including advanced materials and nanomaterials technologies, knows current trends in the development of chemical industrial processes

K_W7 - knows modern methods of testing the structure and properties of materials, necessary to characterize raw materials and products of the chemical and related industries

K_W8 - has expanded knowledge of environmental problems related to the implementation of chemical processes

K_W11 - has a well-established and expanded knowledge of the selected specialty

K_W14 - has knowledge of selected issues of modern chemical knowledge and aspects of copyright and industrial property

Skills

K_U1 - has the ability to obtain and critically evaluate information from literature, databases and other sources, and formulate opinions and reports on this basis

K_U2 - has the ability to work in a team and lead a team

K_U5 - can independently determine the directions of further education and implement self-education

K_U11 - is able to properly verify the concepts of engineering solutions in relation to the state of knowledge in technology and chemical engineering

K_U12 - has the ability to adapt knowledge of chemistry and related fields to solve problems in the field of chemical technology and planning new industrial processes

K_U15 - can critically analyze industrial chemical processes and introduce modifications and improvements in this area, using the acquired knowledge, including knowledge about the latest achievements of science and technology

K_U16 - has the ability to assess the technological suitability of raw materials and the selection of the technological process in relation to the quality requirements of the product



K_U23 - has the ability to use the knowledge acquired under the specialty in professional activity

Social competences

K_K1 - is aware of the need for lifelong learning and professional development

K_K2 - is aware of the limitations of science and technology related to chemical technology, including environmental protection

K_K4 - observes all rules of teamwork; is aware of the responsibility for joint ventures and achievements in professional work

K_K6 - can think and act in a creative and entrepreneurial way

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Presentations (two) regarding the basics of the thesis being carried out and the results obtained during its realization. Criteria: form of presentation, self-presentation skills, active participation in discussions and answers to asked questions.

Programme content

1. Introduction - thesis layout - the most common formal and substantive errors.
2. Anti-plagiarism - an overview of the system's functioning and related guidelines.
3. Possibilities of searching for information in the scope of the diploma thesis, the method of using the source materials and their presentation in the thesis.
4. Assessment of the method of transferring acquired knowledge, preparing presentation of results.

Teaching methods

Seminar - multimedia presentations, group discussion

Bibliography

Basic

Indicated by the Master's degree thesis supervisor.

Additional

Indicated by the Master's degree thesis supervisor.



Breakdown of average student's workload

	Hours	ECTS
Total workload	50	2,0
Classes requiring direct contact with the teacher	25	1,0
Student's own work (literature studies, preparation for laboratory classes/tutorials, preparation for tests/exam, project preparation) ¹	25	1,0

¹ delete or add other activities as appropriate