COURSE DESCRIPTION CARD - SYLLABUS

## Course name

Seminarium dyplomowe (Diploma seminar)

|  | Course |
| :--- | :--- |
| Field of study | Year/Semester |
| Technologia chemiczna (Chemical Technology) | IV/7 |
| Area of study (specialization) | Profile of study |
| - | general academic |
| Level of study | Course offered in |
| First-cycle studies | Polish |
| Form of study | Requirements |
| full-time | compulsory |


|  |  | Number of hours |
| :--- | :--- | :--- |
| Lecture | Laboratory classes | Other (e.g. online) |
| 0 | 0 | 0 |
| Tutorials | Projects/seminars |  |
| 0 | 15 |  |
| Number of credit points |  |  |

Lecturers

## Responsible for the course/lecturer:

Responsible for the course/lecturer:
Professor Teofil Jesionowski
e-mail: Teofil.Jesionowski@put.poznan.pl
telephone 61 665-37-20
Faculty of Chemical Technology
Institiute of Chemical Technology and
Engineering
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 an engineering diploma thesis. Monitoring progress in the implementation of the diploma thesis. Discussing problems
arising during the implementation of this task. The ability to present the results and confront them with the current state of knowledge.

## Course-related learning outcomes

## Knowledge

K_W03 - has the necessary knowledge in chemistry and chemical technology in the field enabling understanding of chemical phenomena and processes

K_W08 - has a systematically and theoretically founded general knowledge in the field of general and inorganic chemistry, organic, physical and analytical chemistry, chemical technology and engineering

K_W09 - has the necessary knowledge about both natural and synthetic raw materials, products and processes used in chemical technology, as well as about the directions of development of the chemical industry in the country and in the world

K_W11 - has the necessary knowledge in the field of techniques and methods for characterizing and identifying chemical substances

K_W13 - has knowledge in the field of technology and chemical engineering, machine science and apparatus of the chemical industry

## Skills

K_U01 - can obtain the necessary information from literature, databases and other sources related to chemical sciences, correctly interprets them, draws conclusions, formulates and justifies opinions

K_U02 - can work both individually and as a team in a professional and other environment
K_U04 - can prepare and present in Polish an oral presentation cocnerning chemical technology
K_U05 - has the ability to self-study
K_U14 - is able to assess the usefulness of routine methods and techniques appropriate to solve practical engineering tasks in chemical technology, can also choose and apply the appropriate method and technique

K_U16 - based on general knowledge, explains the basic phenomena associated with significant processes in chemical technology

K_U17-uses correct chemical terminology and nomenclature of chemical compounds, also in English
K_U18-distinguishes between types of chemical reactions and has the ability to select them for chemical processes

K_U22 - determines the physical and chemical, mechanical and thermal properties of chemical compounds and materials

K_U25 - assesses the risks associated with the use of chemical products and processes

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)

K_U33 - solves simple engineering tasks related to the implementation of unit processes and operations in chemical technology

## Social competences

K_K01 - understands the need for further training and raising their professional, personal and social competences

K_K02 - is aware of the importance and understanding of non-technical aspects and effects of engineering activities, including their impact on the environment and the associated responsibility for decisions made

K_K03 - is able to cooperate and work in a group, inspire and integrate engineering environments

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 or e-learning, group discussion

Bibliography
Basic
Indicated by the engineering thesis supervisor.
Additional
Indicated by the engineering thesis supervisor.

EUROPEAN CREDIT TRANSFER AND ACCUMULATION SYSTEM (ECTS)
pl. M. Skłodowskiej-Curie 5, 60-965 Poznań

Breakdown of average student's workload

|  | Hours | ECTS |
| :--- | :--- | :--- |
| Total workload | 45 | 2,0 |
| Classes requiring direct contact with the teacher | 25 | 1,1 |
| Student's own work (literature studies, preparation for <br> laboratory classes/tutorials, preparation for tests/exam, project <br> preparation) | 20 | 0,9 |

[^0]
[^0]:    ${ }^{1}$ delete or add other activities as appropriate

