POZNAN UNIVERSITY OF TECHNOLOGY

COURSE DESCRIPTION CARD - SYLLABUS

Course name
Intership 4 weeks [S1IChiP1>PZ2]

Course

Field of study	Year/Semester
Chemical and Process Engineering	3/6
Area of study (specialization)	Profile of study
–	general academic
Level of study	Course offered in
first-cycle	polish
Form of study	Requirements
full-time	compulsory

Number of hours

Lecture	Laboratory classes	Other (e.g. online)
0	0	160
Tutorials	Projects/seminars	
0	0	

Number of credit points

5,00

Coordinators	Lecturers
dr hab. Justyna Werner justyna.werner@put.poznan.pl	

Prerequisites

The student has ordered, theoretically founded knowledge of key issues in the field of chemical and process engineering. Is able to obtain information from the indicated sources, correctly interprets them and draws conclusions.

Course objective

Familiarization with chemical and process engineering solutions used in various workplaces. Preparation for work in the chemical and related industries, design offices, and scientific and research institutions.

Course-related learning outcomes

Knowledge:
1. knows the principles of construction, operation and selection of devices, reactors and apparatus used in chemical technology - [k_w12]
2. has knowledge in the field of chemical technology and engineering, machine science and apparatus of the chemical industry - [k_w13]
3. knows the basic methods, techniques, tools and materials used to solve simple tasks in the field of chemical technology and engineering - [k_w15]

Skills:
1. is able to conduct a critical analysis of the functioning method and assess existing solutions in chemical and process engineering, in particular devices, apparatus, systems and processes - [k_u12]
2. based on general knowledge, explains the basic phenomena associated with relevant processes in chemical and process engineering - [k_u16]

Social competences:
1. is able to properly set priorities for the implementation of the task - [k_k04]
2. he correctly recognizes the problems and makes the right choices related to the exercise of the profession, in accordance with the principles of professional ethics - [k_k05]
3. is aware of the social role of a technical university graduate, and in particular understands the need for formulation and transfer to the public, in particular through the mass media, information and opinions on the achievements of science and other aspects of engineering activities; makes efforts to convey such information and opinions in a commonly understandable way - [k_k07]

Methods for verifying learning outcomes and assessment criteria

Learning outcomes presented above are verified as follows:

Learning outcomes presented above are verified as follows:
The credit on the basis of the certificate of internship, report on the internship and completed survey.

Programme content

The workplace or design office as a place of future professional activity.
Understanding the issues of chemical and process engineering used in the plant, design office.
Detailed familiarization with unit processes and operations selected by the plant.
Solving tasks in a position indicated by the workplace or design office.
Activities of the plant and design office in the field of applying solutions in chemical and process engineering aspects.
Acquiring skills in the practical basics of designing technological and engineering processes.

Teaching methods

Practical classes in the workplace

Bibliography

Basic
Information materials provided by the company
Additional
Documents, instructions in force in the workplace - the place of the internship

Breakdown of average student's workload

	Hours	ECTS
Total workload	160	5,00
Classes requiring direct contact with the teacher	0	0,00
Student's own work (literature studies, preparation for laboratory classes/ tutorials, preparation for tests/exam, project preparation)	160	5,00