

Attachment no. 4. to the Program of Studies

FACULTY of Chemistry

SUBJECT CARD

Name of subject in Polish: Trendy w inżynierii i technologii chemicznej
Name of subject in English: Trends in Chemical Engineering and Technology
Main field of study (if applicable): Chemical Engineering and Technology
Specialization (if applicable):
Profile: academic
Level and form of studies: 2nd level, full-time
Kind of subject: obligatory
Subject code: W03CET-SM2004W
Group of courses: NO

	Lecture	Classes	Laboratory	Project	Seminar
Number of hours of organized classes in University (ZZU)	30				
Number of hours of total student workload (CNPS)	50				
Form of crediting (Examination / crediting with grade)	Zaliczenie na ocenę				
For group of courses mark (X) final course					
Number of ECTS points	2				
including number of ECTS points for practical classes (P)					
including number of ECTS points corresponding to classes that require direct participation of lecturers and other academics (BU)	1,2				

*delete as not necessary

PREREQUISITES RELATING TO KNOWLEDGE, SKILLS AND OTHER COMPETENCES

n/a

SUBJECT OBJECTIVES

C1 To familiarize the student with the latest trends and achievements in chemical engineering and technology

SUBJECT EDUCATIONAL EFFECTS

In relation to knowledge:

PEU_W01 – has in-depth knowledge of development trends and new achievements in the field of chemical engineering and technology and related sciences

PEU_W02 – has in-depth knowledge of the latest materials, apparatus and devices used in chemical processes at various scales

In relation to social competences:
 PEU_K01 – is ready to critically evaluate the knowledge acquired and the content received
 PEU_K02 – is aware of the role of a technical university graduate and the need to maintain the ethos of the engineering profession

PROGRAMME CONTENT		
Lecture		Number of hours
Wy1-W7	A collection of current topics reflecting the diversity of contemporary trends in chemical engineering. Presenting the latest scientific achievements in the field of chemical engineering.	14
Wy8-Wy14	A collection of current topics reflecting the diversity of contemporary trends in chemical technology. Presenting the latest scientific achievements in the field of chemical technology.	14
Wy15	Summary lecture with discussion.	2
	Total hours	30
TEACHING TOOLS USED		
N1. Presentation		
N2. Discussion		

EVALUATION OF SUBJECT LEARNING OUTCOMES ACHIEVEMENT

Evaluation (F – forming during semester), P – concluding (at semester end)	Learning outcomes code	Way of evaluating learning outcomes achievement
P	PEU_W01- PEU_W02 PEU_K01- PEU_K02	Writing test (to pass minimum 50% of points)

PRIMARY AND SECONDARY LITERATURE
[1] Presentations
[2] Supporting literature provided during classes by the teachers
SUBJECT SUPERVISOR (NAME AND SURNAME, E-MAIL ADDRESS)
heads of specialties: Advanced chemical engineering, Advanced chemical technology