

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