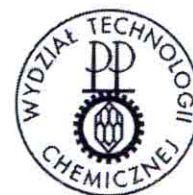




POLITECHNIKA POZNAŃSKA



WYDZIAŁ TECHNOLOGII CHEMICZNEJ

Dziekanat

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**Plan studiów i punkty ECTS dla kierunku TECHNOLOGIA CHEMICZNA,  
studia stacjonarne II stopnia  
zatwierdzone 24.10.2017  
obowiązujące od roku akademickiego 2017/2018**

Composites and Nanomaterials

Semestr 1 <i>summer semester</i>	Liczba godzin	ECTS
Engineering of chemical reactors (1W+1P)	30	3
Modeling and simulation (1W+1P)	30	2
Selected aspects of modern chemistry (1W+2L)	45	2
Polymers and polymer composites (1W+1L)	30	3
Applied reology (1W+2L)	45	2
<b>Processing of polymeric materials (2W+3L) E</b>	75	4
<b>Nanocarbons and carbon/polymer composites (1W+1P+3L) E</b>	75	5
<b>Surface phenomena and catalysis (2W) E</b>	30	4
Diploma Training (4 weeks)	0	5

<b>Semestr 2</b> <i>winter semester</i>	<b>Liczba godzin</b>	<b>ECTS</b>
<b>Engineering of nanoporous materials ( 1W+2L) E</b>	45	4
<b>Introduction to biotechnology (2W+2L) E</b>	60	5
Environmental protection and green chemistry (1W)	15	2
<b>Polymers and polymer composites (1W+1L) E</b>	30	3
<b>Advanced materials for generation/storage of energy (2W+1P+3L) E</b>	90	6
Hybrid materials and fillers (1W+2L)	45	3
Characterization techniques of materials (1W+1C+1L)	45	3
Biomaterials (1W+1L)	30	3
Eligible subject (1W)	15	1
Physical Education (1C)+B156	15	0

<b>Semestr 3</b> <i>summer semester</i>	<b>Liczba godzin</b>	<b>ECTS</b>
Technological project (3P)	45	2
Recycling of materials (1W)	15	2
Staff Management (1W)	15	2
History of Chemical Science and Industry (2W)	30	3
Diploma laboratory (12L)	180	18
Diploma seminar (2P)	30	3