

STUDIA II LEVEL, MAGISTERSKIE (3 sem)**DIRECTION: CHEMISTRY**Specialty: **Medicinal Chemistry** (Prof. R. Gancarz)**Electives II:**

Selected reactions in organic chemistry 2 w (2 ECTS)

Principles of physiological chemistry 2w (2ECTS)

Self-organization in chemistry 2w (2ECTS)

Combinatorial chemistry 2w (2 ECTS)

Sem.	I	II	III
Godz.	25h/ 30 ECTS / 3E	24h / 30 ECTS / 3E	23h / 30 ECTS
26			
25	Electives II 2w (2 ECTS)		
24		Principles of business 2w (3 ECTS)	
23	Physical organic chemistry 1w (2 ECTS)		Quality management systems 1w (1 ECTS)
22	Introductory statistics 1c (1 ECTS)	Retrieval scientific information 11 (1 ECTS)	Polymers in medicine 1w (2 ECTS)
21	Crystallography E	Rational drug design 2w (3 ECTS)	Multistep organic synthesis 21 (2 ECTS)
20	2w +1c (3 +2) ECTS		
19		Molecular modeling E	Inorganic drugs 2w (2 ECTS)
18	Spectroscopy E	1w +2l (2 +2) ECTS	Philosophy of science and technology 1w (2ECTS)
17	2w +2l (2 +2) ECTS		
16		Instrumental drug analysis 1w +2l (2 +2) ECTS	Mathematical methods in design and analysis of experiment 1w (1 ECTS)
15			Graduate laboratory II 14l (10 ECTS)
14	Analytical methods in drug design and technology	Medicinal natural products E	
13	1w +4l (2 +4) ECTS	1w +2l (2 +2) ECTS	
12			
11			
10		Synthetic organic drugs E	
9	Theoretical chemistry E	2w +4l (3 +4) ECTS	
8	2w +1c+ 2l (4 +1+ 2) ECTS		
7			
6			
5			
4	Foreign language II	Graduate laboratory I	
3	3c (2 ECTS)	4l (4 ECTS)	
2			
1	Foreign language I 1c (1 ECTS)		Graduate seminar and thesis preparation 1s (10 ECTS)
Sem.	I	II	III

Allowable deficit of ECTS credits after each semester **15** credits