

Plan of II level studies CHEMISTRY

II LEVEL STUDY, MASTER PROGRAMME

FIELD OF STUDY: CHEMISTRY

Medicinal Chemistry

Elective courses:

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)

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

Allowable deficit of ECTS credits after each semester 15 credits