

Faculty of Chemistry NCU

Erasmus+ teaching offer for the academic year 2019/2020

BSc level

Winter semester

	Course	Type	ECTS credits
1	Physical chemistry I (Thermodynamics)	Lecture 15 Laboratory 45 Practice 15	8
2	Environmental Chemistry and Ecology	Lecture 15 Laboratory 45 Practice 15	7
3	Instrumental analysis	Lecture 30 Laboratory 75	8
4	English in chemistry	Practice 30	3
5	Cosmetic raw materials	Lecture 25 Laboratory 50	6
6	Fundamentals of cosmetic chemistry	Lecture 30	2
7	Applied electrochemistry	Lecture 30	2
	Students should choose no more than 30 ECTS credits		

Summer semester

	Course	Type	ECTS credits
1	Physical chemistry II (Kinetics and Electrochemistry)	Lecture 15 Laboratory 45 Practice 15	8
2	Organic chemistry	Lecture 30 Laboratory 105 Practice 15	12
3	From cosmochemistry to novel inorganic materials	Lecture 25 Laboratory 35 Practice 15	6
4	Nanomaterials and nanostructures	Lecture 30 Laboratory 45	6
5	Environmental chemistry	Lecture 15 Laboratory 45 Practice 15	6
6	Polymer synthesis and processing	Lecture 30	2
	Students should choose no more than 30 ECTS credits		

MSc level

Winter semester

	Course	Type	ECTS credits
1	Physical chemistry of polymers	Lecture 30 Laboratory 30	6
2	Nanochemistry	Lecture 30 Laboratory 30	6
3	Advanced instrumental analysis	Lecture 30 Laboratory 30	6
4	Solid and surface chemistry	Lecture 30 Laboratory 30	6
5	Organometallic and bioinorganic materials	Laboratory 60	6
6	Pharmaceutical and cosmetic materials	Lecture 30 Laboratory 30	6
7	Research project and seminar (upon an arrangement with the research group supervisor, students can participate in the research project)	Research project laboratory 60-120 hours (3-6 ECTS)	
Students should choose no more than 30 ECTS credits			

Summer semester

	Course	Type	ECTS credits
1	Organic physical chemistry	Lecture 30	2
2	Natural and synthetic organic materials	Lecture 30 Laboratory 30	6
3	Chemical technology	Lecture 30 Laboratory 30	6
4	Membrane processes in chemical technology	Lecture 30 Laboratory 30	6
5	Separation techniques	Lecture 30 Laboratory 30	6
6	Adsorbents and catalysis	Lecture 30 Laboratory 30	6
7	Research project and seminar (upon an arrangement with the research group supervisor, students can participate in the research project)	Research project laboratory 60-120 hours (3-6 ECTS)	
Students should choose no more than 30 ECTS credits			