

Chemistry courses taught in English

Sem. Title	Course Type	Hours per week	ECTS Credits
WS Polymeric Materials 1	Lecture	3	4,00
WS Exercises Spectroscopy and Structure Elucidation II	Tutorial	1	1,60
WS Spectroscopy and Structure Elucidation II	Lecture	1	1,30
WS Advanced NMR 1	Lecture	1	1,30
WS Organic Chemistry III (Natural Products)	Lecture	2	2,60
WS Stereochemistry	Lecture	2	2,60
WS Physical Chemistry of Macromolecules	Lecture	3	3,90
WS Polymer Chemistry 2	Lecture	2	2,60
WS Bionics - biomimetic Materials and Polymers	Lecture	1	1,30
WS Dendritic and hyperbranched polymers	Lecture	1	1,30
WS Molecularly Imprinted Polymers	Lecture	1	1,30
WS Synthesis and Characterisation of Polymer Products	Lecture	1	1,30
WS Photochemistry	Lecture	2	2,60
WS Seminar in Biophysical Chemistry	Seminar	1	1,60
WS Introduction to the Analytical Laboratory	Lecture	1	1,30
WS Instrumental Analysis	Lecture	2	2,60
WS Bachelor Seminar Biological Chemistry JKU (incl. Bachelor Thesis)	Seminar	1	5,80
WS Chemical Calculations	Combined Course	2	3,20
WS Introduction I to General Chemistry	Lecture	1	1,30
WS General and Inorganic Chemistry 1	Lecture	4	5,20
WS Physics for Biological Chemistry 1	Combined Course	1	1,60
WS Exercises in Mathematics for Chemists 1	Tutorial	2	3,20
WS Mathematics for Chemists 1	Lecture	2	2,60
WS Exercises in Physical Chemistry 1	Tutorial	1	1,60
WS Physical Chemistry 1	Lecture	4	5,20
WS Practical Course in General Chemistry	Practical Course	4	4,80
WS General and Inorganic Chemistry I	Lecture	4	5,20
WS Laboratory Course of Organic Chemistry I	Practical Course	7	8,40
WS Physical Chemistry I	Lecture	4	5,20
WS Industrial Biotechnology	Lecture	2	2,60
WS Advanced works seminar	Seminar	2	3,00
WS Seminar in Computational Biology	Seminar	1	1,60
SS Characterization and Testing of Polymeric Materials 1	Lecture	2	2,50
SS Physical and theoretical Chemistry	Lecture	2	2,60
SS Chemical Interactions in Polymers	Lecture	1	1,30
SS Polymerization Techniques	Lecture	2	2,60

WS = Winter Semester (October - January), SS = Summer Semester (March - June)

Sem. Title	Course Type	Hours per week	ECTS Credits
SS Bionics - biomimetic Materials and Polymers	Lecture	1	1,30
SS Dendritic and hyperbranched polymers	Lecture	1	1,30
SS Functional Polymers	Lecture	1	1,30
SS Molecularly Imprinted Polymers	Lecture	1	1,30
SS Physics and Chemistry of Organic Semiconductors	Lecture	2	2,60
SS Science and Technology of Organic Semiconductors	Seminar	1	1,60
SS Technical Biopolymers	Lecture	1	1,30
SS Biochemical Technologies	Lecture	1	1,30
SS Preparative Chemistry Laboratory for Biological Chemists	Practical Course	5	6,00
SS Advanced NMR 2	Combined Course	1	0,00
SS Advanced NMR 2	Combined Course	1	1,60
SS Seminar in Computational Biology	Seminar	1	1,60
SS Current Topics in Structural Biochemistry	Lecture	1	1,30
SS Protein Science	Lecture	1	1,30
SS Proseminar to VO Organic Chemistry I	Proseminar	2	3,20
SS Seminar on NMR-spectroscopy	Seminar	1	1,60
SS Bioorganic Chemistry	Seminar	1	1,60
SS Physical Organic Chemistry Seminar	Seminar	1	1,60
SS Synthesis and Characterisation of Polymer Products	Lecture	1	1,30
SS Laboratory of Instrumental Analysis	Practical Course	2	2,40
SS Analytical Chemistry 1	Lecture	3	3,90
SS Bachelor Seminar Biological Chemistry JKU	Seminar	1	5,80
SS Exercises in Mathematics for Chemists 2	Tutorial	2	3,20
SS Exercises in Physics for Biological Chemistry	Tutorial	1	1,60
SS Mathematics for Chemists 2	Lecture	2	2,60
SS Physics for Biological Chemistry 2	Lecture	2	2,60
SS Organic Chemistry 1	Lecture	4	5,20
SS Bioinformatics II: theoretical Bioinformatics and machine learning	Tutorial	2	3,00
SS Bioinformatics II: theoretical Bioinformatics and machine learning	Lecture	4	6,00
SS Bioinformatics III: structural Bioinformatics and gene analysis	Combined Course	2	3,00
SS Introduction to R with applications to bioinformatics	Combined Course	2	3,00
SS Special Topics on Bioinformatics	Combined Course	2	3,00
SS Laboratory Course of Analytical Chemistry I	Practical Course	7	8,40
SS Exercises in Physical Chemistry II	Tutorial	1	1,60
SS Exercises in Physical Chemistry II	Tutorial	1	1,60
SS Physical Chemistry II	Lecture	2	2,60
SS Biochemistry	Lecture	2	2,60

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