

List of Courses Taught in English

**Department of Biosciences
Academic Year 2020/21**

Bachelor Biology

Winter Semester 2020/21

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
630.108	W	Introduction in Immunology	1	L	1,5	Duschl, Horejs-Höck	German, English
630.109	W	Biophysical Chemistry	1	L	1,5	Cabrele	German, English

Summer Semester 2021

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
630.261	S	Cell based Assays	4	UV	6	Tenhaken, Marozin, Simon-Nobbe, Weiss, Affenzeller	German, English

Bachelor Molecular Biosciences

Winter Semester 2020/21

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
665.022	W	Presentation of Current Topics in Molecular and Cellular Biology	3	PS	4	Pintaric, Plätzer	English, German

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
665.022	S	Presentation of Current Topics in Molecular and Cellular Biology	3	PS	4	Himly, Pintaric, Plätzer, Elmer, Friedrich	English, German
665.064	S	Methods in Cell Biology	4	P	4	Breitenbach-Koller, Karl, Bresgen, Mehmer, Friedrich, Dall, Schönauer, Wolff, Hauser	English, German

Master Medical Biology

Winter Semester 2020/21

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
231.103	W	Biomedicine (Tumor Immunology)	4	UV	6	Aberger, Geisberger, Horejs-Höck, Elmer	English
231.105	W	Biomedicine (Next Generation Sequencing)	4	UV	6	Zaborsky, Risch, Fortelny	English
231.106	W	Cell Biology and Pathophysiology (Infection Biology)	4	UV	6	Weßler, Posselt, Bernegger	English
231.107	W	Biomedicine (Epigenetics of Cancer)	4	UV	6	Risch, Wolff, Heißl	English
231.110	W	Biomedical Data - From Molecules to Diseases	1	L	1,5	Lackner	English

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231.111	W	Hands-on Biomedical Data - Resources and Analysis Tools	3	P	4,5	Lackner, Wiederstein	English
231.112	W	Training Lab I	4	P	6	Multiple lecturers, click link to course for more information.	German, English
231.120	W	Advanced Structural & Molecular Applications in Medical Research	1	SE	1,5	Brandstetter, Cabrele	German, English
231.121	W	Lab Course on Chemical & Structural Biology	2	P	3	Schubert, Dall, Schönauer	German, English
231.127	W	Research Practical: Genetics and Biotechnology (A)	4	PR	6	Brandstetter, Cabrele, Ferreira-Briza, Huber, Stutz	German, English
231.134	W	Stem Cells in Regenerative Medicine	1	L	1,5	Traweger	English
231.136	W	Structure & Function of Proteins and Medical Applications	1	L	1,5	Cabrele, Brandstetter, Schubert	German, English
231.138	W	Cancer Genetics I	2	P	3	Geisberger, Zaborsky	English
231.211	W	Advanced Cell Biology (Advanced Cell Biology in Biomedicine)	1	L	1,5	Bresgen, Lepperdinger, Marozin, Simon-Nobbe	English
231.212	W	Advanced Cell Biology (Advanced Methods in Cell Biology)	2	UV	3	Marozin, Simon-Nobbe	English
231.213	W	Advanced Cell Biology (Current Topics in Cell Biology and Applications in Biomedicine)	1	SE	1,5	Lepperdinger, Dunlop, Posselt	English

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231.222	W	Anatomy and Histology (Lab Course in Human and Mammalian Histology)	3	P	4,5	Stoiber, Steinbacher, Jakob, Karl	English
231.231	W	Medical Physiology	2	L	3	Galler	English
231.232	W	Medical Physiology (Endocrinology and Neurobiology)	1	L	1,5	Kerschbaum, Weiger	German, English
231.233	W	Medical Physiology (Lab Course in Medical Physiology)	1	P	1,5	Weiger, Minnich, Karl	English

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
231.100	S	Molecular and Cellular Immunology	2	L	3	Horejs-Höck, Weiss	English, German
231.101	S	Lab Course in Immunobiochemistry	2	P	3	Weiss, Horejs-Höck, Aglas, Korotchenko	English, German
231.108	S	Cell Biology and Pathophysiology (Clinical Chemistry and Forensic Diagnostics)	4	UV	6	Huber, Stutz, Karl, Regl	English, German
231.109	S	Molecular Diagnostics and Clinical Chemistry (Medical Technologies)	4	UV	6	Oostingh, Karl	English, German
231.113	S	Training Lab II	4	P	6	Multiple lecturers, click link to course for more information.	English, German
231.118	S	Good Laboratory Practice and Ethical Conduct	1	L	1,5	Gadermaier	English, German

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231.122	S	Nanomaterials - Risks and Medical Applications	1	L	1,5	Duschl, Himly	English, German
231.123	S	Lab Course on Nanomaterials	2	P	3	Himly, Weiss, Geppert	English, German
231.124	S	Nanomedical Applications	1	SE	1,5	Duschl, Himly, Geppert	English, German
231.125	S	Molecular Biology of Cancer	2	L	3	Aberger, Risch	English
231.126	S	Oncogenic Signaling and (Epi)genetics of Cancer	2	UV	3	Aberger, Wiederstein, Wolff, Risch	English
231.137	S	Angewandte Humangenetik	1	L	1,5	Bader	English, German
231.139	S	Scientific Writing and Presentation Skills	2	SE	3	Gadermaier, Gratz	English, German
231.140	S	Job Applications and Interviews	1	SE	1,5	Gadermaier, Gratz, Aberger, Huber	English, German
231.141	S	Cancer Genetics II	2	P	3	Geisberger, Zaborsky	English
231.241	S	Regenerative Biology and Ageing (Introduction to Regenerative and Stem Cell Biology)	2	L	3	Lepperdinger, Aigner	English
231.242	S	Regenerative Biology and Ageing (Advanced Cell Culture, Tissue Engineering and Cellular Ageing)	2	P	3	Lepperdinger, Marozin, Simon- Nobbe	English
231.281	S	Cellular and physiological Neurobiology and Neuropathology	4	UV	6	Kerschbaum, Weiger, Bernatzky, Aigner, Couillard-Despres	English

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Master Molecular Biosciences

Winter Semester 2020/21

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
865.M21	W	Proteomics and Systems Biology	2	UV	3	Fortelny, Himly, Huber, Regl	English
865.M23	W	Statistics	2	L	3	Stutz	English
865.M41	W	Big Data Management	1	L	1,5	Fortelny	English
865.M61	W	Statistics in molecular cell biology	4	UV	6	Bresgen, Stutz	English

Summer Semester 2021

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
865.M52	S	Practical Training in Molecular Biology Research II	6	P	9	Multiple lecturers, click link to course for more information	German, English
865.M63	S	Structural and functional analysis of proteins	4	UV	6	Huber, Brandstetter, Dall, Regl	German, English
865.M71	S	Master's Thesis Seminar in Molecular Biology	1	SE	1	Multiple lecturers, click link to course for more information	German, English

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Master Ecology & Evolution

Winter Semester 2020/21

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
230.200	W	Evolutionary Development and Morphology	4	UV	6	Steinbacher, Stoiber, Pittner	English
230.300	W	Theoretical Ecology	2	VU	3	Wickham, Fuchs	English
230.301	W	Evolutionary theory, Biosystematics und Biogeography	2	VU	3	Agatha, Comes, Hörger, Tribsch	English
230.306	W	Animal Evolution	4	UV	6	Eberle	English
230.312	W	Field Course: Ecology and Diversity of tropical habitats	6	EX	6	Dötterl, Etl, Tribsch	English
230.316	W	Applied Evolutionary Biology, Biotechnology	4	UV	6	Tenhaken, Hörger, Tribsch, Affenzeller	English
230.317	W	Master module: Molecular Co-evolution – Symbiotic vs. antagonistic processes	4	UV	6	Hörger, Affenzeller, Ruprecht	English
230.326	W	Community Ecology and Global Change	4	UV	6	Petermann	English
230.340	W	Masterthesis Seminar	1	SE	1	Multiple lecturers, click link to course for more information.	English

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
230.302	S	Biodiversity and Evolutionary theory	1	SE	1	Agatha, Comes, Hörger, Tribsch	English
230.303	S	Experimental design and statistics	2	UV	3	Petermann, Eberle	English
230.304	S	GIS and spatial simulation	2	UV	2	Wallentin	English
230.305	S	Biodiversity and Evolution of Plants	4	UV	6	Comes, Affenzeller, Tribsch	English
230.307	S	Experimental Ecology of Animals	4	UV	6	Berninger, Wickham, Agatha, Wanzenböck	English
230.308	S	Experimental Plant Ecology	4	UV	6	Dötterl, Gross	English
230.309	S	Ecology and Biodiversity of Temperate Environments : High Alpin Organisms	6	EX	6	Dötterl, Staudinger, Tribsch	English
230.314	S	Central Europe's Natural Ecosystems	2	EX	2	Tribsch	English
230.321	S	Applied Ecology and Nature Conservation	4	UV	6	Tribsch, Petermann, Nowotny, Maletzky	English
230.325	S	Terrestrial and marine ecology of the Mediterranean, Giglio, Italy	6	EX	6	Berninger, Wickham, Freund	English
230.341	S	Masterthesis Seminar	1	SE	1	Multiple lecturers, click link to course for more information.	English

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Doctorate / PhD Natural Science

Winter Semester 2020/21

Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.016	W	Chemical Approaches to Explore Protein Structure, Dynamics and Function I	2	PV	4	Cabrele	English
796.028	W	Current Topics in Epigenetics and Cancer Risk Factors I	2	PV	4	Risch	English
796.036	W	Advanced Protein, Proteome and Metabolome Analysis Techniques 1	4	P	4	Huber, Stutz, Reischl, Regl	German, English
796.040	W	Molecular Medicine	2	L	4	Caspari	German, English
796.042	W	Biophysics and Green Bioengineering I	2	PV	4	Obermeyer	English
796.046	W	Chancing Paradigms in Immunology	2	PV	4	Weiss	English
796.048	W	Bio-Nano & Medical Applications III	2	PV	4	Himly	German, English
796.051	W	The impact of nanoparticles on human health	2	SE	4	Duschl	English
796.055	W	Doctoral Seminar (Molecular Biology)	1	SE	2	Multiple lecturers, click link to course for more information	German, English
796.058	W	Molecular Mechanisms in Cancer	2	SE	4	Aberger	English, German

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796.084	W	Selectivity Principles in Separation Science (1)	2	PV	4	Reischl	German, English
796.300	W	Doctoral Seminar (Ecology and Evolution)	1	SE	2	Multiple lecturers, click link to course for more information	English
796.310	W	Current topics in the biosystematics of protists	2	PV	4	Agatha	English, German
796.313	W	Current topics in plant chemical ecology and plant-animal interactions	2	PV	4	Dötterl	English
796.315	W	Current topics in community ecology of animals	2	PV	4	Petermann	German, English
796.316	W	Current topics in molecular ecology and biogeography of plants	2	PV	4	Tribsch	English
796.317	W	Current topics in plankton ecology	2	PV	4	Wickham	English
796.326	W	Current topics in aquatic ecology: basic and applied aspects	2	PV	4	Berninger	English
796.613	W	Metabolism of sugars and nucleotide sugars in plants (I)	2	SE	4	Tenhaken	German, English
796.632	W	Charles Darwin: "The Origin of Species" ("One long argument" supporting the theory of evolution)	1	L	2	Pintaric	German, English

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Course No.	Sem.	Title	Duration	Type	ECTS Credits	Lecturer(s)	Language(s) of Instruction
796.017	S	Chemical Approaches to Explore Protein Structure, Dynamics and Function II	2	PV	4	Cabrele	English
796.029	S	Current Topics in Epigenetics and Cancer Risk Factors II	2	PV	4	Risch	English
796.037	S	Advanced Protein, Proteome and Metabolome Analysis Techniques 2	4	P	4	Huber, Regl, Reischl, Stutz	English, German
796.038	S	Bioinformatics Pipelines and Automation	2	P	4	Lackner, Wiederstein	English, German
796.042	S	Biophysics and Green Bioengineering II	2	PV	4	Obermeyer	English
796.047	S	Danger-Signals for the Immune System	2	PV	4	Weiss	English
796.049	S	Bio-Nano & Medical Applications IV	2	PV	4	Himly	English, German
796.052	S	Signal Transduction in the Immune System	2	PV	4	Duschl	English
796.056	S	Doctoral Seminar (Molecular Biology)	1	BS	2	Multiple lecturers, click link to course for more information	English, German
796.085	S	Selectivity Principles in Separation Science (2)	2	PV	4	Reischl	English, German
796.090	S	Seminar for Young Analytical Scientists	2	SE	3	Reischl	English, German

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796.301	S	Doctoral Seminar (Ecology and Evolution)	1	BS	2	Multiple lecturers, click link to course for more information	English
796.318	S	Current topics in the biosystematics of protists	2	PV	4	Agatha	English
796.320	S	Current topics in evolutionary and biosystematic research of plants	2	PV	4	Comes	English, German
796.321	S	Current topics in plant chemical ecology and plant-animal interactions	2	PV	4	Dötterl	English
796.323	S	Current topics in community ecology of animals	2	PV	4	Petermann	English, German
796.324	S	Current topics in molecular ecology and biogeography of plants	2	PV	4	Tribsch	English
796.325	S	Current topics in plancton ecology	2	PV	4	Wickham	English
796.327	S	Current topics in aquatic ecology: basic and applied aspects	2	PV	4	Berninger	English
796.623	S	Metabolism of sugars and nucleotide sugars in plants (II)	2	PV	4	Tenhaken	English, German
796.647	S	The Yin and Yang of Gender: discourse on gender in biology and society	2	L		Pintaric, Breitenbach-Koller	English, German