

Physics

Sem.	Title	Course Type	Hours per week	ECTS Credits	Language
WS	Computational Physics I	Lecture	2	3	E
WS	Computational Physics I	Tutorial	1	1,5	E
WS	Special Topics in Theoretical Physics	Lecture	2	3	E
WS	Materials Science	Lecture	2	3	E
WS	Selected Topics of Surface Science	Lecture	2	3	E
WS	Seminar Nanoscience and -technology	Seminar	2	3	E
WS	Seminar in Semiconductor Physics	Seminar	2	3	E
WS	Seminar in Solid State Physics	Seminar	2	3	E
WS	Selected Topics in Solid State Physics	Lecture	2	3	E
WS	Discussion of Recent Projects and Results in Solid State and Semicond. Ph.	Seminar	2	3	E
WS	Physics of Lowdimensional Systems	Lecture	3	4	E
WS	Characterization of Micro- and Nanostructures I	Lecture	2	3	E
WS	Characterization of Micro- and Nanostructures I	Tutorial	1	1,5	E
WS	Selected Topics in Semiconductor Physics	Lecture	2	3	E
WS	Research Seminar Solid State Physics	Doctoral C.	2	3	E
WS	Research Seminar Semiconductor Physics	Doctoral C.	2	3	E
WS	Exercises on Micro- and Nanostructures, Nanokomposites	Tutorial	1	1,5	E
WS	Laser Physics I	Lecture	2	3	E
WS	Laser Physics I	Tutorial	2	3	E
WS	Seminar on Applied Physics	Seminar	2	3	E
SS	Theoretical Physics II (Quantum Mechanics)	Lecture	4	8	G/E
SS	Theoretical Physics II (Quantum Mechanics)	Tutorial	2	3	G/E
SS	Theoretical Physics II (Quantum Mechanics)	Tutorial	2	3	E
SS	Theoretical Physics IV (Thermodynamics and Statistical Physics)	Lecture	3	6	E
SS	Theoretical Physics IV (Thermodynamics and Statistical Physics)	Tutorial	1	2	G/E
SS	Theoretical Physics for Physics Education III	Lecture	4	6	G/E
SS	Theoretical Physics for Physics Education III	Tutorial	1	2	G/E
SS	Mathematical Methods of Physics I	Tutorial	1	2	E
SS	Advanced Quantum Theory	Lecture	3	6	G/E
SS	Advanced Quantum Theory	Tutorial	1	2	G/E
SS	Computational Physics I	Lecture	2	5	G/E
SS	Computational Physics I	Tutorial	1	2	E
SS	Seminar Theoretical Physics	Seminar	2	3	G/E
SS	Special Topics in Theoretical Physics	Lecture	1	2	G/E
SS	Theory of Relativity	Lecture	3	5	E
SS	Physics with Mathematica	Lecture	1	2	E
SS	Discussion of New Topics in Atomic Physics and Surface Science	Seminar	2	3	G/E
SS	Electronics Laboratory	Practical C.	3	5	G/E
SS	Electronics Laboratory II	Practical C.	2	3	G/E
SS	Atomic Physics	Lecture	2	3	G/E
SS	Electronics Laboratory	Practical C.	3	5	G/E
SS	Characterization of Micro- and Nanostructures II	Lecture	2	3	G/E
SS	Atomic Physics and Surface Science Laboratory II	Practical C.	6	9	G/E
SS	Introduction to Surface Science I	Lecture	2	3	G/E
SS	Characterization of Micro- and Nanostructures	Tutorial	1	2	G/E

Sem.	Title	Course Type	Hours per week	ECTS Credits	Language
SS	Introduction to Surface Science I	Tutorial	2	3	G/E
SS	Practical Course in Radiation Physics	Practical C.	2	3	G/E
SS	Practical Course in Atom and Surface Physics	Practical C.	2	3	E
SS	New Developments on Topics of Soft Materials	Seminar	2	3	G/E
SS	Seminar Physics of Soft Materials	Seminar	2	3	G/E
SS	Lab Course II in Physics of Soft Materials	Practical C.	6	9	G/E
SS	Lab Course I in Physics of Soft Materials	Practical C.	2	3	G/E
SS	Molecular Biology of the Cell II	Lecture	2	3	G/E
SS	Biophysics II	Lecture	2	4	G/E
SS	Practical Course in Biophysics	Practical C.	4	6	G/E
SS	Biophysics IV	Lecture	2	3	G/E
SS	Biospecific Detection II	Lecture	2	3	G/E
SS	Biospecific Detection II (WV)	Tutorial	1	2	G/E
SS	Molecular Biology of the Cell II	Tutorial	1	2	G/E
SS	Practical Course Biochemistry II	Practical C.	2	3	G/E
SS	Biological Signalling II	Lecture	1	2	G/E
SS	Microscopy on Biomecules	Lecture	2	3	G/E
SS	Literature Seminar Biophysics	Seminar	2	3	G/E
SS	Biophysical Colloquium	Seminar	1	2	G/E
SS	Molecular Biology I	Lecture	2	3	G/E
SS	Practical Course in Molecular Biology I	Practical C.	2	3	G/E
SS	Advanced Practical Course in Biophysics	Practical C.	6	9	G/E
SS	Selected Issues on Theoretical Biophysics II	Lecture	2	3	G/E
SS	Theoretical Biophysics II	Tutorial	2	3	G/E
SS	Biophysics II	Tutorial	1	2	G/E
SS	Practical Course on Microscopy	Practical C.	2	3	G/E
SS	Genetics II	Lecture	1	2	G/E
SS	Cell Culture	Lecture	1	2	G/E
SS	Practical Course in Cell Culture	Practical C.	2	3	G/E
SS	Electron Microscopy	Lecture	2	3	G/E
SS	Scanning Electro Microscopy	Practical C.	1	2	G/E
SS	Semiconductor-Hetero-Quantum-Well-Structures	Lecture	2	3	E
SS	Advanced Practical Course	Practical C.	4	6	G/E
SS	Semiconductor Physics Laboratory II	Practical C.	6	9	G/E
SS	Production of Micro- and Nanostructures	Lecture	2	3	E
SS	Seminar in Solid State Physics	Seminar	2	3	G/E
SS	Selected Topics in Solid State Physics	Lecture	2	3	E
SS	Semiconductor Devices	Lecture	2	3	E
SS	Discussion of Recent Proj. and Results in Solid State and Semicond. Ph.	Seminar	2	3	E
SS	Practical Training in Nanotechnology II	Practical C.	6	9	G/E
SS	Introduction to Nanotechnology	Lecture	2	3	G/E
SS	Selected Topics in Semiconductor Physics	Lecture	2	3	E
SS	Introduction to Semiconductor Physics	Lecture	3	5	G/E
SS	Fundamentals of Semiconductor Physics	Tutorial	1	2	G/E
SS	Crystal Growth II	Lecture	2	3	E
SS	Solid State Spectroscopy I	Lecture	2	3	E
SS	Fundamentals of Physics Exercises IV	Tutorial	2	3	G/E
SS	Practical Course in Applied Physics	Practical C.	4	6	G/E

Sem.	Title	Course Type	Hours per week	ECTS Credits	Language
SS	Seminar on Novel Topics in Applied Physics	Seminar	2	3	G/E
SS	Applied Physics Tutorial for Diploma Students	Practical C.	2	3	G/E
SS	Modern Optics	Lecture	2	3	E
SS	Modern Optics Exercises	Tutorial	2	3	E
SS	Physics of Polymers	Lecture	2	3	G/E
SS	Exercises on Polymer Physics	Tutorial	1	2	G/E
SS	High Temperature Superconductors	Lecture	2	3	G/E
SS	Seminar on Applied Physics	Seminar	2	3	E
SS	Practical Course in Applied Physics	Practical C.	2	3	G/E