

Physics courses taught in English

Sem.	Title	Course Type	Hours per week	ECTS Credits
WS	Biophysics Laboratory	Practical Course	2	3,00
WS	Biophysics	Lecture	2	3,00
WS	Fundamentals of Physics I (Mechanics, Thermodynamics)	Tutorial	2	3,00
WS	Introduction to programming I	Practical Course	2	3,00
WS	Literature seminar in semiconductor und solid state physics	Seminar	2	6,00
WS	Literature seminar in surface and nano analytics	Seminar	2	3,00
WS	Research seminar in surface and nano analytics	Seminar	2	3,00
WS	Nanofabrication I	Practical Course	1	1,50
WS	Seminar in Nanoscience and -Technology	Seminar	2	3,00
WS	Nanofabrication I	Lecture	2	3,00
WS	Physics of low dimensional systems	Lecture	3	4,50
WS	Computational Physics I	Tutorial	1	1,50
WS	Thermodynamics and fundamentals of statistical Physics	Tutorial	1	1,50
WS	Computational Physics I	Lecture	2	3,00
WS	Laser physics	Tutorial	1	1,50
WS	Laser physics	Lecture	2	3,00
WS	Seminar in applied physics	Seminar	2	3,00
WS	Superconductivity and low temperature physics	Tutorial	1	1,50
WS	Special topics in atomic physics and surface science	Lecture	2	3,00
WS	Special topics in Applied Physics: Biosensing with metallic nanoparticles	Lecture	2	3,00
WS	Special topics in solid state physics	Lecture	2	3,00
WS	Special topics in soft matter physics	Lecture	2	3,00
WS	Seminar Chemical Technology of Inorganic Materials	Seminar	2	3,00
WS	Seminar on NMR-spectroscopy	Seminar	2	3,00
WS	Advanced Materials	Seminar	1	1,50
WS	Spectroelectrochemistry	Lecture	2	3,00
WS	Nanocomposites for Photovoltaics	Lecture	2	3,00
WS	Organic Electronics	Lecture	3	4,50
SS	Literature seminar in semiconductor und solid state physics	Seminar	2	3,00
SS	Research seminar in surface and nano analytics	Seminar	2	3,00
SS	Nanofabrication II	Practical Course	1	1,50
SS	Nanofabrication II	Lecture	2	3,00

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

Sem.	Title	Course Type	Hours per week	ECTS Credits
SS	Photonic	Tutorial	1	1,50
SS	Photonic	Lecture	2	3,00
SS	Physics of condensed matter	Tutorial	1	1,50
SS	Physics of condensed matter	Lecture	2	3,00
SS	Semiconductor physics	Tutorial	1	1,50
SS	Semiconductor physics	Lecture	2	3,00
SS	Physics of Soft Matter	Lecture	2	3,00
SS	Vacuum technology and physics	Lecture	2	3,00
SS	Semiconductor- Hetero- quantum- well- structures	Lecture	2	3,00
SS	Nanooptics	Lecture	2	3,00
SS	Smart Materials	Lecture	2	3,00
SS	Seminar in applied physics	Seminar	2	3,00
SS	Seminar in semiconductor und solid state physics	Seminar	2	3,00
SS	Computational Physics II	Tutorial	1	1,50
SS	Special topics in theoretical physics	Lecture	2	3,00
SS	Computational Physics II	Lecture	2	3,00
SS	Laser-matter interaction	Lecture	2	3,00
SS	Superconductivity and low temperature physics	Lecture	2	3,00
SS	Seminar Chemical Technology of Inorganic Materials	Seminar	2	3,00
SS	Principles in Process Engineering	Lecture	2	3,00
SS	Lab. Course Physical Chremistry IV	Practical Course	6	9,00
SS	Advanced Materials	Seminar	1	1,50
SS	Transport phenomena exercises	Tutorial	2	3,00
SS	Organic semiconducting polymers: Synthesis and structure-pro	Lecture	2	3,00
SS	Photovoltaics	Lecture	2	3,00
SS	Advanced Polymer Materials	Lecture	2	3,00
SS	Advanced Works Seminar (Physical Chemistry)	Seminar	2	3,00

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