

Department	VAK	Title	Type	SWS	Teachers	Degree
Institute of Physics	5.04.255 Ü5	Programming course C++ (Programmierkurs C++)	Exercises	2	Chinmay Chandratre Dr. Stefan Harfst	Bachelor
Institute of Physics	5.04.466 5	Modelling and Simulation	Lecture	4	Jann Strybny Arne Daniel	Master
Institute of Physics	5.04.466 0	Advanced Metrology	Lecture	2	Prof. Dr.-Ing. Philipp Huke	Master
Institute of Physics	5.04.646 a	Laboratory Project II - Laser & Optics	Practical	-	Dr. rer. nat. Sandra Koch Sabine Tiedeken Prof. Dr.-Ing. Philipp Huke Prof. Dr. Walter Neu, Dipl.-Phys. Bert Struve Ulrich Teubner Markus Schellenberg Lars Jepsen Stefan Wild Georges Makdissi Volker Braun	Bachelor
Institute of Physics	5.04.618	Mathematical Methods for Physics and Engineering I, lecture	Lecture	8	PD Dr. Stefan Uppenkamp, Dipl.-Phys.	Bachelor

Institute of Physics	5.06.M30 3	Final Excursion Renewable Energy (March 2021)	Study trip	-	Hans-Gerhard Holtorf, PhD Sandra-Sabrina Schwerz	Master
Institute of Physics	5.04.091 a	Seminar to Basic Laboratory (english)	Seminar	2	Priv.-Doz. Dr. Michael Krüger David Hülsmeier-Reineke	Bachelor
Institute of Physics	5.04.458 8 Ü	Seminar: Introduction to Transmission Electron Microscopy	Exercises	-	Dr. Vita Solovyeva Prof. Dr. Sascha Schäfer	Master
Institute of Physics	5.06.009	Evaluation PPRE EUREC WS 2020/21	Miscellaneous	-	Dr. Herena Torio	
Institute of Physics	5.06.999	PPRE - Special appointments	Miscellaneous	-	Eduard Knagge, Dipl.-Ing. Hans-Gerhard Holtorf, PhD Andreas Günther Dr. Herena Torio Cuauhtemoc Adrian Jimenez Martinez Dr. Robin Knecht	
Institute of Physics	5.04.638 Ü4	Exercises Mathematical Methods for Physics and Engineering III	Exercises	2	Dr. Michele Guerrini	Bachelor
Institute of Physics	5.06.M30 1	Case Study	Seminar	-	Hans-Gerhard Holtorf, PhD Dr. Elke Lorenz	Master

Institute of Physics	5.06.M11 7	Energy Meteorology	Lecture	2	Dr. Detlev Heinemann	Master
Institute of Physics	5.04.612 Ü2	Exercises Mechanics	Exercises	-	M. Sc. Apostolos Langidis Prof. Dr. Martin Kühn	Bachelor
Institute of Physics	5.06.M30 5	Report & Presentation External Training	Seminar	-	Dr. Herena Torio	Master
Institute of Physics	5.04.255	Programming course C++ (Programmierkurs C++ VL)	Lecture	2	Dr. Stefan Harfst	Bachelor
Institute of Physics	5.04.421 3 Ü2	Machine Learning I - Probabilistic Unsupervised Learning	Exercises	-	Florian Hirschberger Prof. Dr. Jörg Lücke	Master
Institute of Physics	5.04.652	Hyperloop Technologies	Project	2	Prof. Dr. Walter Neu, Dipl.-Phys. Prof. Dr.-Ing. Thomas Schüning	Bachelor
Institute of Physics	5.04.638 Ü2	Exercises Mathematical Methods for Physics and Engineering III	Exercises	2	Reza Varzandeh	Bachelor
Institute of Physics	5.04.638	Exercises Mathematical	Exercises	2	Meritxell Villén Basco	Bachelor

	Ü3	Methods for Physics and Engineering III				
Institute of Physics	5.06.M12 1	Photovoltaics	Lecture	-	Dr. Robin Knecht	Master
Institute of Physics	5.04.618 - T	Tutorensseminar: Mathematical Methods for Physics and Engineering I, lecture	Seminar	-	PD Dr. Stefan Uppenkamp, Dipl.-Phys.	Bachelor
Institute of Physics	5.06.M11 1	Heat Transfer	Practical	-	Andreas Günther	Master
Institute of Physics	5.04.661 1	Advanced Optical Spectroscopy	Seminar	2	Markus Schellenberg Dr. rer. nat. Sandra Koch Prof. Dr. Walter Neu, Dipl.-Phys.	Master
Institute of Physics	5.04.467 5	Optical Simulation and Modelling (Zemax)	Lecture	-	Prof. Dr. Walter Neu, Dipl.-Phys.	Master
Institute of Physics	5.06.M11 9	Energy Systems	Lecture	2	Dr. Detlev Heinemann	Master
Institute of Physics	5.06.M31 3	Biomass Energy	Lecture	2	Prof. Dr. Michael Wark, Dipl.-Chem. Dr.-Ing. Alexandra Pehlken	Master

Institute of Physics	5.04.641	Production Engineering	Lecture	2	Prof. Dr.-Ing. Florian Schmidt	Bachelor
Institute of Physics	5.04.406 1	Wind Energy Physics	Lecture	2	Prof. Dr. Joachim Peinke	Master
Institute of Physics	5.04.638 Ü5	Exercises Mathematical Methods for Physics and Engineering III	Exercises	2	Dr. Maartje Hendrikse	Bachelor
Institute of Physics	5.04.612 Ü4	Exercises Mechanics	Exercises	2	Mohamed Ibrahim Prof. Dr. Martin Kühn	Bachelor
Institute of Physics	5.06.M12 7	Energy Storage	Lecture	-	Hans-Gerhard Holtorf, PhD Prof. Dr. Robert Steinberger-Wilckens	Master
Institute of Physics	5.04.612 Ü1	Exercises Mechanics	Exercises	2	Niklas Brandt Prof. Dr. Martin Kühn	Bachelor
Institute of Physics	5.06.M10 7	Energy Storage	Practical	-	Cuauhtemoc Adrian Jimenez Martinez	Master
Institute of Physics	5.06.M30 3	Final Excursion Renewable Energy	Study trip	-	Hans-Gerhard Holtorf, PhD Sandra-Sabrina Schwerz	Master

Institute of Physics	5.04.401 3	Current trends in Gravitation	Seminar	-	Prof. Dr. Jutta Kunz-Drolshagen Prof. Dr. Betti Hartmann	Master
Institute of Physics	5.04.425 1	Perturbation Theory in Gravity	Lecture	-	Dr. rer. nat. Manuel Hohmann	Master
Institute of Physics	5.04.255 Ü3	Programming course C++ (Programmierkurs C++)	Exercises	2	TutorInnen, der Physik Dr. Stefan Harfst	Bachelor
Institute of Physics	5.04.466 1	Spectrophysics	Lecture	-	Prof. Dr. Walter Neu, Dipl.-Phys.	Master
Institute of Physics	5.04.420 3	Angewandte Psychophysik	Lecture	-	Prof. Dr. Steven van de Par	Master
Institute of Physics	5.04.458 7	Advanced CFD and wind turbine aerodynamics	Seminar	2	Dr. Bernhard Stoevesandt	Master
Institute of Physics	5.06.M30 7	Report & Presentation External Training	Seminar	2	Dr. Herena Torio	Master
Institute of Physics	5.04.407	Interdisciplinary Topics in	Seminar	2	Prof. Dr. Laura Lukassen	Master

	3	Fluid Dynamics				
Institute of Physics	5.04.624 b	Introduction to Biomedical Physics and Acoustics	Lecture	-	Prof. Dr. Björn Poppe Prof. Dr. Simon Doclo Prof. Dr. Steven van de Par Prof. Birger Kollmeier Dr. rer. nat. Hui Khee Looe	Bachelor
Institute of Physics	5.04.624c	Introduction to Renewable Energies	Lecture	2	Prof. Dr. Martin Kühn Dr. Detlev Heinemann	Bachelor
Institute of Physics	5.04.420 7	Processing and analysis of biomedical data	Lecture	2	Thomas Brand PD Dr. Stefan Uppenkamp, Dipl.-Phys. Dr. Stephan Ewert, Dipl.-Phys.	Promotion Master
Institute of Physics	5.04.256 b	Introduction to Matlab	Lecture	-	Markus Schellenberg	Bachelor
Institute of Physics	5.04.421 3	Machine Learning I - Probabilistic Unsupervised Learning	Lecture	4	Prof. Dr. Jörg Lücke	Master
Institute of Physics	5.04.612	Mechanics	Lecture	2	Prof. Dr. Martin Kühn	Bachelor

Institute of Physics	5.04.624 a	Introduction to Laser & Optics	Lecture	-	Prof. Dr.-Ing. Philipp Huke	Bachelor
Institute of Physics	5.04.641 a	Lasers in Medicine II	Lecture	-	Prof. Dr. Walter Neu, Dipl.-Phys.	Bachelor
Institute of Physics	5.04.458 6	Advanced Topics Speech and Audio Processing	Lecture	-	Prof. Dr. Simon Doclo	Promotion Master
Institute of Physics	5.04.661 0	Modern Methods in Optical Microscopy	Seminar	2	Markus Schellenberg Prof. Dr. Walter Neu, Dipl.-Phys. Dr. rer. nat. Sandra Koch	Master
Institute of Physics	5.04.609	Material Sciences	Lecture	4	Prof. Dr. Olaf Helms Prof. Dr.-Ing. Martin Lünemann	Bachelor
Institute of Physics	5.06.M11 3	Primer in RE	Lecture	2	Dr. Herena Torio Paul Ziethe Andreas Günther	Master
Institute of Physics	5.04.612 Ü3	Exercises Mechanics	Exercises	2	M. Sc. Arjun Anantharaman Prof. Dr. Martin Kühn	Bachelor

Institute of Physics	5.04.898	Bremen Oldenburg Relativity Seminar	Seminar	-	Prof. Dr. Jutta Kunz- Drolshagen Claus Lämmerzahl	
Institute of Physics	5.06.M10 9	Fluids	Practical	-	Hans-Gerhard Holtorf, PhD	Master
Institute of Physics	5.04.407 0	Fluid Dynamics I / Fluiddynamik I	Lecture	-	Prof. Dr. Laura Lukassen	Master
Institute of Physics	5.04.467 3	Hyperloop Engineering	Forschungss eminare	-	Prof. Dr. Walter Neu, Dipl.-Phys. Prof. Dr.-Ing. Thomas Schüning	Master
Institute of Physics	5.04.458 8	Introduction to Transmission Electron Microscopy	Lecture	-	Prof. Dr. Sascha Schäfer	Master
Institute of Physics	5.06.M12 3	Solar Thermal	Lecture	2	Dr. Herena Torio	Master
Institute of Physics	5.04.452 8	Computational Biophysics	Lecture	-	Prof. Dr. Ilia Solov'yov	Master
Institute of Physics	5.04.424 3 a	Python Programming in Energy Science I	Lecture	-	Dr. Jonas Schmidt Dr. Martin Dörenkämper Dr. Lukas Vollmer	Master

					Dr. Hassan Kassem	
Institute of Physics	5.04.638	Mathematical Methods for Physics and Engineering III	Lecture	2	Prof. Dr. Volker Hohmann, Dipl.-Phys.	Bachelor
Institute of Physics	5.04.421 3 Ü1	Machine Learning I - Probabilistic Unsupervised Learning	Exercises	-	Prof. Dr. Jörg Lücke	Master
Institute of Physics	5.04.255 Ü1	Programming course C++ (Programmierkurs C++)	Exercises	2	Arsalan Najeeb Dr. Stefan Harfst	Bachelor
Institute of Physics	5.04.421 4	Advanced Models and Algorithms in Machine Learning	Seminar	2	Prof. Dr. Jörg Lücke	Master
Institute of Physics	5.04.255 Ü2	Programming course C++ (Programmierkurs C++)	Exercises	2	Arsalan Najeeb Dr. Stefan Harfst	Bachelor
Institute of Physics	5.04.657 0	Fundamentals of Optics	Lecture	-	Ulrich Teubner	Master
Institute of Physics	5.04.421 8	Auditory Scene Analysis in Speech and Music	Lecture	2	Kai Siedenburg	Master
Institute of Physics	5.04.301 Ü3	Online Exercise: Solid-state physics	Exercises	2	M. Sc. Ashwin Hariharan Prof. Dr. Sascha Schäfer	Bachelor Master

Institute of Physics	5.04.407 0Ü	Übung zu Fluid Dynamics I / Fluiddynamik I	Exercises	2	Prof. Dr. Laura Lukassen	Master
Institute of Physics	5.04.638 Ü1	Exercises Mathematical Methods for Physics and Engineering III	Exercises	-	Dr. Michele Guerrini	Bachelor
Institute of Physics	5.06.M12 5	Basics of Wind Energy	Lecture	2	Dr. Michael Hölling	Master
Institute of Physics	5.06.M10 5	Radiation & Matter	Practical	-	Dr. Herena Torio	Master
Institute of Physics	5.04.301 Ü5	Exercise: Solid-state physics	Exercises	2	Alexander Schröder Prof. Dr. Sascha Schäfer	Bachelor Master
Institute of Physics	5.04.709	Berufsfeldbezogenes Praktikum Engineering Physics	Practical course	-	Dr. rer. nat. Sandra Koch Bert Struve	Bachelor
Institute of Physics	5.06.M31 1	Hydro- & Marine Power	Miscellaneous	-	Hans-Gerhard Holtorf, PhD	Master
Institute of Physics	5.06.M10 1	Introductory Laboratory	Practical	-	Dr. Herena Torio Cuauhtemoc Adrian Jimenez Martinez Dr. Robin Knecht	Master

Institute of Physics	5.04.421 3 Ü3	Machine Learning I - Probabilistic Unsupervised Learning	Exercises	-	Seyyed Hamid Mousavi Hashemi Prof. Dr. Jörg Lücke	Master
Institute of Physics	5.06.998	PPRE - Sprechstunde	Miscellaneous	-	Eduard Knagge, Dipl.-Ing. Hans-Gerhard Holtorf, PhD Andreas Günther Dr. Herena Torio Cuauhtemoc Adrian Jimenez Martinez Dr. Robin Knecht	
Institute of Physics	5.04.637	Laboratory Project I	Practical	-	Dr. rer. nat. Sandra Koch Markus Schellenberg Bert Struve Ulrich Teubner Prof. Dr. Walter Neu, Dipl.-Phys. Prof. Dr.-Ing. Thomas Schüning Stefan Wild Lars Jepsen Sabine Tiedeken Volker Braun Prof. Dr.-Ing. Philipp Huke Georges Makdissi	Bachelor

Institute of Physics	5.04.466 9	Laser Material Processing	Lecture	4	Knut Partes	Master
Institute of Physics	5.04.905	Nonlinear and strong-field optics	Lecture	-	Priv.-Doz. Dr. Petra Groß, Ph.D.	Master
Institute of Physics	5.04.255 Ü4	Programming course C++ (Programmierkurs C++)	Exercises	2	Chinmay Chandratre Dr. Stefan Harfst	Bachelor
Institute of Physics	5.04.656	Seminar Fortgeschrittene Themen in EP / Advanced Topics in EP	Seminar	-	Iván Herráez	Master
Institute of Physics	5.04.645	Control Systems / Control Theory	Lecture	-	Prof. Dr.-Ing. Philipp Huke	Bachelor
Institute of Physics	5.04.255 Ü6	Programming course C++ (Programmierkurs C++)	Exercises	-	Chinmay Chandratre Dr. Stefan Harfst	Bachelor
Institute of Physics	5.04.423 8	Wind Physics Student's Lab (Wind2Grid)	Seminar	-	Prof. Dr. Martin Kühn Prof. Dr. Joachim Peinke Dr. Detlev Heinemann Dipl.-Ing. Andreas Hermann Schmidt	Master
Institute of Physics	5.04.465	Stochastic Processes in	Seminar	2	Dr. Matthias Wächter,	Master

	2	Experiments			Dipl.-Phys.	
Institute of Physics	5.04.256 a	Introduction to Matlab	Lecture	-	Markus Schellenberg	Bachelor