

This is a possible study plan for the specialisation Laser & Optics. The plan is a suggestion and is not binding.
Please adapt it accordingly and comply with the examination regulations

CP ->	3	6	9	12	15	18	21	24	27	30	Summe
4	Thesis										
CP	30										30
3	Specialization phy683 Advanced Topics in Laser and Optics Mo 14 - 16 Di 14 - 16 5.04.4082 Spectroscopy at the Nanoscale 2.01.369-B Selected topics in nanomechanics and the mechanical characterization of nanomaterials using microscopy	Engineering Sciences options ph638 Laser Material Processing Wed 8 - 10 plus Project (EMD) 05.04.4669 Laser Material Processing Project	phy683 Adv. Topics in Laser & Optics Th 14 - 16 Tu 14 - 16 Modern Optics 5.04.4579 - Solid-State Opto-mechanic 5.04.4056 - Nonlinear Optics	Advanced Research Project (Preparation Master Thesis) phy691 Block					Seminar Advanced Topics in EP phy640 Fr 10 - 12 5.04.656 Advanced Topics in EP 13 sessions spread over all semester plus talk		
CP	6	6	15					3	30		
2	Advanced Physics phy617 Fourier Methods Mo 10 - 12 & Thu 13 - 16 Tue 8-10 5.04.4662 Ultrashort Laser Pulses 5.04.4676 Fourier Methods	Specialization phy965 or phy637 Engineering Scientific Instrumentation or Laser Design and Beam Guiding Mo 12 - 16 5.04.4677 Engineering Scientific Instrumentation or Laser Design and Beam Guiding	Specialization phy634 Biophotonics and Spectroscopy Tue 14 - 16 Tue 12 - 14 5.04.4667 - Biophotonics and Spectroscopy 5.04.6610 - Modern Methods in Optical Microscopy	Specialization phy966 Intense Light Physics Thu 13 - 16 5.04.4663 Physics with Intense Laser Pulses	Tools and Skills in Engineering Sciences phy681 Wed 09 - 11 5.04.4671 Tools in Advanced Photonics	note	phy640	Fr 10-12	5.04.656 Advanced Topics in EP 13 sessions spread over all semester		
CP	6	6	6	6	6	6	6	6	6	30	
1 Winter Term	Advanced Physics phy633 Optics Wed 14 - 18 (EMD) 5.04.6570 Fundamentals of Optics	Advanced Metrology phy631 Mo 14 - 16 Fr 14 - 16 5.04.4660 Advanced Metrology	Theoretical Methods phy611 Block 5.04.4521 Computerorientierte Physik OR Summer semester online Mo o. Fr 18 - 20? 5.04.4675 Optical Simulation and Modelling (ZEMAX)	Engineering Sciences phy632 Spectrophysics Tu 10 - 12 Tu 12 - 14 5.04.4661 Spectrophysics 5.04.6611 Advanced Optical Spectroscopy	Engineering Sciences phy600 Photonics Th 10 (s.t.) - 13.15 (EMD) 5.04.4668 Photonics	note	phy640	Fr 10-12	5.04.656 Advanced Topics in EP 13 sessions spread over all semester		
CP	6	6	6	6	6	6	6	6	6	30	

Semester ->