

*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	
Semester →	4	Thesis											
	CP	30											30
	3	Specialization phy683 Advanced Topics in Laser and Optics Tue 14 – 16 Wed 14 - 16 5.04.4056 Modern Optics - Nonlinear Optics 5.04.4579 Modern Optics - Solid-State Optomechanics	Engineering Sciences options ph638 Laser Material Processing Mon 8 – 12 05.04.4669 Laser Material Processing Project	Advanced Research Project (Preparation Master Thesis) phy691 Block						Seminar Advanced Topics in EP phy640 Fri 10-12 5.04.656 Seminar Advanced Topics in Engineering Physics			
	CP	6	6	15						3	30		
	2	Advanced Physics phy617 Fourier Methods Mon 10 – 12 Thu 13 – 16 (EMD) & Tue 8-10 5.04.4662 Ultrashort Laser Pulses 5.04.4676 Fourier Methods	Specialization Engineering Scientific Instrumentation or Laser Design and Beam Guiding Mon 12 - 16	Specialization phy634 Biophotonics and Spectroscopy Tue 12 – 14 Tue 14 – 16 5.04.4667 Biophotonics and Spectroscopy 5.04.6610 Modern Methods in Optical Microscopy	Specialization phy966 Intense Light Physics Thu 14 – 18 (EMD) 5.04.4663 Physics with Intense Laser Pulses	Tools and Skills in Engineering Sciences phy681 Wed 09 – 14 (EMD) 5.04.4671 Tools in Advanced Photonics	note phy640 Fr 10-12						
	CP	6	6	6	6	6	6	30					
		Advanced Physics phy633 Optics Wed 14 - 18 (EMD) Thu 16 – 18 (???) 5.04.6570 Fundamentals of Optics	Advanced Metrology phy631 Advanced Metrology Mon 14 – 16 Fri 12 – 14 5.04.4660 Advanced Metrology	Theoretical Methods phy611 Mon 12 – 14 (online) 5.04.4675 Optical Simulation and Modelling (Code V)	Engineering Sciences phy632 Spectrophysics Wed 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						
	CP	6	6	6	6	6	6	30					