Optoelectronics (Laboratory Internship)

Module Title Module Title in German Module Leader Teaching Staff		Optoelectronics (Lab)															
		Optoelektronik (Praktikum) Lothar Kempen Prof. Dr. Lothar Kempen, Prof. Dr. Dirk Rüter															
									Cour	rse Language	German / I	English					
										Code	Workload	Credits	Semes	ter	Semester Offe		Duration
	OE	180 h	6	6. Seme	ester	Every Summ Semester	ier	1 Semester									
1 Type of Cou		rse	Scheduled Learning		Independent Study		Approx. Number of										
	Laboratory:	2h/week 30				150 h		Participants: max 15									
2	Learning Ou	itcomes / Co	mpetences														
	Upon successful completion of this module, students																
	into e know can c	 are able to drive laser diodes, calculate the light propagation and couple light into optical glass fibers know fiberoptic components, can select them according to the application and can determine their properties are able to operate typical fiberoptic measurement instruments and can interpret and analyze the result 															
3	Content																

4	Teaching Methods						
	Laboratory in small groups						
5	Content-Related Module Prerequisites Module Prerequisites						
	Basic knowledge of the subjects of the first five semesters						
6	Formal Module Prerequisites						
	None						
7	Type of Exams						
	Graded reports about the individual projects yield the total grade for this module						
8	Prerequisite for the Granting of Credits						
	Passed Exam (All reports graded at least 4.0)						
9	This Module Appears in:						
	Elektrotechnik_BPO2014_BPO2015_BPO2019 Mechatronics_BPO2013_BPO2019						
10	Weighting of Grade in Relationship to Final Grade						
	Weighting equals the proportion of module credits in relationship to the total number of grade-relevant credits						
11	Additional Information / Literature						
	Literature will be announced project-specific every semester.						