

## Study schedule:

## Masters Study Programme Photonics

### Abbreviations

WS = Winter semester  
SoSe = Summer semester  
SWS = Semester load  
CP = Credit Points

V = Lecture  
SU = Seminar-based teaching  
Ü = Exercise class  
P = Practical

PE = Examination performance  
MP = Module examination

12.10.2023	Language*	1.Semester WS					2.Semester SoSe					3.Semester WS					4.Semester SoSe									
	E=English	SWS				CP	PE	SWS				CP	PE	SWS				CP	PE	SWS			CP	PE		
Type of course	G=German	V	SU	Ü	P	CP	PE	V	SU	Ü	P	CP	PE	V	SU	Ü	P	CP	PE	V	Ü	P	CP	PE		
<b>Subject, discipline</b>		<b>Compulsory module</b>																								
Image Processing	E		2		2	6	ME																			
Integrated Devices	E	3		1	1	6	ME																			
Laser Physics	E	2		1	2	6	ME																			
Theoretical Optics	E	3		2		6	ME																			
Development of Optical Systems	E							2			2	6	ME													
Laser Metrology	E							2			2	6	ME													
Quantum Sensors	E							1	2	1	1	6	ME													
Wave and Quantum Optics	E							2		1	2	6		2		1		6	ME							
Development of Solid State Lasers	E													2		1	2	6	ME							
Laser Material Processing	E													2		1	2	6	ME							
Optical Measurement Technology	E													2		1	2	6	ME							
<b>Total of column</b>		8	2	4	5			7	2	2	7			8		4	6									
<b>Total of examination performance</b>		4					24		3				24		4				24					30		
<b>Total SWS</b>		19							18						18											
		<b>Optional modules</b>																								
Optional modules						6	ME					6	ME					6	ME							
<b>Total from compulsory and optional modules</b>							30	5					30	4					30	5						

**Total CP: 120**

Catalogue of optional modules	Language	WS						SoSe					
	E=English	SWS				CP	PE	SWS				CP	PE
	G=German	V	SU	Ü	P	CP	PE	V	SU	Ü	P	CP	PE
Chemical Technology of Materials	E	3		1	1	6	ME						
Functional Materials	G	3		2		6	ME						
German as Foreign Language	G	2		1		3	ME						
Incoherent Light Sources	E							3	1	1		6	ME
Intercultural Communication and Competence	E							1		1		3	ME
Microscopy and Surface Science	E								3		2	6	ME
Modelling and Simulation	E							2		2		6	ME
Optical Coherence Tomography	E	3		1	1	6	ME						
Optical Communications	E	2		1	1	6	ME						
Photonic Crystals and Materials	E							3		1	1	6	ME
Photonic Integrated Circuits	E								3	1	1	6	ME
Photovoltaic Systems	G							2		1	1	6	ME
Quantum Statistical Physics	E							3		2		6	ME
Solid State Physics and Semiconductors	E	4	2	1		6	ME						
Free optional module*	G						ME						

\* Free optional module from the Master study programme of the FH Münster upon application and in coordination with the study programme lecturer.

\*\* Choice of optional modules depending on availability