

COURSES	Sem. 1					Sem. 2					Sem. 3					Sem. 4				
	Hours/week			Exam	ECTS	Hours/week			Exam	ECTS	Hours/week			Exam	ECTS	Hours/week			Exam	ECTS
	L	C	La			L	C	La			L	C	La			L	C	La		
Quantum Physics	2	2		E	4															
Fundamentals of Optics	2	1		E	4															
Introduction to Photonics	1		1		3															
Photonic Devices	2		4		7															
Wave Optics Laboratory			4		5															
Laser Physics	2			E	3															
Supplementary Subjects ¹⁾	4				4															
Physical Education							2			0										
Optical Information Processing						2	1	3	E	7										
Numerical Methods in Optical Techniques						2		1		3	2		1			3				
Solid State Optics						2		1	E	3										
Laser Technique						2		1		3	2		3			5				
Optical Waveguides and Fibers						2				3										
Semiconductor Optoelectronics						2		1		3										
Contemporary Optics Seminar							2			2										
Elective Subjects ²⁾						4				4	4				4	4				4
Social and Humanistic Subjects											2				2	2				2
Fiber Optic Photonics											2			E	2 3					
Optical Microsystems						2	1(P)	1		4	2	1(P)	1			4				
Presentation Techniques in Science							2			2			2		2					
Liquid Crystals Photonics											2					2				
Quantum Photonics											2	1		E	4					
Nonlinear Optics						1		1		2	1		1		3					
Diploma Laboratory													4		5					
Diploma Seminar												2			2		2			2
Photovoltaics																2				2
Master Thesis																	12	E		20
Total	25			3	30	15	8	7	2	30	16	3	8	2	30	8	2	12	1	30

After semester 2 – obligatory professional training – 2 weeks, 3 ECTS over limit.

¹⁾ to be selected from: Programming Languages, Introduction to Solid State Physics, Programming of Virtual Devices, Electrodynamics, Mathematical Methods of Physics, Microprocessor's Systems.

²⁾ to be selected from: Optics of Anisotropic Media, Fiber-Optic Communication Systems, Photonic Integrated Circuits, Design of Optical Systems, Optical Full-Field Measurements.