

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 <sup>1)</sup>	4				4															
Physical Education							2			0										
Optical Information Processing						2	1	3	E	7										
Numerical Methods in Optical Techniques						2		1		3										
Solid State Optics						2		1	E	3										
Laser Technique						2		3		5										
Optical Waveguides and Fibers						2				3										
Semiconductor Optoelectronics						2		1		3										
Contemporary Optics Seminar							2			2										
Elective Subjects <sup>2)</sup>						4				4	4			4	4					4
Social and Humanistic Subjects											2			2	2					2
Fiber Optic Photonics											2			E	2					
Optical Microsystems											2	1(P)	1		4					
Presentation Techniques in Science												2			2					
Liquid Crystals Photonics											2				2					
Quantum Photonics											2	1		E	4					
Nonlinear Optics											1		1		3					
Diploma Laboratory													4		5					
Diploma Seminar												2			2		2			2
Photovoltaics																2				2
Master Thesis																	12	E		20
<b>Total</b>	<b>25</b>			<b>3</b>	<b>30</b>	<b>16</b>	<b>5</b>	<b>9</b>	<b>2</b>	<b>30</b>	<b>15</b>	<b>6</b>	<b>6</b>	<b>2</b>	<b>30</b>	<b>8</b>	<b>2</b>	<b>12</b>	<b>1</b>	<b>30</b>

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

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

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