

Computational physics modul	Information theory	Lec+Prac/Prac		2+1			4		Dr. Frigyk Béla András
	Complex methods in physics	Sem/Prac			4		6		Dr. Tibai Zoltán
	Numerical solution of partial differential equations lecture	Sem/Prac		3			5		Dr. Tóth György
	Visualization	Sem/Prac				2	3		Dr. Almási Gábor
	Assembly programming lecture	Sem/Prac			3		4		Dr. Almási Gábor
	Application of microcontrollers	Sem/Prac			2		4		Dr. Almási Gábor
	Computer networks lecture II	Sem/Prac				3	4		Dr. Almási Gábor
							30		
Applied physics modul - Optics and laser physics modul	Modern optics	Lec/Coll		2			3		Dr. Erostyák János
	Laser physics lecture			3			4		Dr. Hebling János
	Laser physics seminar	Sem/Prac		1			2		Dr. Hebling János
	Nonlinear optics lecture	Lec/Coll			3		4		Dr. Tóth György
	Nonlinear optics seminar	Sem/Prac			1		2		Dr. Tóth György
	Spectroscopy	Sem/Prac			2		3		Dr. Hebling János
							18		
Applied physics modul	Advanced laboratory practice II	Lab/Prac		4			5		Dr. Pálfalvi László
	Nanostructures	Sem/Prac			4		6		Dr. Kuhlevszkij Szergej
	Optoelectronics	Lec/Coll			2		3		Dr. Kuhlevszkij Szergej
	Magnetic materials	Lec/Coll			2		3		Dr. Kuhlevszkij Szergej
	Materials characterization	Sem/Prac.				4	4		Dr. Erostyák János
								21	
							39		
Quantum physics modul	Quantum optics lecture	Lec/Coll		2			3		Dr. Ádám Péter
	Quantum optics seminar	Sem/Prac			2		3	Quantum op	Dr. Mechler Mátyás
	Quantum informatics lecture	Lec/Coll		2			3		Dr. Ádám Péter
	Quantum informatics seminar	Sem/Prac			2		3	Quantum inf	Dr. Ádám Péter
	Open quantum systems	Lec/Coll		2			3		Dr. Ádám Péter
	Resonant light-matter interactions	Lec/Coll			2		3		Dr. Ádám Péter
Atomic and molecular physics modul	Atomic and molecular physics	Lec/Coll		2			3		Dr. Gál Tamás

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Other elective courses	Fundamentals of particle acceleration	Sem/Prac	3					3	Dr. Tibai Zoltán
	Particle acceleration 2	Sem/Prac		3				3	Dr. Tibai Zoltán
	Free-electron lasers	Lec/Coll	2					3	Dr. Hebling János
	THz spectroscopy 2	Sem/Prac		3				4	Dr. Buzády Andrea
	Document preparation with LaTeX			2				3	Dr. Mechler Mátyás
	Applications of the optical desingns	Prac/Prac	2					4	Dr. Pálfalvi László
	Density functional theory	Sem/Prac		2				3	Dr. Paragi Gábor
	Computational molecular modelling	Sem/Prac		2				3	Dr. Paragi Gábor
	Waveguide optics	Lec/Coll		2				2	Dr. Kuhlevszkij Szergej
	Plasma physics	Lec/Coll		2				2	Dr. Kuhlevszkij Szergej
	X-ray lasers	Lec/Coll		2				2	Dr. Kuhlevszkij Szergej
	Applications of the optical designs	Prac/Prac	2					4	Dr. Pálfalvi László
	MATLAB I	Prac/Prac		3				3	Dr. Mechler Mátyás
MATLAB II	Prac/Prac	2					2	Dr. Mechler Mátyás	
FACULTATIVE COURSES - completing 6 credits								6	
TOTAL of credits								120	