

**FACULTY OF NUCLEAR SCIENCES AND PHYSICAL ENGINEERING**

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<b>SEM.</b>	<b>COURSE</b>	<b>COURSE No</b>	<b>HOURS</b>
5	Laser Applications	412 APLA	2+0
7	Differential equations on computer	412 DRP	2+1
7	Electrodynamics 1	412 ELD1	4
8	Electrodynamics 2	412 ELD2	4
1	Electronics laboratory 1,2	412 EP12	2
5	Detection and Detectors	412 FDET	2+1
5	Informatics	412 INF	2
8	Informatics 2	412 INF2	2
3	Information Systems 1	412 INS1	1+1
4	Information Systems 2	412 INS2	2
5	Integrated optics	412 INTO	2
7	Quantum and statistical physics via computers	412 KSFP	2
6	Quantum electronics 1	412 KVE1	3
7	Quantum electronics 2	412 KVE2	2+1
8	Quantum electronics 3	412 KVE3	2+1
5	Seminar of laser, plasma and beam technology	412 LAPT	4
6	Laser systems	412 LAS	4
3	Laser Technique 1	412 LT1	2+2
4	Laser Technique 2	412 LT2	2
6	Measurements Methods of Physical Electronics and Optics	412 MEME	2+2
5	Modern Physics Using the Computer	412 MFP	4
5	Selected Topics From Modern Optics	412 MODO	2
6	Methods of Computational Physics	412 MPF	4
3,4	Microprocessor Laboratory	412 MPP	0+3
3	Microprocessors 1	412 MP1	4
4	Microprocessors 2	412 MP2	2
4	Numerical Methods	412 NME	2+2
6	Optoelectronics	412 OPEL	4
6	Optical spectroscopy	412 OPS	4
5	Microwave Circuits	412 ORP	4
8	Optical Signal Processing	412 OS	2+2
5	Operating Systems	412 OSY	3
1	Practical informatics for technics 1	412 PIN1	1+1
2	Practical informatics for technics 2	412 PIN2	1+1
3	Practical informatics for technics 3	412 PIN3	1+1
6	Laser Technique Laboratory	412 PLT	0+4
5	Computer Algebra	412 POAL	1+1
8	Optics and Optoelectronics Classes	412 PROP	4
5	Automatic Control And Sensors	412 RSEN	4+0
3	Signal and Data Processing	412 SIG	2+1
6	Circuit Simulation and Analysis	412 SIO	4
3	Computer Aided Publishing	412 TEXT	1+1
2	Introduction to Informatics	412 UINF	1+1
5	Introduction to laser technique	412 ULAT	1+1
5	Introduction to laser technique	412 ULT	2+1
3	Introduction to Modern Physics	412 UMF	2+1
1	Introduction to Computers	412 UPP	0+2
1	Users Programs	412 UZP	2

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5	<b>Selected Topics from Electronics</b>	<b>412 VEL</b>	<b>2</b>
4	<b>Scientific Calculations</b>	<b>412 VTV</b>	<b>2</b>
1	<b>Introduction to electronics 1</b>	<b>412 ZEL1</b>	<b>2+1</b>
2	<b>Introduction to electronics 2</b>	<b>412 ZEL2</b>	<b>2+1</b>
6	<b>Principles of Plasma Physics</b>	<b>412 ZFP</b>	<b>4</b>
3,4	<b>Class work 1,2</b>	<b>412 ROP12</b>	<b>4</b>
5,6	<b>Bachelor work 1,2</b>	<b>412 BAP12</b>	<b>W 2, S 20</b>
5,6	<b>Seminar to bachelor work 1,2</b>	<b>412 SBA12</b>	<b>2</b>
6	<b>Review work</b>	<b>412 RESE</b>	<b>0+2</b>
7,8	<b>Research Project 1,2</b>	<b>412 VYZ12</b>	<b>4</b>
9,10	<b>Diploma work 1,2</b>	<b>412 DIP12</b>	<b>W 2, S 10</b>
9,10	<b>Diploma seminar</b>	<b>412 DSEM</b>	<b>2</b>
9,10	<b>Seminar</b>	<b>412 SEM</b>	<b>2</b>