Master´s Degree Programme

Nuclear Engineering

Specialization Applied Physics of Ionizing Radiation 1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Quantum Physics	02YKFM	Jizba	2+1 z, zk	-	3	-
Nuclear Safety	17YJABE	Frýbortová, Sklenka	4+0 zk	-	5	-
Research Project 1, 2	16VUJI12	Trojek	0+6 z	0+8 kz	6	8
Advanced Experimental Neutron Physics	17YPENF	Huml	-	1+3 kz	-	4
Advanced Topics in Nuclear and Radiation Physics	16YPPJRF	Musílek, Urban	2+1 z, zk	-	3	-
Instrumentation for Radiation Measurements	16YMERV	Průša	2+2 z, zk	-	4	-
Practicum in Detection and Dosimetry of Ionizing Radiation	16YPDZNMS	Martinčík, Průša	0+4 kz	-	4	-
Accelerators in Medicine and Technology	16YUMT	Augsten	1+0 kz	-	1	-
Monte Carlo Method in Radiation Physics	16YMCRF	Klusoň, Urban	-	2+2 z, zk	-	4
Ionizing Radiation in the Environment	16YIZZP	Štěpán	-	2+1 z, zk	-	3
Integral Dosimetry Methods	16YIDOZ	Ambrožová, Musílek	-	2+0 zk	-	2
Methods of Analytical Measurement	16YAMMN	Pilařová, Průšová	-	2+0 kz	-	2
Excursion	16YEX	Thinová	-	1 week z	-	2
Optional courses:						
Radiation Effects in Matter	16YREL	Pilařová	2+0 zk	-	2	-
Monte Carlo Method	18YMEMC	Jarý, Virius	2+2 z, zk	-	4	-
Radiation Protection	16YRAO	Trojek	4+0 zk	-	4	-
Practicum in Dosimetry of Ionizing Radiation	16YPDIZ	Štěpán	-	0+4 kz	-	4
Digital Image Processing	01YDIZO	Flusser, Zitová	-	2+2 zk	-	4
Fundamentals of Clinical Dosimetry	16YZKLD	Čechák, Hanušová, Novotný J.	-	2+0 zk	-	2

Master´s Degree Programme

Nuclear Engineering

Specialization Applied Physics of Ionizing Radiation 2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Metrology of Ionizing Radiation	16YMEIZ	Novotný P., Trojek	2+1 z, zk	-	4	-
Applications of Ionizing Radiation 1	16YAPIZ1	Čechák, Trojek	3+0 zk	-	3	-
Master Thesis 1, 2	16DPJI12	Trojek	0+10 z	0+20 z	10	20
Applications of Ionizing Radiation 2	17YAPIZ2	Miglierini, Štefánik	-	2+1 z, zk	-	3
Spectrometry in Dosimetry	16YSPD	Čechák, Novotný P.	2+0 zk	-	2	-
Mathematical Methods and Modelling	16YMMM	Klusoň, Urban	0+2 z	-	2	-
Medical Application of Ionizing Radiation	16YAIZM	Hanušová, Jelínek-Michaelidesová	2+1 z, zk	-	3	-
Microdosimetry	16YMDOZI	Jelínek-Michaelidesová, Pachnerová-Brabcová	2+0 kz	-	2	-
Overview of Elementary Particle Physics	16YPFE	Smolík	2+0 kz	-	2	-
Seminar 2	16YSEM2	Pilařová	-	0+2 z	-	2
Optional courses:						
Neutron Dosimetry	16YDNEU	Ploc	2+0 zk	-	2	-
Clinical Dosimetry	16YKLD2	Hanušová, Novotný J., Trojek	2+0 kz	-	2	-
Machine Learning 1	01YSU1	Flusser	2+1 zk	-	3	-
Dosimetry of Internal Radiation Sources	16YDZAR	Musílek	-	2+0 zk	-	2
Radiobiology	16YRBIO	Davídková	-	2+0 zk	-	2
Introduction to Physics of Scintillators and Phosphors	16YFSC	Nikl	-	2+0 zk	-	2
Design of Semiconductor Detectors of Ionizing Radiation	16YKPD	Kákona	-	0+3 z	-	3
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-

Master´s Degree Programme

Physical Electronics

Specialization Photonics 1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Electrodynamics 1, 2	12YELDY12	Čtyroký, Jirka, Kwiecien	2+0 z, zk	4+0 z, zk	3	5
Computational Physics 1	12YPF1	Klimo, Kuchařík	2+0 zk	-	2	-
Research Project 1, 2	12VUFL12	Šiňor	0+6 z	0+8 kz	6	8
Optical Physics	12YFOPT	Kwiecien	3+0 z, zk	-	3	-
Quantum Electronics	12YKVEN	Richter, Dvořák	3+1 z, zk	-	5	-
Statistical Optics	12YSOP	Richter	2+0 z, zk	-	2	-
Selected Chapters of Modern Optics	12YMODO	Kwiecien, Marešová	2+0 z	-	2	-
Nonlinear Optics	12YNOP	Richter	-	3+1 z, zk	-	4
Quantum Optics	12YKOP	Richter, Dvořák	-	3+1 z, zk	-	5
Computer Control of Experiment	12YPOEX	Čech, Vyhlídal	-	2+0 z	-	2
Optical Spectroscopy	12YOSP	Michl	-	2+0 kz	-	2
Optional courses:						
Measurements Methods in Electronics and Optics	12YMMEO	Pína	-	2+0 zk	-	2
Physics of Detection and Detectors of Optical Radiation	12YFDD	Pína	2+0 zk	-	2	-
Laser Plasma as Source of Radiation and Particles	12YLPZ	Nejdl	2+0 zk	-	2	-
Solid-state, Diode and Dye lasers	12YPDBL	Jelínková, Kubeček, Němec, Jelínek	-	2+0 z, zk	-	2
Nanochemistry	12YNCH	Proška	2+0 zk	-	2	-
Preparation of Semiconductor Nanostructures	12YPN	Hulicius	-	2+0 zk	-	2
Laser Physics	12YFLA	Šulc	-	4+0 z, zk	-	4
Atomic Physics	12YAF	Šiňor	4+0 z, zk	-	4	-
Molecular Nanosystems	11YMONA	Kratochvílová	2+0 zk	-	2	-
Computational Physics 2	12YPF2	Klimo, Kuchařík	-	1+1 z, zk	-	2
Quantum Information and Communication	02YQIC	Gábris, Štefaňák	3+1 z, zk	-	4	-
Open Quantum Systems	02YOKS	Novotný	-	2+0 z	-	2
Nano-Materials - Preparation and Properties	11YNAMA	Kratochvílová	-	2+0 zk	-	2

Master´s Degree Programme

Physical Electronics

Specialization Photonics 2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Solid State Physics	11YFYPL	Aubrechtová, Kučeráková, Kalvoda	3+1 z, zk	-	4	-
Master Thesis Seminar 1, 2	12YDSFE12	Jelínková	0+2 z	0+2 z	2	2
Master Thesis 1, 2	12DPFE12	Jelínková	0+10 z	0+20 z	10	20
Nanophysics	12YNF	Šiňor Richter	1+1 zk	-	2	-
Fourier Optics and Optical Signal Processing	12YOZS	Kwiecien, Richter	3+0 z, zk	-	3	-
Advanced Optical Laboratory	12YPPRO	Jančárek	0+4 kz	-	6	-
Geometrical Optics	12YGOP	Dvořák	-	2+0 kz	-	2
Optional courses:						
Advanced Laser Spectroscopy (1)	12YPLS	Michl	2+0 zk	-	2	-
Gas and X-ray Lasers	12YRGL	Jančárek	-	2+0 kz	-	2
Advanced Laser Technology Laboratory	12YPPLT	Kubeček, Němec	0+4 kz	-	6	-
Integrated Optics	12YINTO	Čtyroký	2+0 z, zk	-	2	-
Optical Sensors	12YOSE	Homola	-	2+0 zk	-	2
X-ray Photonics	12YRFO	Pína	2 zk	-	2	-
Ultra-short Pulse Generation	12YUKP	Jelínek, Kubeček	2+0 zk	-	2	-
Fiber Lasers and Amplifiers	12YVLS	Peterka	2+0 zk	-	3	-
Computer Simulation of Condensed Matter	11YSIK	Kalvoda, Sedlák, Drahokoupil	2+2 z, zk	-	5	-
Physics of Surfaces and Interfaces	11YFPOR	Kalvoda, Skočdopole	2+0 zk	-	2	-
SEM and Methods of Microbeam Analysis	11YSEM	Kopeček	2+0 zk	-	2	-
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-

Master´s Degree Programme

Plasma Physics and Thermonuclear Fusion

1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Plasma Theory 1, 2	02YTPLA12	Kulhánek	2+2 z, zk	3+1 z, zk	5	5
Plasma Diagnostics	02YDPLA	Řezáč	-	2+1 z, zk	-	3
Computational Physics 1	12YPFTF1	Klimo, Kuchařík	-	1+1 z, zk	-	2
Technology of Thermonuclear Facilities	02YTTJZ	Entler	-	3+0 zk	-	3
Inertial Fusion Physics	12YFIF	Klimo, Limpouch	3+1 z, zk	-	4	-
Physics of Tokamaks	02YFT	Jex I., Ficker, Mácha	3+1 z, zk	-	4	-
Atomic and Molecular Physics	02YAMF	Břeň	2+2 z, zk	-	4	-
Materials Science	14YNAMA	Čech, Haušild	2+1 kz	-	3	-
Materials Science for Reactors	14YNMR	Haušild	-	2+0 zk	-	2
Laboratory Work in Plasma Physics 1, 2	02YPRPLA12	Brotánková, Svoboda	0+3 z	0+3 kz	5	5
Research Project 1, 2	02VUTF12	Brotánková, Klimo	0+6 z	0+8 kz	6	8
Optional courses:						
Topics in Magnetic Confinement Fusion	02YPMCF	Ficker	-	0+2 kz	-	2
Superconductivity and Low Temperature	11YSUPR	Janů, Ledinský	4+0 zk	-	4	-
Low Temperature Plasmas and Discharges	12YNIPL	Nejdl, Nevrkla	4+0 z, zk	-	4	-
Differential Equations on Computer	12YDRP	Liska, Váchal	2+2 z, zk	-	5	-
Computer Control of Experiment	12YPOEX	Čech, Vyhlídal	-	2+0 z	-	2
Optical Spectroscopy	12YOSP	Michl	-	2+0 kz	-	2
Nuclear Technology Devices	16YZJT	Augsten, Čechák	2+0 zk	-	2	-
Winter (Summer) School of Plasma Physics and Fusion Physics 1, 2 (1)	02YZLSTF12	Svoboda	1 týden z	1 týden z	1	1
Computer Modelling of Plasma	02YPMPL	Plašil	-	2+1 z, zk	-	3
Experimental data analysis in plasma physics	02YEADP	Seidl, Tomeš	-	0+2 z	-	3

(1) The course is intended for students of this program only.

Master´s Degree Programme

Plasma Physics and Thermonuclear Fusion

2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Computational Physics 2	12YPFTF2	Klimo, Kuchařík	2+0 z, zk	-	2	-
Seminar FPTF 1, 2	02YSTFU12	Čeřovský	0+2 z	0+2 z	2	2
ITER and the Accompanying Programme	02YITERA	Ďuran	-	2+0 zk	-	2
Pinches	02YPINCE	Klír	2+0 zk	-	2	-
Thermonuclear Fusion and Society	02YTFS	Svoboda	-	2+0 z	-	2
Master Thesis 1, 2	02DPTF12	Ficker, Klimo	0+10 z	0+20 z	10	20
Optional courses:						
Mathematical Modelling of Non-linear Systems	01YMMNS	Beneš	1+1 zk	-	3	-
Laser Plasma as Source of Radiation and Particles	12YLPZ	Nejdl	2+0 zk	-	2	-
Computer Simulations in Physics of Many Particles 1, 2	12YSFMC12	Předota, Houdek	3+1 z, zk	2+0 zk	4	2
Neutron Dosimetry	16YDNEU	Ploc	2+0 zk	-	2	-
Introduction to Environment	16YZIVO	Čechák, Thinová	2+0 kz	-	2	-
Radiation Effects in Matter	16YREL	Pilařová	2+0 zk	-	2	-
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-

Master´s Degree Programme

Solid State Engineering

1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Solid State Theory 1	11YTPL1	Hamrle, Kalvoda	4+0 zk	-	6	-
Physics of Metals	11YFKOV	Seiner	2+0 zk	-	2	-
Semiconductor Physics	11YPOLO	Potůček	4+0 zk	-	4	-
Seminar and Educational Trips 1	11YSAEX1	Drahokoupil, Kolenko	2+2 z	-	4	-
Research Project 1	11VUIP1	Kalvoda	0+6 z	-	6	-
Solid State Theory 2	11YTPL2	Hamrle, Kalvoda	-	2+0 zk	-	3
Seminar on Solid State Theory	11YSTPL	Sedlák, Seiner, Repček	-	0+2 kz	-	2
Physics of Dielectrics	11YFDEL	Aubrechtová, Bryknar	-	2+0 zk	-	2
Physics of Magnetic Materials	11YFMGL	Hamrle, Zajac	-	2+0 zk	-	2
Seminar and Educational Trips 2	11YSAEX2	Drahokoupil, Kolenko	-	2+2 z	-	4
Research Project 2	11VUIP2	Kalvoda	-	0+8 kz	-	8
Required optional courses (1)						
Practical Training in Solid State Structure Analysis	11YPSP	Čapek, Kučeráková	0+4 kz	-	6	-
Practical Training in Electronics	11YEPR	Jiroušek	0+4 kz	-	6	-
Laboratory Trainings in Solid State Physics	11YPFPL	Levinský	-	0+4 kz	-	6
Optional courses:						
Real Time Software	11YRTSW	Dráb, Jiroušek	-	2+0 z	-	2
Superconductivity and Low Temperature	11YSUPR	Janů, Ledinský	4+0 zk	-	4	-
Chemical Aspects of Solids	11YCHA	Knížek	2+0 zk	-	2	-
Metallic Oxides	11YKO	Hejtmánek	-	2+0 zk	-	2
Physics of Solid State Phase Transitions	11YFPPL	Hlinka	-	2+0 zk	-	2
Neutron Diffractometry	11YAND	Kučeráková, Vratislav	2+0 zk	-	2	-
Diffraction Methods of Structural Biology	11YDMSX	Dohnálek	-	2+1 z, zk	-	3
Physical Optics	12YFOPT	Kwiecien	3+0 z, zk	-	3	-
Quantum Optics	12YKOP	Richter, Dvořák	-	3+1 z, zk	-	5
Molecular Nanosystems	11YMONA	Kratochvílová	2+0 zk	-	2	-
Optical Spectroscopy of Inorganic Solids	11YOSAL	Potůček	-	2+0 zk	-	2
Selected Topics in Structure of Condensed Matter	11YVPSX	Drahokoupil	-	1+1 z, zk	-	2
Nano-Materials - Preparation and Properties	11YNAMA	Kratochvílová	-	2+0 zk	-	2

(1) At least one course must be enrolled.

Master´s Degree Programme

Solid State Engineering

2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Computer Simulation of Condensed Matter	11YSIK	Kalvoda, Sedlák, Drahokoupil	2+2 z, zk	-	5	-
Optical Properties of Solids	11YOPTX	Mihóková, Bryknar	2+0 zk	-	2	-
Physics of Surfaces and Interfaces	11YFPOR	Kalvoda, Skočdopole	2+0 zk	-	2	-
Intrinsic Dynamics of Materials	11YVDM	Seiner	2+0 zk	-	2	-
Seminar and Educational Trips 3	11YSAEX3	Drahokoupil, Kolenko	2+2 z	-	4	-
Master Thesis 1	11DPIP1	Kalvoda	0+10 z	-	10	-
Seminar and Educational Trips 4	11YSAEX4	Drahokoupil, Kolenko	-	2+2 z	-	4
Master Thesis 2	11DPIP2	Kalvoda	-	0+20 z	-	20
Optional courses:						
Theory and Construction of Photovoltaic Cells	11YPCPC	Pfleger	2+0 zk	-	2	-
Diffraction Analysis of Mechanical Stress	11YDAN	Ganev, Kraus	2+0 zk	-	2	-
Neutronography in Material Research	11YNMV	Kučeráková, Vratislav	-	2+0 zk	-	2
Smart Materials and Their Applications	11YSMAM	Potůček, Sedlák	-	2+0 zk	-	2
Principles and Applications of Optical Sensors	11YPAO	Aubrecht	-	2+0 zk	-	2
Magnetic Materials	11YMAM	Heczko	2+0 zk	-	2	-
Practical course in optical spectroscopy of solids	11YPOSPL	Aubrechtová, Potůček	0+4 kz	-	4	-
Laboratory in Macromolecular Crystallography 1, 2	11YPMK12	Koval	0+4 kz	0+4 kz	4	4
SEM and Methods of Microbeam Analysis	11YSEM	Kopeček	2+0 zk	-	2	-
Physics of Detection and Detectors of Optical Radiation	12YFDD	Pína	2+0 zk	-	2	-
Physics of Graphene Described by Dirac Equation	02YFG	Jakubský	-	2+0 z	-	2
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-

Master´s Degree Programme

Nuclear and Particle Physics

1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Quantum Field Theory 1, 2	02YKTPA12	Jizba, Štefaňák, Zatloukal	4+2 z, zk	4+2 z, zk	8	8
Modern Detectors	02YMTD	Adam	2+0 zk	-	2	-
Statistical Data Analysis 1, 2	02YSZD12	Myška	2+2 z, zk	2+2 z, zk	4	4
Seminar 1, 2	02YSE12	Bielčík	0+3 z	0+3 z	3	3
Research Project 1, 2	02VUJC12	Bielčík	0+6 z	0+8 kz	6	8
Detector Systems and Data Acquisition	02YSDSD	Broz	-	2+0 zk	-	2
Required optional courses type A (1)						
Physics of Ultrarelativistic Nuclear Collisions (2)	02YFUJS	Křížíková Gajdošová	2+0 zk	-	2	-
Selected Topics on Relativistic Nucleus-Nucleus Collisions (2)	02YVPJRS	Karpenko, Trzeciak	-	2+1 z, zk	-	3
	02YUC12	Krůs	2+0 zk	2+0 zk	2	2
Accelerators 1, 2 (3)	02YGTR	Tomášik	2+2 z, zk	-	4	-
General Theory of Relativity (4)						
Optional courses:						
Workshop 2	02YVS2	Bielčík	1 týden z	-	1	-
Special Practicum 1, 2	02YSPRA12	Čepila	0+4 kz	0+4 kz	6	6
Seminar on Quark-Gluon Plasma 3, 4	02YROZ34	Bielčík, Bielčíková, Tomášik	2+0 z	2+0 z	2	2
Physics of Atomic Nuclei	02YFAJ	Adam, Veselý	-	4+0 zk	-	4
Topics in Theory of Probability for Physicists	02YPRF	Šumbera	2+0 z	-	2	-
Astroparticle Physics 1, 2	02YACF12	Vícha	2+0 zk	2+0 zk	2	2
Introduction to Astrophysics	02YAST	Del Grande	-	2+0 zk	-	3
Electromagnetic production of mesons	02YEPM	Skoupil	-	2+0 zk	-	3
Practical design of radiation detectors	02YPND	Švihra, Novotný R.	-	1+1 zk	-	3
Monte Carlo Method	18YMEMC	Jarý, Virius	2+2 z, zk	-	4	-
Extreme States of Matter	02YEXSH	Bielčík, Šumbera	2+0 zk	-	2	-
Object Oriented Programming	18YOOP	Virius	0+2 z	-	2	-
Application of Data Science	01YADS	Franc	1+2 kz	-	4	-

(1) At least one of the groups E, I or T must be enrolled.
(2) Courses Experimental (E)
(3) Courses Instrumental (I)
(4) Courses Theoretical (T)

Master´s Degree Programme

Nuclear and Particle Physics

2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Fundamentals of Electroweak Theory	02YZELW	Bielčíková	3+2 z, zk	-	6	-
Seminar 3, 4	02YSE34	Bielčík	0+3 z	0+3 z	3	3
Master Thesis 1, 2	02DPJC12	Bielčík	0+10 z	0+20 z	10	20
Quantum Chromodynamics	02YZQCD	Bielčíková	-	3+2 z, zk	-	6
Optional courses:						
Workshop 3	02YVS3	Bielčík	1 týden z	-	1	-
Seminar on Quark-Gluon Plasma 5, 6	02YROZ56	Bielčík, Bielčíková, Tomášik	2+0 z	2+0 z	2	2
Materials in Experimental Nuclear Physics	02YMAT	Škoda	2+0 zk	-	2	-
Nuclear Spectroscopy	02YJSP	Wagner	-	2+2 z, zk	-	5
Physics Beyond Standard Model	02YBSM	Hubáček	2+0 z	-	2	-
Computer Control of Experiments	17YPRE	Kropík	2+1 z, zk	-	3	-
Matrix Lie Group Representations	02YREP	Motlochová	2+0 z	-	2	-
Applied Quantum Chromodynamics at High Energies	02YAQCD	Nemčík	-	2+0 zk	-	2
Particle Plasma Accelerators	02YLPA	Krůs	-	2+0 zk	-	2
Quantum Many-Body Problem in the Theory of Atomic Nuclei	02YKMP	Veselý	2+0 zk	-	2	-
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-

Master´s Degree Programme
Nuclear Engineering
Specialization Nuclear Reactors 1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Quantum Physics	02YKFM	Jizba	2+1 z, zk	-	3	-
Nuclear Safety	17YJABE	Frýbortová, Sklenka	4+0 zk	-	5	-
Research Project 1, 2	16VUJI12	Trojek	0+6 z	0+8 kz	6	8
Advanced Experimental Neutron Physics	17YPENF	Huml	-	1+3 kz	-	4
Nuclear Reactor Physics	17YFARE	Fejt, Frýbort, Frýbortová	2+2 z, zk	-	4	-
Experimental Reactor Physics	17YERF	Rataj	1+3 kz	-	4	-
Thermohydraulics of Nuclear Reactors	17YTHYR	Kobylka	-	3+1 z, zk	-	4
Reactor Kinetics and Dynamics	17YKID	Huml	-	2+2 z, zk	-	4
Core Physics and Fuel Management	17YPRF	Frýbortová, Sklenka	-	2+1 z, zk	-	3
Required optional courses gruppe 1 (5)						
Nuclear Research Installations	17YVYRE	Sklenka, Matoušková	2+2 zk	-	4	-
Stochastic Methods in Reactor Physics	17YSMRF	Huml	2+2 kz	-	4	-
Deterministic Methods in Reactor Physics (1)	17YDERF	Fejt, Frýbort	-	2+2 kz	-	4
Neutron Activation Analysis (2)	17YNAA	Štefánik	-	2+2 kz	-	4
Required optional courses gruppe 2 (6)						
Gamma-ray Spectroscopy	17YSPEK	Štefánik	2+2 kz	-	4	-
Materials Science	14YNAMA	Čech, Haušild	2+1 kz	-	3	-
Materials Science for Reactors (3)	14YNMR	Haušild	-	2+0 zk	-	2
Chemistry Programme of Nuclear Power Plants	15YPCJE	Drtinová	3+0 z, zk	-	3	-
Optional courses:						
Digital Safety Systems of Nuclear Reactors	17YCIBS	Kropík	2+0 z, zk	-	2	-
Economics of Nuclear Power Plants (4)	17YEK	Starý	2+0 zk	-	2	-
Team project	17YTYPR	Frýbort	2+2 kz	-	4	-

(1) To be enrolled only after passing 17YFARE.
(2) To be enrolled only after passing 17YSPEK.
(3) To be enrolled only after passing 14YNMA
(4) The course can be enrolled only if 17YZEH is not passed.
(5) At least two courses must be enrolled.
(6) At least one course must be enrolled.

Master´s Degree Programme

Nuclear Engineering

Specialization Nuclear Reactors 2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Metrology of Ionizing Radiation	16YMEIZ	Novotný P., Trojek	2+1 z, zk	-	4	-
Applications of Ionizing Radiation 1	16YAPIZ1	Čechák, Trojek	3+0 zk	-	3	-
Master Thesis 1, 2	16DPJI12	Trojek	0+10 z	0+20 z	10	20
Applications of Ionizing Radiation 2	17YAPIZ2	Miglierini, Štefánik	-	2+1 z, zk	-	3
Thermomechanics of Nuclear Fuels	17YTERP	Ševeček	2+2 z, zk	-	4	-
Internship in Nuclear Power Plant	17YPAJE	Nývlt	1 týden z	-	2	-
New Nuclear Sources	17YNJZ	Bílý	3+0 zk	-	3	-
Required optional courses gruppe 1 (4)						
Safety Analyses of Nuclear Installations	17YBAJZ	Fejt, Frýbortová	2+2 kz	-	4	-
Thermohydraulic Design of Nuclear Reactors (1)	17YTHAR	Kobylka	2+2 zk	-	4	-
Thermomechanical Design of Nuclear Fuels (2)	17YTNAP	Ševeček	-	2+2 kz	-	4
Accidents in Nuclear Installations	17YHAV	Fejt, Nývlt, Rýdl	-	2+2 kz	-	4
Required optional courses gruppe 2 (5)						
Spent Nuclear Fuel and Radioactive Wastes	17YVRAO	Losa	3+1 zk	-	4	-
Critical Experiment (3)	17YKEX	Huml, Rataj	1+3 kz	-	4	-
Advanced Experimental Reactor Physics (3)	17YPERF	Huml, Rataj	-	1+3 kz	-	4
Optional courses:						
Simulation of NPP Operational States	17YSIPS	Kobylka	-	0+3 kz	-	3
Radiation Protection of Nuclear Facilities	17YROJ	Starý	-	2+0 zk	-	2
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-

(1) To be enrolled after passing 17YTHYR.
(2) To be enrolled after passing 17YTERP.
(3) To be enrolled after passing 17YERF.
(4) At least two courses must be enrolled.
(5) At least one course must be enrolled.

Master´s Degree Programme

Physical Electronics

Specialization Laser Physics and Technology 1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Electrodynamics 1, 2	12YELDY12	Čtyroký, Jirka, Kwiecien	2+0 z, zk	4+0 z, zk	3	5
Computational Physics 1	12YPF1	Klimo, Kuchařík	2+0 zk	-	2	-
Research Project 1, 2	12VUFL12	Šiňor	0+6 z	0+8 kz	6	8
Optical Physics	12YFOPT	Kwiecien	3+0 z, zk	-	3	-
Quantum Electronics	12YKVEN	Richter, Dvořák	3+1 z, zk	-	5	-
Open Resonators	12YOREZ	Kubeček, Frank	2+1 z, zk	-	4	-
Nonlinear Optics	12YNOP	Richter	-	3+1 z, zk	-	4
Laser Physics	12YFLA	Šulc	-	4+0 z, zk	-	4
Solid-state, Diode and Dye lasers	12YPDBL	Jelínková, Kubeček, Němec, Jelínek	-	2+0 z, zk	-	2
Computer Control of Experiment	12YPOEX	Čech, Vyhlídal	-	2+0 z	-	2
Optional courses:						
Statistical Optics	12YSOP	Richter	2+0 z, zk	-	2	-
Geometrical Optics	12YGOP	Dvořák	-	2+0 kz	-	2
Optical Spectroscopy	12YOSP	Michl	-	2+0 kz	-	2
Quantum Optics	12YKOP	Richter, Dvořák	-	3+1 z, zk	-	5
Physics of Detection and Detectors of Optical Radiation	12YFDD	Pína	2+0 zk	-	2	-
X-ray Photonics	12YRFO	Pína	2 zk	-	2	-
Laser Plasma as Source of Radiation and Particles	12YLPZ	Nejdl	2+0 zk	-	2	-
Electronics 3	12YEL3	Pavel	2+0 zk	-	2	-
Advanced Practicum in Electronics 1, 2 (1)	12YEP12	Pavel	0+2 kz	0+2 kz	3	3

(1) Enrollment on12YEP12 possible if 12YEL3 is enrolled or passed.

Master´s Degree Programme

Physical Electronics

Specialization Laser Physics and Technology 2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Solid State Physics	11YFYPL	Aubrechtová, Kučeráková, Kalvoda	3+1 z, zk	-	4	-
Master Thesis Seminar 1, 2	12YDSFE12	Jelínková	0+2 z	0+2 z	2	2
Master Thesis 1, 2	12DPFE12	Jelínková	0+10 z	0+20 z	10	20
Ultra-short Pulse Generation	12YUKP	Jelínek, Kubeček	2+0 zk	-	2	-
Advanced Laser Technology Laboratory	12YPPLT	Kubeček, Němec	0+4 kz	-	6	-
Gas and X-ray Lasers	12YRGL	Jančárek	-	2+0 kz	-	2
Optional courses:						
Electronics for Lasers	12YELA	Pavel	2+0 zk	-	2	-
Advanced Laser Spectroscopy	12YPLS	Michl	2+0 zk	-	2	-
Fourier Optics and Optical Signal Processing	12YOZS	Kwiecien, Richter	3+0 z, zk	-	3	-
Laser in Medicine	12YPLM	Jelínková, Němec	-	4 kz	-	6
Advanced Optical Laboratory	12YPPRO	Jančárek	0+4 kz	-	6	-
Laser, Plasma and Bundle Technologies	12YLPST	Jančárek, Jelínková	-	2+2 zk	-	4
Fiber Lasers and Amplifiers	12YVLS	Peterka	2+0 zk	-	3	-
Measurements Methods in Electronics and Optics	12YMMEO	Pína	-	2+0 zk	-	2
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-

Master´s Degree Programme

Mathematical Physics

1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Geometric Methods in Physics 2	02YGMF2	Šnobl, Vysoký	-	2+2 z, zk	-	5
Finite Groups and Representations	02YGR	Chadzitaskos	2+1 z, zk	-	3	-
Quantum Physics	02YKFA	Jex I., Jex M.	-	4+2 z, zk	-	6
Quantum Field Theory 1, 2	02YKTPA12	Jizba, Štefaňák, Zatloukal	4+2 z, zk	4+2 z, zk	8	8
Lie Algebras and Lie Groups	02YLAG	Šnobl	4+2 z, zk	-	7	-
Research Project 1, 2	02VUMF12	Šnobl, Štefaňák	0+6 z	0+8 kz	6	8
Winter School of Mathematical Physics (1)	02YZS	Hrivnák	1 týden z	-	1	-
Optional courses:						
Solvable Models of Mathematical Physics (2)	02YRMMF	Hlavatý	-	2+0 z	-	2
Introduction to Strings 1, 2 (2)	02YUST12	Vysoký	2+1 z	2+1 z	3	3
Quantum Optics 1, 2	02YKO12	Jex, Potoček	2+2 z, zk	2+2 z, zk	4	4
Open Quantum Systems	02YOKS	Novotný	-	2+0 z	-	2
Quantum Information and Communication	02YQIC	Gábris, Štefaňák	3+1 z, zk	-	4	-
Quantum Programming	02YQPRGA	Gábris, Yalcinkaya	-	1+1 z	-	3
Advanced Topics of Quantum Theory	02YPPKT	Exner	-	2+0 zk	-	2
Numerical relativity	02YNGR	Schmidt	-	2 zk	-	2
Functional Analysis 3	01YFAN3	Šťovíček	2+2 z, zk	-	5	-
Theory of Random Processes	01YNAH	Vybíral	3+0 zk	-	3	-
Variational Methods	01YVAM	Beneš	1+1 zk	-	3	-
Graph Theory	01YTG	Volec, Pelantová	4+0 zk	-	5	-

(1) For students of this field only.
(2) These courses alternate with each other. In the academic year 2024/2025 the course 02YUST12 takes place.

Master´s Degree Programme

Mathematical Physics

2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Algebraic Topology	02YALT	Vysoký	2+2 z, zk	-	4	-
Master Thesis 1, 2	02DPMF12	Šnobl, Štefaňák	0+10 z	0+20 z	10	20
Master Thesis Seminar	02YDSMF	Hrivnák	-	0+2 z	-	1
Selected Topics in Statistical Physics and Thermodynamics	02YVPSFA	Jex, Novotný	4+2 z, zk	-	7	-
Optional courses:						
Relativistic Physics 1, 2	02YREL12	Semerák	4+2 z, zk	4+2 z, zk	6	6
Quantum Information and Communication	02YQIC	Gábris, Štefaňák	3+1 z, zk	-	4	-
Integrability and beyond	02YINB	Šnobl, Marchesiello	-	2+0 z	-	2
Physics of Graphene Described by Dirac Equation	02YFG	Jakubský	-	2+0 z	-	2
Quantum chemistry	02YKCH	Jex M.	2+1 z, zk	-	3	-
Quantum Circle 1, 2	02YKVK12	Exner	0+2 z	0+2 z	2	2
Solvable Models of Mathematical Physics (1)	02YRMMF	Hlavatý	-	2+0 z	-	2
Introduction to Strings 1, 2 (1)	02YUST12	Vysoký	2+1 z	2+1 z	3	3
Coxeter Groups	02YCOX	Hrivnák	2+0 z	-	2	-
Seminar on Quantum Field Theory 1, 2	02YSKTPE12	Jizba	2+1 z	2+1 z	3	3
Numerical relativity	02YNGR	Schmidt	-	2 zk	-	2
Symmetry Groups of Quantum Systems	02YGSKS	Tolar	2+0 zk	-	2	-
Quantum Groups 1	01YKVGR1	Burdík	2+0 z	-	2	-
Mathematical Modelling of Non-linear Systems	01YMMNS	Beneš	1+1 zk	-	3	-
Geometrical Aspects of Spectral Theory	01YSPEC	Krejčiřík	-	2+0 zk	-	2
Asymptotical Methods	01YASY	Mikyška	2+1 z, zk	-	3	-

(1) These courses alternate according to regulations of the department. In the academic year 2024/2025 the course 02YUST12 takes place.

Master´s Degree Programme

Physical Electronics

Specialization Computational Physics 1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Electrodynamics 1, 2	12YELDY12	Čtyroký, Jirka, Kwiecien	2+0 z, zk	4+0 z, zk	3	5
Computational Physics 1	12YPF1	Klimo, Kuchařík	2+0 zk	-	2	-
Research Project 1, 2	12VUFL12	Šiňor	0+6 z	0+8 kz	6	8
Differential Equations on Computer	12YDRP	Liska, Váchal	2+2 z, zk	-	5	-
Parallel Algorithms and Architectures	01YPAA	Oberhuber	-	2+1 kz	-	4
Inertial Fusion Physics	12YFIF	Klimo, Limpouch	3+1 z, zk	-	4	-
Computational Physics 2	12YPF2	Klimo, Kuchařík	-	1+1 z, zk	-	2
Finite Element Method	01YMKP	Beneš	-	1+1 zk	-	3
Fundamentals of Laser-Plasma Physics	12YZFLP	Klimo, Pšikal	-	2+0 zk	-	2
Digital Image Processing	01YDIZO	Flusser, Zitová	-	2+2 zk	-	4
Optional courses:						
Object Oriented Programming	18YOOP	Virius	0+2 z	-	2	-
Computer Simulations in Physics of Many Particles 1, 2	12YSFMC12	Předota, Houdek	3+1 z, zk	2+0 zk	4	2
Quantum Electronics	12YKVEN	Richter, Dvořák	3+1 z, zk	-	5	-
Quantum Optics	12YKOP	Richter, Dvořák	-	3+1 z, zk	-	5
Laser Plasma as Source of Radiation and Particles	12YLPZ	Nejdl	2+0 zk	-	2	-
Variational Methods	01YVAM	Beneš	1+1 zk	-	3	-
Introduction to Mainframe	01YUMF	Oberhuber	1+1 z	-	2	-
Mathematical Methods in Fluid Dynamics	01YMMDY	Strachota	2+0 zk	-	2	-
Numerical Methods in Fluid Dynamics	01YNMDT	Strachota	-	2+0 zk	-	2
Graph Theory	01YTG	Volec, Pelantová	4+0 zk	-	5	-
Quantum Information and Communication	02YQIC	Gábris, Štefaňák	3+1 z, zk	-	4	-

Master´s Degree Programme

Physical Electronics

Specialization Computational Physics 2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Solid State Physics	11YFYPL	Aubrechtová, Kučeráková, Kalvoda	3+1 z, zk	-	4	-
Master Thesis Seminar 1, 2	12YDSFE12	Jelínková	0+2 z	0+2 z	2	2
Master Thesis 1, 2	12DPFE12	Jelínková	0+10 z	0+20 z	10	20
Atomic Physics	12YAF	Šiňor	4+0 z, zk	-	4	-
Robust Numerical Algorithms	12YRNA	Váchal	1+1 z	-	2	-
Optional courses:						
Monte Carlo Method	18YMEMC	Jarý, Virius	2+2 z, zk	-	4	-
Mathematical Modelling of Non-linear Systems	01YMMNS	Beneš	1+1 zk	-	3	-
X-ray Photonics	12YRFO	Pína	2 zk	-	2	-
Mathematical Logic	01YMAL	Cintula	2+1 z, zk	-	4	-
Laser Plasma as Source of Radiation and Particles	12YLPZ	Nejdl	2+0 zk	-	2	-
Machine Learning 1	01YSU1	Flusser	2+1 zk	-	3	-
Nonlinear Optics	12YNOP	Richter	-	3+1 z, zk	-	4
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-

Master´s Degree Programme

Quantum Technologies

1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Quantum Information and Communication	02YQIC	Gábris, Štefaňák	3+1 z, zk	-	4	-
Quantum Optics 1, 2	02YKO12	Jex, Potoček	2+2 z, zk	2+2 z, zk	4	4
Quantum Field Theory 1, 2	02YKTPA12	Jizba, Štefaňák, Zatloukal	4+2 z, zk	4+2 z, zk	8	8
Quantum Generators of Optical Radiation 1	12YKGOZ1	Jelínek, Jelínková, Němec	2+0 zk	-	2	-
Quantum Generators of Optical Radiation 2	12YKGOZ2	Šulc	-	2+2 z, zk	-	4
Theory of Solid State 1, 2	11YTPLQ12	Hamrle, Seiner	2+2 z, zk	2+2 z, zk	4	4
Research Project 1, 2	02VUQT12	Hamrle, Štefaňák, Šulc	0+6 z	0+8 kz	6	8
Optional courses:						
Information Theory	01YTIN	Hobza	2+0 zk	-	2	-
Graph Theory	01YTG	Volec, Pelantová	4+0 zk	-	5	-
Quantum Programming	02YQPRGA	Gábris, Yalcinkaya	-	1+1 z	-	3
Open Quantum Systems	02YOKS	Novotný	-	2+0 z	-	2
Matrix Lie Group Representations	02YREP	Motlochová	2+0 z	-	2	-
Statistical Data Analysis 1, 2	02YSZD12	Myška	2+2 z, zk	2+2 z, zk	4	4
Accelerators 1, 2	02YUC12	Krůs	2+0 zk	2+0 zk	2	2
Advanced C++	18YPCP	Virius	-	2+2 z, zk	-	4
Object Oriented Programming	18YOOP	Virius	0+2 z	-	2	-
Monte Carlo Method	18YMEMC	Jarý, Virius	2+2 z, zk	-	4	-
Superconductivity and Low Temperature	11YSUPR	Janů, Ledinský	4+0 zk	-	4	-
Molecular Nanosystems	11YMONA	Kratochvílová	2+0 zk	-	2	-
Nano-Materials - Preparation and Properties	11YNAMA	Kratochvílová	-	2+0 zk	-	2
Statistical Optics	12YSOP	Richter	2+0 z, zk	-	2	-
Nonlinear Optics	12YNOP	Richter	-	3+1 z, zk	-	4

Master´s Degree Programme

Quantum Technologies

2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Quantum Field Theory 3	02YKTPA3	Jizba, Zatloukal	4+2 z, zk	-	8	-
Master Thesis 1, 2	02DPQT12	Hamrle, Štefaňák, Šulc	0+10 z	0+20 z	10	20
Optional courses:						
Selected Topics in Statistical Physics and Thermodynamics	02YVPSFA	Jex, Novotný	4+2 z, zk	-	7	-
Seminar on Quantum Field Theory 1, 2	02YSKTPE12	Jizba	2+1 z	2+1 z	3	3
Quantum Circle 1, 2	02YKVK12	Exner	0+2 z	0+2 z	2	2
Quantum Chemistry	02YKCH	Jex M.	2+1 z, zk	-	3	-
Physics of Graphene Described by Dirac Equation	02YFG	Jakubský	-	2+0 z	-	2
Physics of Detection and Detectors of Optical Radiation	12YFDD	Pína	2+0 zk	-	2	-
Open Resonators	12YOREZ	Kubeček, Frank	2+1 z, zk	-	4	-
X-ray Photonics	12YRFO	Pína	2 zk	-	2	-
Ultra-short Pulse Generation	12YUKP	Jelínek, Kubeček	2+0 zk	-	2	-
Selected Chapters of Modern Optics	12YMODO	Kwiecien, Marešová	2+0 z	-	2	-
Nanophysics	12YNF	Šiňor, Richter	1+1 zk	-	2	-
Nonlinear Optics	12YNOP	Richter	-	3+1 z, zk	-	4
Quantum Chromodynamics	02YZQCD	Bielčíková	-	3+2 z, zk	-	6
Fundamentals of Electroweak Theory	02YZELW	Bielčíková	3+2 z, zk	-	6	-
Computer Simulation of Condensed Matter	11YSIK	Kalvoda, Sedlák, Drahokoupil	2+2 z, zk	-	5	-
Physics of Surfaces and Interfaces	11YFPOR	Kalvoda, Skočdopole	2+0 zk	-	2	-
Optical Properties of Solids	11YOPTX	Mihóková, Bryknar	2+0 zk	-	2	-
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-

Master´s Degree Programme

Decommissioning of Nuclear Facilities

1st year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Nuclear Facilities Decommissioning	16YVJZ	Thinová, Trojek	3+1 z, zk	-	4	-
Contamination and Methods of Decontamination 1, 2	15YKMD12	Čubová, Semelová	2+0 zk	3+0 zk	2	3
Data Processing - Prognoses and Risk Assessment	16YRISK	Pilařová, Štěpán	3+2 z, zk	-	5	-
Equipment of Nuclear Power Plants	17YZAJE	Kobylka	3+0 zk	-	3	-
Chemistry of Problematic Radionuclides	15YCHPR	Němec	2+0 zk	-	2	-
Structures and Properties of Materials	14YSAVM	Lauschmann	2+1 zk	-	3	-
Research Project 1, 2	17VUV12	Kobylka	0+6 z	0+8 kz	6	8
Radioactive Waste and Spent Nuclear Fuel Management 1	15YNRO1	Čubová, Losa	-	3+0 zk	-	3
Laboratory Exercises 1	15YLAC1	Čubová, Němec	-	0+5 kz	-	4
Monte Carlo Method in Radiation Physics	16YMCRF	Klusoň, Urban	-	2+2 z, zk	-	4
Fuel Cycle of Nuclear Facilities	17YPCJZ	Losa, Sklenka, Starý	-	2+0 zk	-	2
Chemistry Programme of Nuclear Power Plants	15YPCJE	Drtinová	3+0 z, zk	-	3	-
Excursion 4	16YEXK4	Thinová	-	1 week z	-	2
Optional courses:						
Instrumentation for Radiation Measurements	16YMER	Průša	2+0 zk	-	2	-
Modelling and Simulation of Radionuclide Migration in the Environment	15YMSZP	Vopálka, Vetešník	2+1 z, zk	-	3	-
New Nuclear Sources	17YNJZ	Bílý	3+0 zk	-	3	-
Monte Carlo Method	18YMEMC	Virius, Gašpar	2+2 z, zk	-	4	-
Separation Methods in Nuclear Chemistry 1	15YSMJ1	Němec	3+0 zk	-	3	-
Separation Methods in Nuclear Chemistry 2	15YSMJ2	Němec	-	2+0 zk	-	2
Nuclear Research Installations	17YVYRE	Sklenka, Matoušková	2+2 zk	-	4	-
Methods of Analytical Measurement	16YAMMN	Pilařová, Průšová	-	2+0 kz	-	2
Radiation Chemistry	15YARCHA	Čuba	2+0 zk	-	2	-
Materials Science for Reactors	14YNMR	Haušild	-	2+0 zk	-	2
Determination of Radionuclides in Environment	15YSRZP	Němec	-	2+0 zk	-	2

Master´s Degree Programme

Decommissioning of Nuclear Facilities

2nd year

Course	code	lecturer	win. sem.	sum. sem.	cr	cr
Compulsory courses:						
Methods of Monitoring and Metrology	16YMEMO	Možnar, Novotný P.	2+1 z, zk	-	3	-
Radioactive Waste and Spent Nuclear Fuel Management 2	15YNRO2	Čubová, Losa	3+0 zk	-	3	-
Economics of Nuclear Facilities	17YEK	Starý	2+0 zk	-	2	-
Safety Analyses	17YBAL	Frýbort, Rataj	2+0 zk	-	2	-
Laboratory Exercises 2	17YLAC2	Rataj, Štefánik	0+4 kz	-	4	-
Legislation	16YLEG	Martinčík, Trojek	2+0 zk	-	2	-
Internship	15YPAX	Čuba	1 týden z	-	2	-
Master Thesis 1, 2	15DPV12	Němec	0+10 z	0+20 z	10	20
Expert Seminar	16YSEMO	Pilařová	-	0+3 kz	-	3
Communication with Public	16YKVR	Fojtíková	-	0+2 z	-	2
Optional courses:						
Spectrometry in Dosimetry	16YSPD	Čechák, Novotný P.	2+0 zk	-	2	-
Mathematical Methods and Modelling	16YMMM	Klusoň, Urban	0+2 z	-	2	-
Neutron Dosimetry	16YDNEU	Ploc	2+0 zk	-	2	-
Radiation Effects in Matter	16YREL	Pilařová	2+0 zk	-	2	-
Aplication of Radionuclides 1	15YNUK1	Mizera	2+0 zk	-	3	-
Aplication of Radionuclides 2	15YNUK2	Mizera	-	2+0 zk	-	3
Dosimetry of Internal Radiation Sources	16YDZAR	Musílek	-	2+0 zk	-	2
Application of Radiation Methods	15YAPRM	Múčka, Prouzová, Bárta	-	2+0 zk	-	2
Start-up Project	01YSUP	Rubeš	2+0 kz	-	2	-
Waste Management in Decommissioning Projects (1)	15YWMD	Němec, Čubová	2+2	-	6	-
Planning and Implementation of Decommissioning Projects (1)	15YPID	Němec, Čubová	4+0	-	6	-
Decommissioning Technologies (1)	16YDETE	Trojek, Kořistka	2+2	-	6	-
Installation Charactherization (1)	17YCHAIN	Rataj, Frýbortová	2+2	-	6	-
Policy, Strategy and Licencing Process for Decommissioning (1)	17YPOSTLIP	Sklenka, Martinčík	4+0	-	6	-

(1) Enrolment in these courses is subject to completion of the previous courses in the ERASMUS Mundus "Decommissioning and Environmental Remediation Courses" programme.