

Faculty of Sciences, Physical Education and Informatics

FIELD: SCIENCES

ENERGETICS AND NUCLEAR TECHNOLOGIES, Bachelor degree

<i>Subject</i>	<i>Semester</i>	<i>Number of ECTS credits</i>
MATHEMATICAL ANALYSIS	1 st sem	3
LINEAR ALGEBRA, ANALYTIC AND DIFFERENTIAL GEOMETRY	1 st sem	3
TECHNICAL DRAWING AND INFOGRAFICS	1 st sem	5
APPLIED INFORMATICS	1 st sem	4
PHYSICS 1 (FUNDAMENTAL PHYSICS 1)	1 st sem	5
CHEMISTRY	1 st sem	5
MATERIALS TECHNOLOGY	1 st sem	3
ENGLISH LANGUAGE I	1 st sem	2
PHYSICAL EDUCATION AND SPORT I	1 st sem	1
SPECIAL MATHEMATICS	2 nd sem	4
COMPUTER AIDED GRAPHICS	2 nd sem	4
STATISTICS AND EXPERIMENTAL DATA PROCESSING	2 nd sem	4
PHYSICS 2 (FUNDAMENTAL PHYSICS 2)	2 nd sem	4
COMPUTER PROGRAMMING AND PROGRAMMING LANGUAGES	2 nd sem	4
MECHANICS	2 nd sem	4
ECONOMY	2 nd sem	4
ENGLISH LANGUAGE II	2 nd sem	2
PHYSICAL EDUCATION AND SPORT II	2 nd sem	1
BASICS OF ELECTROTECHNICS	1 st sem	5
PHYSICS 3 (APPLIED PHYSICS 1)	1 st sem	5
FLUID MECHANICS	1 st sem	5
STRENGTH OF MATERIALS	1 st sem	4
ELECTRONICS	1 st sem	4
GENERAL ENERGETICS	1 st sem	5
EUROPEAN INSTITUTIONS AND EUROPEAN ADMINISTRATION/ PROFESSIONAL COMMUNICATION	1 st sem	2
ENGLISH LANGUAGE III	1 st sem	2
PHYSICAL EDUCATION AND SPORT III	1 st sem	1
Numerical methods in electrical engineering	2 nd sem	3
Physics 4 (Applied Physics 2)	2 nd sem	4
Basics of thermodynamics	2 nd sem	4
Optoelectronics	2 nd sem	4
Heat and mass transfer	2 nd sem	4
Use of water energy	2 nd sem	4
Practice I	2 nd sem	4
Sustainable Development/ Environmental protection in the energy industry	2 nd sem	3
ENGLISH LANGUAGE IV	2 nd sem	2
PHYSICAL EDUCATION AND SPORT IV	2 nd sem	1
ELECTRICAL AND ELECTRONIC MEASUREMENTS	1 st sem	5
ELECTRIC MACHINES AND DRIVES	1 st sem	5
THERMAL EQUIPMENT AND INSTALLATIONS	1 st sem	4
ELECTRIC DEVICES	1 st sem	5
HYDRAULIC MACHINES	1 st sem	4

THEORY OF AUTOMATIC REGULATION	1 st sem	2
ENERGY AND THE ENVIRONMENT	1 st sem	3
ARTIFICIAL INTELLIGENCE TECHNIQUES	1 st sem	2
ECOETHICS	1 st sem	2
METHODOLOGY OF DRAFTING FINANCING PROJECTS	1 st sem	3
RENEWABLE SOURCES / UNCONVENTIONAL ENERGY	2 nd sem	4
PRODUCTION OF ELECTRIC AND THERMAL ENERGY IN TPP	2 nd sem	5
THE ELECTRICAL SIDE OF POWER PLANTS AND STATIONS	2 nd sem	4
ELECTRICAL NETWORKS	2 nd sem	5
PRACTICE II	2 nd sem	4
BASICS OF NUCLEAR REACTOR THEORY/ KINETICS AND DYNAMICS OF NUCLEAR REACTORS	2 nd sem	4
THE IMPACT OF NUCLEAR RADIATION ON THE ENVIRONMENT	2 nd sem	4
Turbomachinery	2 nd sem	3
Thermohydraulics of nuclear installations	2 nd sem	3
RELIABILITY	1 st sem	4
CERAMIC MATERIALS. POWDER TECHNOLOGY	1 st sem	4
TREATMENT OF RADIOACTIVE WASTE	1 st sem	4
QUALITY ASSURANCE AT NPP	1 st sem	4
NUCLEAR MATERIALS AND TECHNOLOGIES	1 st sem	4
NUCLEAR SAFETY CULTURE	1 st sem	4
ELECTRICITY TRANSPORT AND DISTRIBUTION/ ENERGY CONVERSION	1 st sem	4
NUCLEAR SAFETY/ NUCLEAR WASTE MANAGEMENT	1 st sem	3
THERMAL ENERGY AUDIT	1 st sem	3
ELECTRICAL ENERGY AUDIT	1 st sem	3
ENGINEERING AND TECHNOLOGY OF NUCLEAR REACTORS	2 nd sem	5
SYSTEMS IN NUCLEAR POWER PLANTS (NPP)	2 nd sem	5
ADVANCED NPPS; THE ALFRED REACTOR; TESTING FACILITIES	2 nd sem	4
NON-ENERGETIC NUCLEAR TECHNOLOGIES	2 nd sem	4
MANAGEMENT	2 nd sem	4
DRAWING UP THE DIPLOMA PROJECT	2 nd sem	4
PRACTICE FOR DRAWING UP THE DIPLOMA PROJECT	2 nd sem	4
CYCLE OF NUCLEAR FUEL AND WASTE/ TECHNOLOGICAL SOURCES OF ENVIRONMENTAL POLLUTION	2 nd sem	2
AUTOMATION IN THE FIELD OF ENERGY/ MEASUREMENTS IN ENERGY	2 nd sem	2
Sustaining the diploma project	2 nd sem	10

BIOLOGY, Bachelor degree

Subject	Semester	Number of ECTS credits
General cytology	1 st sem	6
General chemistry	1 st sem	6
Mathematics and biostatistics	1 st sem	3
Plant morphology and anatomy	1 st sem	6
Invertebrate zoology	1 st sem	7
English language	1 st sem	2
Structural and metabolic biochemistry	2 nd sem	4
Paleobiology	2 nd sem	4
Animal histology and embryology	2 nd sem	4
Cryptogam systematics	2 nd sem	5
Vertebrate zoology	2 nd sem	7

<i>Biophysics</i>	2 nd sem	4
<i>French language English language</i>	2 nd sem	2
<i>Human anatomy and hygiene</i>	1 st sem	6
<i>Informatics and computer techniques</i>	1 st sem	2
<i>Plant physiology</i>	1 st sem	6
<i>General microbiology</i>	1 st sem	6
<i>Phanerogamae systematics</i>	1 st sem	5
<i>Ornithology</i>	1 st sem	3
<i>French language English language</i>	1 st sem	2
<i>Cellular and molecular biology</i>	2 nd sem	4
<i>Evolutionary biology (Theory of evolution)</i>	2 nd sem	3
<i>Animal physiology</i>	2 nd sem	6
<i>General genetics</i>	2 nd sem	6
<i>Mycology</i>	2 nd sem	4
<i>Biological fieldwork</i>	2 nd sem	3
<i>General parazitology</i>	2 nd sem	2
<i>French language English language</i>	2 nd sem	2
<i>Biodiversity conservation and nature protection</i>	1 st sem	3
<i>General ecology</i>	1 st sem	6
<i>Biogeography</i>	1 st sem	3
<i>Entomology</i>	1 st sem	4
<i>Phytopathology</i>	1 st sem	5
<i>Human genetics</i>	1 st sem	3
<i>Immunobiology</i>	1 st sem	4
<i>Research methodology in biology</i>	1 st sem	2
<i>Soil biology</i>	2 nd sem	3
<i>Phytosociology and vegetation of Romania</i>	2 nd sem	5
<i>Hydrobiology</i>	2 nd sem	5
<i>Genetic engineering</i>	2 nd sem	5
<i>Research stage for bachelor thesis elaboration</i>	2 nd sem	4
<i>Population biology</i>	2 nd sem	4
<i>Principles and methods of sustainable agriculture</i>	2 nd sem	4

CHEMISTRY, Bachelor degree

Subject	Semester	Number of ECTS credits
<i>Mathematics (Mathematical analysis) I</i>	1 st sem	4
<i>Physical I (Electromagnetic and Optical Phenomena)</i>	1 st sem	4
<i>The Bases of Informatics and Programming</i>	1 st sem	5
<i>General Chemistry</i>	1 st sem	8
<i>Analytical Chemistry I(Qualitative)</i>	1 st sem	7
<i>English language</i>	1 st sem, 2 nd sem	2,2
<i>Mathematics II (Algebra)</i>	2 nd sem	4
<i>Physics II (Molecular Physics and Thermodynamics)</i>	2 nd sem	4
<i>Inorganic Chemistry I (Theoretical Bases of Inorganic Chemistry)</i>	2 nd sem	7
<i>Analytical Chemistry II (Quantitative)</i>	2 nd sem	8
<i>Organic Chemistry I (Organic Chemistry Fundamentals)</i>	2 nd sem	5
<i>Inorganic Chemistry II (Nonmetals)</i>	1 st sem	5
<i>Organic Chemistry (Simple Functions)</i>	1 st sem	5
<i>Physical Chemistry I (Structure)</i>	1 st sem	7
<i>Analytical Chemistry III (Instrumental Methods)</i>	1 st sem	7
<i>Physics III (Atomic and Nuclear)</i>	1 st sem	4

English language	1 st sem, 2 nd sem	2,2
Organic Chemistry (Mixed Functions And Heterocyclic Compounds)	2 nd sem	8
Physical Chemistry II (Kinetics)	2 nd sem	5
Inorganic Chemistry III (Metals)	2 nd sem	7
Analytical Chemistry IV(Methods of Separation and Trace Analysis)	2 nd sem	5
Practice	2 nd sem	3
Physical Chemistry III (Termodynamics)	1 st sem	5
Coordination chemistry	1 st sem	4
Electrochemistry	1 st sem	6
Chemistry of Materials	1 st sem	5
Environmental Chemistry	1 st sem	5
Chemical Technology	1 st sem	5
Catalysis	2 nd sem	5
Development Work License	2 nd sem	5
Natural Compounds	2 nd sem	5
Colloids and Interfaces	2 nd sem	5
Corrosion and Corrosion Protection	2 nd sem	4
Analytical Control of Environmental Pollutants	2 nd sem	3
Sports	1 st sem, 2 nd sem	3

ECOLOGY AND ENVIRONMENTAL PROTECTION, Bachelor degree

Subject	Semester	Number of ECTS credits
General cytology	1 st sem	6
Plant biology	1 st sem	6
Animal biology	1 st sem	6
Soil science	1 st sem	5
General geology	1 st sem	5
English language / French language	1 st sem, 2 nd sem	2
Animal histology and embryology	2 nd sem	5
Plant ecophysiology	2 nd sem	5
Animal ecophysiology	2 nd sem	5
Ecological biomarkers	2 nd sem	6
Plant taxonomy	2 nd sem	3
Animal taxonomy	2 nd sem	4
English language / French language	1 st sem, 2 nd sem	2
Microbiology	1 st sem	5
Environmental biotechnology	1 st sem	6
Ecotoxicology	1 st sem	5
Aquaculture	1 st sem	6
General ecology	1 st sem	6
English language / French language	1 st sem	2
Phytosociology and Romanian vegetation	2 nd sem	4
Forest ecosystems and cynegetics	2 nd sem	6
Hydrobiology	2 nd sem	4
Ecological monitoring	2 nd sem	3
Pollution and environmental protection	2 nd sem	6
Ecological fieldwork	2 nd sem	2
Environmental geography	2 nd sem	3
English language / French language	2 nd sem	2
Plant biotechnology	1 st sem	3
Environmental law, legislation, policies and strategies	1 st sem	6
Population ecology	1 st sem	4
Human anatomy and hygiene	1 st sem	6

<i>Ethology</i>	1 st sem	4
<i>Human ecology</i>	1 st sem	5
<i>Bioadaptation</i>	2 nd sem	5
<i>Impact assessment methodology</i>	2 nd sem	5
<i>Microbial ecology</i>	2 nd sem	5
<i>Ecological statistics</i>	2 nd sem	3
<i>Genetics</i>	2 nd sem	5
<i>Documentation and research stage for bachelor thesis elaboration</i>	2 nd sem	4
<i>Environmental chemistry</i>	2 nd sem	5
<i>Sports</i>	1 st sem, 2 nd sem	1,1

HORTICULTURE, Bachelor degree

Subject	Semester	Number of ECTS credits
<i>Topography</i>	1 st sem	5
<i>Horticultural botany</i>	1 st sem	5
<i>Informatics and computer techniques</i>	1 st sem	4
<i>Mathematics and Biostatistics</i>	1 st sem	4
<i>Microbiology</i>	1 st sem	5
<i>Pedology</i>	1 st sem	5
<i>English language / French language</i>	1 st sem, 2 nd sem	2,2
<i>Structural and metabolic biochemistry</i>	2 nd sem	4
<i>Biophysics and agrometeorology</i>	2 nd sem	4
<i>Energetic resources and horticultural machineries</i>	2 nd sem	4
<i>Horticultural botany</i>	2 nd sem	4
<i>Genetics</i>	2 nd sem	4
<i>Agrochemistry</i>	2 nd sem	4
<i>Horticultural fieldwork</i>	2 nd sem	4
<i>Ecology and environmental protection</i>	1 st sem	4
<i>Entomology</i>	1 st sem	4
<i>Phytopathology</i>	1 st sem	5
<i>Plant physiology</i>	1 st sem	5
<i>Floriculture I</i>	1 st sem	5
<i>English language / French language</i>	1 st sem	2
<i>Community agricultural policies</i>	1 st sem	5
<i>Horticultural plant physiology</i>	2 nd sem	5
<i>Horticultural phytopathology</i>	2 nd sem	4
<i>Horticultural entomology</i>	2 nd sem	4
<i>Floriculture II</i>	2 nd sem	5
<i>Agrophytotechnics</i>	2 nd sem	4
<i>Horticultural fieldwork</i>	2 nd sem	2
<i>Land improvement</i>	2 nd sem	4
<i>English language / French language</i>	2 nd sem	2
<i>Fruit Growing (General fruit growing, Fruit growing technologies)</i>	1 st sem, 2 nd sem	5,5
<i>Viticulture (General viticulture, Viticulture technologies)</i>	1 st sem, 2 nd sem	5,5
<i>Vegetable growing (General vegetable growing, Vegetable gardening technologies)</i>	1 st sem, 2 nd sem	5,5
<i>Experimental techniques in horticulture</i>	1 st sem	4
<i>Horticultural management</i>	1 st sem	4
<i>Horticultural fieldwork</i>	1 st sem	2
<i>Micropropagation of horticultural plants</i>	1 st sem	4
<i>Marketing of horticultural products</i>	2 nd sem	4
<i>Arboriculture and landscape architecture</i>	2 nd sem	5
<i>Horticultural fieldwork</i>	2 nd sem	2

<i>Agriculture cadastre</i>	2 nd sem	5
<i>Pomology</i>	1 st sem, 2 nd sem	5,4
<i>Ampelography</i>	1 st sem, 2 nd sem	5,5
<i>Special vegetable gardening</i>	1 st sem, 2 nd sem	5,4
<i>Oenology</i>	1 st sem, 2 nd sem	5,5
<i>Horticultural plant breeding</i>	1 st sem, 2 nd sem	4,3
<i>Technology of horticultural products</i>	1 st sem, 2 nd sem	4,4
<i>Horticultural fieldwor</i>	1 st sem	2
<i>Normative and technical regulations in agriculture</i>	2 nd sem	3
<i>Practice for license</i>	2 nd sem	2
<i>Sports</i>	1 st sem, 2 nd sem	1,1

ENVIRONMENTAL ENGINEERING, Bachelor degree

Subject	Semester	Number of ECTS credits
<i>Mathematics (Mathematical Analysis)</i>	1 st sem	4
<i>Physics (Electromagnetic and Optical Phaenomena)</i>	1 st sem	7
<i>Mechanics</i>	1 st sem	6
<i>Computer Programming and Programming Languages</i>	1 st sem	5
<i>Chemistry 1 (General and Analytic Chemistry)</i>	1 st sem	6
<i>English Language</i>	1 st sem, 2 nd sem	2,2
<i>Mathematics (Linear Algebra, Analytical and Differential Geometry)</i>	2 nd sem	4
<i>Thermodynamics</i>	2 nd sem	7
<i>Mechanical Engineering Elements</i>	2 nd sem	6
<i>Chemistry 2 (Organic Chemistry)</i>	2 nd sem	7
<i>Scientific Knowledge Theory</i>	2 nd sem	4
<i>Statistical Methods for Processing the Environmental Data</i>	1 st sem	4
<i>Electrotechnics</i>	1 st sem	4
<i>Environmental Chemistry (Chemical Processesin in the Environment and Pollution)</i>	1 st sem	6
<i>Physics 2 (Atomic and Nuclear)</i>	1 st sem	4
<i>Materials Science and Engineering</i>	1 st sem	6
<i>Fluid Mechanics and Hydraulics</i>	1 st sem	4
<i>English Language</i>	1 st sem, 2 nd sem	2,2
<i>Graphics on Computer</i>	2 nd sem	7
<i>Electronics</i>	2 nd sem	4
<i>Environmental Chemistry (Chemical Pollutants, Decontamination Methods)</i>	2 nd sem	5
<i>Technical and Manufacturing Practice</i>	2 nd sem	2
<i>Info-Graphics in Environmental Protection (IT)</i>	2 nd sem	5
<i>Physical Processes in Condensed State</i>	2 nd sem	5
<i>Environmental Quality Diagnoze and Monitoring</i>	1 st sem	6
<i>Soil Science</i>	1 st sem	5
<i>Physics and Pollution of the Atmosphere</i>	1 st sem	5
<i>General Ecology</i>	1 st sem	4
<i>Water Supplies and Sewers</i>	1 st sem	5
<i>Classical and Nuclear Energetics</i>	1 st sem	5
<i>Technical and Juridical Regulations in Environmental Protection</i>	2 nd sem	5
<i>Sources of Radiation and Protective Techiques</i>	2 nd sem	5
<i>Transfer Phaenomena and Unitary Operations</i>	2 nd sem	5
<i>Vibrations and Noise Pollutions</i>	2 nd sem	4
<i>Technical and Manufacturing Practice</i>	2 nd sem	2
<i>Meteorology and Climatology</i>	2 nd sem	4
<i>Waste Integrated Management</i>	2 nd sem	5

<i>Geology and Hydrogeology</i>	1 st sem	6
<i>Elements of Electrochemistry and Corrosion</i>	1 st sem	5
<i>Analysis and Syntesis of Technological Processes</i>	1 st sem	6
<i>Environmental Quality and Sustainable Growth</i>	1 st sem	4
<i>Topography</i>	1 st sem	5
<i>Regulatory Documents Elaboration Methodology</i>	1 st sem	4
<i>Uniconventional Energies</i>	2 nd sem	5
<i>Graduation License Practice</i>	2 nd sem	6
<i>Eco-ethics</i>	2 nd sem	5
<i>Bioengineering</i>	2 nd sem	5
<i>Nuclear Safety</i>	2 nd sem	5
<i>The Methodology of Developing Grants</i>	2 nd sem	4
<i>Sports</i>	1 st sem, 2 nd sem	1,1

GENERAL NURSING, Bachelor degree

Subject	Semester	Number of ECTS credits
<i>Human Anatomy 1-2</i>	1 st sem, 2 nd sem	4,4
<i>Normal and Pathological Physiology 1-2</i>	1 st sem, 2 nd sem	4,2
<i>Cell Biology and Genetics1-2</i>	1 st sem, 2 nd sem	2,2
<i>Medical Biochemistry</i>	1 st sem	2
<i>Medical Informatics</i>	1 st sem	4
<i>General Nursing 1-2</i>	1 st sem, 2 nd sem	12,7
<i>English language 1-2</i>	1 st sem, 2 nd sem	2,2
<i>Histology</i>	2 nd sem	2
<i>Medical Biophysics</i>	2 nd sem	2
<i>Dietetics</i>	2 nd sem	2
<i>Medical psychology</i>	2 nd sem	2
<i>Specialty Practice 1</i>	2 nd sem	2
<i>Behaviour Sciences</i>	2 nd sem	2
<i>Bacteriology, Virusology, Parasitology</i>	1 st sem	2
<i>Pathology and Dissection</i>	1 st sem	2
<i>Pharmacology</i>	1 st sem	3
<i>Internal Medicine- Semiology</i>	1 st sem	4
<i>Internal Medicine</i>	1 st sem	3
<i>Special Nursing 1,2</i>	1 st sem, 2 nd sem	7,9
<i>Personal Development</i>	2 nd sem	2
<i>Public Health</i>	2 nd sem	3
<i>Specialty Practice 2,3</i>	1 st sem, 2 nd sem	2.2
<i>Radiology-Imaging</i>	2 nd sem	3
<i>Hygiene (Prophylaxis Health Education)</i>	2 nd sem	3
<i>Orthopaedics and Traumatology</i>	2 nd sem	2
<i>Surgery-Semiology</i>	2 nd sem	2
<i>Urology</i>	2 nd sem	3
<i>Dermatology – Venerology</i>	2 nd sem	3
<i>Ethics and Legal Aspects of the Profession</i>	2 nd sem	3
<i>Medical communication</i>	2 nd sem	2
<i>Surgery</i>	1 st sem	4
<i>Child care -Pediatrics</i>	1 st sem	3
<i>Infectious Diseases</i>	1 st sem	3
<i>ER in ENT and Ophthalmology</i>	1 st sem	3
<i>ER in Neurology</i>	1 st sem	2
<i>Family Medicine and Community Nursing 1,2</i>	1 st sem, 2 nd sem	4.4
<i>Special Nursing</i>	1 st sem, 2 nd sem	7.7

<i>Orientation towards Profession</i>	1 st sem	2
<i>Specialty Practice 4,5</i>	1 st sem, 2 nd sem	2.2
<i>Obstetrics and Gynecology</i>	2 nd sem	4
<i>Mother and Child Care</i>	2 nd sem	3
<i>Anesthesiology and Intensive care</i>	2 nd sem	2
<i>Medical Sociology</i>	2 nd sem	2
<i>Care of the elderly - Geriatrics</i>	2 nd sem	2
<i>Psychiatry, Psychiatric Nursing</i>	2 nd sem	2
<i>Palliative Care</i>	2 nd sem	2
<i>Epidemiology</i>	1 st sem	2
<i>Oncology and Nursing in Oncology</i>	1 st sem	3
<i>Legal Medicine</i>	1 st sem	3
<i>Clinical Pharmacology</i>	1 st sem	3
<i>Community Nursing</i>	1 st sem	4
<i>Emergency Medicine</i>	1 st sem	4
<i>Special Nursing 5,6</i>	1 st sem, 2 nd sem	9.5
<i>Specialty Practice 6,7</i>	1 st sem, 2 nd sem	2.2
<i>Management of Health Services</i>	2 nd sem	3
<i>Endocrinology</i>	2 nd sem	3
<i>Home Care Services</i>	2 nd sem	4
<i>Principles of sanitary education</i>	2 nd sem	3
<i>Family Planning</i>	2 nd sem	2
<i>Social and Health Legislation</i>	2 nd sem	2
<i>Scientific Research Methodology</i>	2 nd sem	2
<i>Research Activities for Elaboration of Bachelor thesis</i>	2 nd sem	2
<i>Physical therapy in Rheumatic Diseases</i>	2 nd sem	2
<i>English language</i>	1 st sem, 2 nd sem	2.2
<i>Physical Education</i>	1 st sem, 2 nd sem	1.1

**KINETOTHERAPY (PHYSICAL THERAPY) AND SPECIAL MOTRICITY,
Bachelor degree**

Subject	Semester	Number of ECTS credits
<i>Theory of Physical Education and Sports</i>	1 st sem	4
<i>Basics of Football, applications in Physical Therapy</i>	1 st sem	4
<i>Basics of Volleyball, applications in Physical Therapy</i>	1 st sem	5
<i>Basics of Basketball, applications in Physical Therapy</i>	1 st sem	5
<i>Basics of Gymnastics</i>	1 st sem	5
<i>Anatomy and Biomechanics</i>	1 st sem	5
<i>English language / French language</i>	1 st sem, 2 nd sem	2.2
<i>Psychopedagogy</i>	2 nd sem	4
<i>Basics of Athletics</i>	2 nd sem	4
<i>Physiology</i>	2 nd sem	6
<i>Swimming and Aquatic Physical Therapy</i>	2 nd sem	5
<i>Assessment and Evaluation Physical Therapy</i>	2 nd sem	6
<i>Stage of Practical Applications in Mountain Environment</i>	2 nd sem	3
<i>Kinesiology</i>	1 st sem	5
<i>Education for General Health and First Aid</i>	1 st sem	6
<i>Basics of Handball, applications in Physical Therapy</i>	1 st sem	4
<i>Semiology</i>	1 st sem	6
<i>Methods of Scientific Research</i>	1 st sem	4
<i>Physical Therapy in Rehabilitation Centers</i>	1 st sem	3

<i>English language / French language</i>	1 st sem, 2 nd sem	2.2
<i>General Basis of Physical Therapy</i>	2 nd sem	6
<i>Massage and Complementary Massage Techniques</i>	2 nd sem	6
<i>Special Techniques for Patient Maneuvering</i>	2 nd sem	5
<i>Management and Marketing in Physical Therapy</i>	2 nd sem	3
<i>Physical Therapy in Centers for Social Assistance</i>	2 nd sem	3
<i>Secondary and Tertiary Kinetoprophyaxy</i>	2 nd sem	3
<i>Physical Therapy in Cardio-Respiratory Diseases</i>	1 st sem	4
<i>Physical Therapy in Ortho-traumatic Diseases with Sport Application</i>	1 st sem	5
<i>Physical Therapy in Gerontology</i>	1 st sem	6
<i>Physical Therapy in Rheumatic Diseases</i>	1 st sem	4
<i>Physical Therapy in Neurologic Diseases</i>	1 st sem	4
<i>Physical Therapy in Special Educational Units</i>	1 st sem	3
<i>Methods and Techniques for Muscle Toning</i>	1 st sem	4
<i>Elements of Physiotherapy</i>	2 nd sem	5
<i>Physical Therapy in Geriatrics</i>	2 nd sem	5
<i>Physical Therapy in Pediatrics</i>	2 nd sem	5
<i>Physical Therapy in Physical and Sensory Deficiencies</i>	2 nd sem	5
<i>Methods and Techniques of Neuro-Motor Rehabilitation</i>	2 nd sem	4
<i>Elements of Occupational Therapy</i>	2 nd sem	4
<i>Practical Using of Software in Physical Therapy</i>	2 nd sem	2

OCCUPATIONAL THERAPY, Bachelor degree

Subject	Semester	Number of ECTS credits
<i>Theoretical Fundaments, Models and Frames of Reference in Occupational Therapy</i>	1 st sem	5
<i>Fundamentals of Psychology</i>	1 st sem	5
<i>Reserch Methodology</i>	1 st sem	5
<i>Introduction to Neoropsychology</i>	1 st sem	5
<i>Anatomy and Biomechanics</i>	1 st sem	4
<i>Communication in Professional and Social Context</i>	1 st sem	2
<i>Health Education and First Aid</i>	1 st sem	4
<i>Process of Occupational Therapy</i>	2 nd sem	5
<i>Psychology of Human Development</i>	2 nd sem	3
<i>Social Psychology Applied in Occupational Therapy</i>	2 nd sem	5
<i>Physiology</i>	2 nd sem	5
<i>Medical Kinesiology</i>	2 nd sem	5
<i>Statistics applied in Occupational Therapy</i>	2 nd sem	4
<i>Applied Occupational Therapy 1</i>	2 nd sem	2
<i>Personal Development</i>	2 nd sem	1
<i>Occupation and Human Performance</i>	1 st sem	5
<i>Evaluation in Occupational Therapy</i>	1 st sem	5
<i>Psychopathology</i>	1 st sem	5
<i>Pathophysiology</i>	1 st sem	5
<i>Occupational Therapy in Health services</i>	1 st sem	3
<i>Applied Occupational Therapy 2</i>	1 st sem	2
<i>Occupational Therapy in Leisure Activities</i>	1 st sem	5
<i>Occupational Therapy in Pediatrics</i>	2 nd sem	5

<i>Occupational Therapy in School Environment</i>	2 nd sem	4
<i>Occupational Therapy for Adults with Chronic Diseases</i>	2 nd sem	4
<i>Methodology of Environmental adaptation</i>	2 nd sem	4
<i>Occupational Therapy in Mental Health</i>	2 nd sem	4
<i>Applied Occupational Therapy 3</i>	2 nd sem	2
<i>Occupational Therapy for Street, Abused and Abandoned Children</i>	2 nd sem	3
<i>Massage</i>	2 nd sem	4
<i>Ethics and Deontology in Occupational Therapy</i>	1 st sem	3
<i>Occupational Therapy in Gerontology and Geriatrics</i>	1 st sem	4
<i>Occupational Therapy for Persons with Physical Disabilities</i>	1 st sem	4
<i>Occupational Therapy in Sensory and Mental Deficiencies</i>	1 st sem	4
<i>Occupational Therapy in Infantile Neuropsychiatry</i>	1 st sem	4
<i>Occupational Therapy for Persons Deprived of Liberty or Under probation</i>	1 st sem	4
<i>Applied Occupational Therapy 4,5</i>	1 st sem, 2 nd sem	3.3
<i>Occupational Therapy for Persons with Pervasive Disorders and Learning Difficulties</i>	2 nd sem	4
<i>Management of Occupational Therapy Services</i>	2 nd sem	5
<i>Occupational Therapy in Home Services</i>	2 nd sem	5
<i>Applications of Occupational Therapy in Community</i>	2 nd sem	5
<i>Prosthetic and Orthotic</i>	2 nd sem	4
<i>Adaptations to the Physical Environment in Self-Care Activities</i>	2 nd sem	4
<i>Career Counselling to Persons with Special Needs</i>	2 nd sem	4
<i>English</i>	1 st sem, 2 nd sem	2.2
<i>ports</i>	1 st sem, 2 nd sem	1.1

FIELD: PHYSICAL EDUCATION AND SPORT

PHYSICAL EDUCATION AND SPORT, Bachelor degree

Subject	Semester	Number of ECTS credits
<i>Theory of physical education and sports</i>	1 st sem	5
<i>Basic gymnastics</i>	1 st sem	5
<i>Scientific fundamental of sports games - handball</i>	1 st sem	5
<i>Scientific fundamental of sports games – basketball</i>	1 st sem	5
<i>Functional anatomy</i>	1 st sem	3
<i>Theory and practice in sports expression</i>	1 st sem	3
<i>Alpine skiing</i>	1 st sem	4
<i>General bases of athletics</i>	2 nd sem	5
<i>Scientific fundamental of sports games – volleyball</i>	2 nd sem	5
<i>Methodology of physical education and sports</i>	2 nd sem	5
<i>Theory and practice water sports – swimming</i>	2 nd sem	4
<i>Physiology</i>	2 nd sem	5
<i>Practical applications of water sport disciplines</i>	2 nd sem	2
<i>Use of specialized software EFS</i>	2 nd sem	3
<i>Foreign language</i>	2 nd sem	1
<i>Kinethology</i>	1 st sem	5
<i>Psychopedagogy</i>	1 st sem	5
<i>Theory and practice in combat sports – Judo</i>	1 st sem	5
<i>Theory and practice in the branches of gymnastics – Acrobatic gymnastics</i>	1 st sem	5
<i>Practices and methodologies motric activities on age groups</i>	1 st sem	3
<i>Communicate in EFS</i>	1 st sem	2

<i>Winter sports application</i>	1 st sem	2
<i>History of physical education and sports</i>	1 st sem	2
<i>Foreign language</i>	1 st sem	1
<i>Methodology of teaching gymnastics in school</i>	2 nd sem	4
<i>Scientific fundamentals of sports games – football</i>	2 nd sem	5
<i>Methodology of teaching volleyball in school</i>	2 nd sem	4
<i>Education for health and first aid</i>	2 nd sem	5
<i>Theory and practice in other sports branches - tennis</i>	2 nd sem	3
<i>Research methods in EFS</i>	2 nd sem	2
<i>Theory and practice athleticism</i>	2 nd sem	4
<i>Stage of practice in tourism activities</i>	2 nd sem	3
<i>Evaluation motric and somato-functional</i>	1 st sem	5
<i>Methodology of teaching basketball in school</i>	1 st sem	4
<i>Methodology of teaching handball in school</i>	1 st sem	4
<i>Methodology of teaching football in school</i>	1 st sem	4
<i>Motric leisure activities (bodybuilding, jogging, sports orientation)</i>	1 st sem	3
<i>Management applied to EFS</i>	1 st sem	3
<i>Specific applications in education institutions</i>	1 st sem	4
<i>Preparation stage and development of the diploma paper</i>	1 st sem	3
<i>Theory and practice of rhythmic gymnastics</i>	2 nd sem	3
<i>Corporal expression and eurhythmmy</i>	2 nd sem	3
<i>Adapted physical activities</i>	2 nd sem	3
<i>Motric leisure activities (climbing, rafting)</i>	2 nd sem	3
<i>Aerobic gymnastics for maintenance</i>	2 nd sem	3
<i>Fitness</i>	2 nd sem	3
<i>Methodology of teaching athleticism in school</i>	2 nd sem	3
<i>Muscle development</i>	2 nd sem	2
<i>Sports base arrangements</i>	2 nd sem	2
<i>Techniques of defense</i>	2 nd sem	2
<i>Stage of practice in the base agreement</i>	2 nd sem	3

SPORT AND PERFORMANCE MOTRIC, Bachelor Degree

Subject	Semester	Number of ECTS credits
Theory of physical education and sports	1 st sem	5
Basic gymnastics	1 st sem	5
Scientific fundamentals of sports games – handball	1 st sem	5
Scientific fundamentals of sports games – basketball	1 st sem	5
Functional anatomy	1 st sem	3
Theory and practice in sports expression – dance sport	1 st sem	3
<i>Theory and practice winter sports – alpine skiing</i>	1 st sem	4
<i>General bases of athletics</i>	2 nd sem	5
<i>Scientific fundamentals of sports games – volleyball</i>	2 nd sem	5
<i>Methodology and physical education in sports</i>	2 nd sem	5
<i>Theory and practice water sports – Swimming</i>	2 nd sem	4
<i>Physiology</i>	2 nd sem	5
<i>Practical applications of water sports disciplines</i>	2 nd sem	2
<i>Use specialized software EFS</i>	2 nd sem	3
<i>Foreign language</i>	2 nd sem	1
<i>Kinethology</i>		5
<i>Psychopedagogy</i>	1 st sem	5
<i>Theory and practice in combat sports</i>	1 st sem	5
<i>Theory and practice in the branches of gymnastics – acrobatic gymnastics</i>	1 st sem	5

<i>Sport efforts physiology</i>	1 st sem	3
<i>Communicate in EFS</i>	1 st sem	2
<i>Winter sports applications</i>	1 st sem	2
<i>History of physical education and sports</i>	1 st sem	2
<i>Foreign language</i>	1 st sem	1
<i>General bases of sports training</i>	2 nd sem	5
<i>Techniques and methods for developing motric abilities</i>	2 nd sem	4
<i>Education for health and first aid</i>	2 nd sem	4
<i>Research methods in EFS</i>	2 nd sem	2
<i>Theory and practice in other sports branches – tennis</i>	2 nd sem	3
<i>Stage of practice in sport structures</i>	2 nd sem	3
<i>Theory and practice athleticism</i>	2 nd sem	4
<i>Scientific fundamentals of sports games – football</i>	2 nd sem	5
<i>Evaluation motric and somato-functional</i>	1 st sem	5
<i>Equipment, apparatus and installations used in sport</i>	1 st sem	2
<i>Sport psychology</i>	1 st sem	3
<i>Methodology training by sport branches – handball</i>	1 st sem	5
<i>Recovery within the sport activities</i>	1 st sem	4
<i>Methodological routing capabilities driving by sport – handball</i>	1 st sem	3
<i>Management applied to EFS</i>	1 st sem	3
<i>Applications methodological at the level sporting initiations</i>	1 st sem	2
<i>Preparation stage and development of the diploma paper</i>	1 st sem	3
<i>Methodology training by sport branches – handball</i>	2 nd sem	5
<i>Techniques for monitoring the sport performance</i>	2 nd sem	5
<i>Applications methodological specific actions and sporting events</i>	2 nd sem	2
<i>Competition theory</i>	2 nd sem	4
<i>Muscle development</i>	2 nd sem	3
<i>The biomechanics of sport</i>	2 nd sem	3
<i>Training and competition in adapted sports</i>	2 nd sem	3
<i>Ethics and deontology in EFS</i>	2 nd sem	2
<i>Theory and practice of rhythmic gymnastics</i>	2 nd sem	3

FIELD: MATHEMATICS AND COMPUTER SCIENCE

COMPUTER SCIENCE, Bachelor degree

<i>Subject</i>	<i>Semester</i>	<i>Number of ECTS credits</i>
<i>Algebra for Computer Applications</i>	1 st sem	6
<i>Mathematical Analysis</i>	1 st sem	6
<i>Computational Logic</i>	1 st sem	4
<i>Procedural Programming</i>	1 st sem	6
<i>Algorithms and Data Structures</i>	1 st sem	4
<i>Architecture of Computing Systems</i>	1 st sem	4
<i>Databases</i>	2 nd sem	6
<i>Analytical and Computational Geometry</i>	2 nd sem	6
<i>Graph Algorithms</i>	2 nd sem	6
<i>Object Oriented Programming</i>	2 nd sem	6
<i>Computer Graphics</i>	2 nd sem	3
<i>Calculability and Complexity of Calculus</i>	2 nd sem	3
<i>Management Systems of Databases</i>	1 st sem	6
<i>Non-imperative Programming</i>	1 st sem	6
<i>Differential Equations and Dynamical Systems</i>	1 st sem	5

<i>Formal Languages and Automatic</i>	1 st sem	4
<i>Designing and Implementing Algorithms</i>	1 st sem	6
<i>Semantics of Programs</i>	1 st sem	3
<i>Advanced Programming Techniques</i>	2 nd sem	5
<i>Probability and Mathematical Statistics</i>	2 nd sem	5
<i>Computer Networks</i>	2 nd sem	5
<i>Professional Practice</i>	2 nd sem	4
<i>Object Oriented Analysis and Design</i>	2 nd sem	3
<i>Verification and Validation Programs Systems</i>	2 nd sem	3
<i>Neural Networks</i>	2 nd sem	5
<i>Numerical Calculus</i>	1 st sem	6
<i>Simulation Techniques</i>	1 st sem	3
<i>Software Engineering</i>	1 st sem	6
<i>Operating Systems</i>	1 st sem	3
<i>Preparation for elaboration of Undergraduate Thesis</i>	1 st sem	2
<i>Data Mining Techniques</i>	1 st sem	3
<i>Specification of Programs Systems</i>	1 st sem	3
<i>Real Analysis: Measure Theory</i>	1 st sem	4
<i>Artificial Intelligence</i>	2 nd sem	4
<i>WEB Applications Development</i>	2 nd sem	4
<i>Advanced Methods For Data Processing</i>	2 nd sem	7
<i>Project Management</i>	2 nd sem	4
<i>Operational Research</i>	2 nd sem	7
<i>Probabilistic Theory Of Information Transmission And Processing</i>	2 nd sem	4
<i>Physical Education I, II</i>	1 st /2 nd	1
<i>English Language I, II</i>	1 st /2 nd	2
<i>Physical Education III, IV</i>	1 st /2 nd	1
<i>English Language III, IV</i>	1 st /2 nd	2

MATHEMATICS, Bachelor Degree

<i>Subject</i>	<i>Semester</i>	<i>Number of ECTS credits</i>
Mathematical Analysis I	1 st sem	6
Algebra I	1 st sem	6
Architecture of Computing Systems	1 st sem	4
Algorithms and Data Structures	1 st sem	4
Procedural Programming	1 st sem	6
Computational Logic	1 st sem	4
<i>Analytical and Computational Geometry</i>	2 nd sem	6
<i>Databases</i>	2 nd sem	6
<i>Graph Algorithms</i>	2 nd sem	6
<i>Mathematical Analysis II</i>	2 nd sem	6
<i>Algebra II</i>	2 nd sem	6
<i>Differential Equations</i>	1 st sem	6
<i>Mathematical Analysis III</i>	1 st sem	6
<i>Designing and Implementing Algorithms</i>	1 st sem	6
<i>Complex Analysis</i>	1 st sem	6
<i>Real Analysis: Measure Theory</i>	1 st sem	6
<i>Probability theory</i>	2 nd sem	6
<i>Theoretical Mechanics</i>	2 nd sem	6
<i>Partial Differential Equations</i>	2 nd sem	6
<i>Functional Analysis</i>	2 nd sem	6
<i>Differential Geometry</i>	2 nd sem	6
<i>Numerical Calculus</i>	1 st sem	6

<i>Real Analysis III</i>	1 st sem	6
<i>Groups Theory</i>	1 st sem	6
<i>Formal Languages and Automata</i>	1 st sem	4
<i>Preparation for elaboration of Undergraduate Thesis</i>	1 st sem	2
<i>Computational Algebra</i>	1 st sem	6
<i>History of Mathematics</i>	2 nd sem	6
<i>Theory of numbers</i>	2 nd sem	6
<i>Actuarial Mathematics</i>	2 nd sem	6
<i>Operational Research</i>	2 nd sem	6
<i>Neural Networks</i>	2 nd sem	6
<i>Physical Education I, II</i>	1 st /2 nd	1
<i>French Language I,II</i>	1 st /2 nd	2
<i>Physical Education III, IV</i>	1 st /2 nd	1
<i>French Language III, IV</i>	1 st /2 nd	2