

Annex to the University of Žilina Erasmus+ information sheet
Academic year 2016/2017

List of courses offered to Erasmus exchange students

Faculty of Operation and Economics of Transport and Communications

Erasmus+ contacts

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<http://www.fpedas.uniza.sk/en/zahranicne-aktivity-2/lp-erasmus/studijne-pobyty/programme-rules>

Faculty of Mechanical Engineering

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Degree Bc

WINTER SEMESTER			
SUBJECT	DEPARTMENT	CODE	CREDIT
Automation of Technological Processes	Department of Automation and Production Systems	2A010	4
Thermomechanics	Department of Power Engineering	2A019	5
Machine Building	Department of Design and Machine Elements	2A022	6
Technical Chemistry	Department of Materials Engineering	2A024	4
Quality of Material Checking	Department of Materials Engineering	2A025	4

SUMMER SEMESTER			
SUBJECT	SUBJECT	SUBJECT	SUBJECT
Mechanics of Materials I	Department of Applied Mechanics	2A005	7
Automotive Engines 1	Department of Automotive Technology	2A008	7
Robots and Manipulators	Department of Automation and Production Systems	2A014	4

Transportation Systems	The Department of Transport Technique and Handling Equipment	2A016	2
Alternative Energy Sources	Department of Power Engineering	2A018	7
Applied Tribology	Department of Design and Machine Elements	2A020	5
CAD Systems	Department of Design and Machine Elements	2A021	3
Materials Science	Department of Materials Engineering	2A023	5

Degree MsC

WINTER SEMESTER			
SUBJECT	DEPARTMENT	CODE	CREDIT
Applied Mathematics 3	Department of Applied Mathematics	2A001	6
Experimental Methods in Mechanics	Department of Applied Mechanics	2A002	6
Finite Element Method I	Department of Applied Mechanics	2A003	5
Mechanics of Materials II	Department of Applied Mechanics	2A006	6
Automotive Engines 2	Department of Automotive Technology	2A009	5
CA Systems and Technologies	Department of Automation and Production Systems	2A011	5
Expert Systems for Production Technologies	Department of Automation and Production Systems	2A012	4
Manufacturing Machines and Robots Programming	Department of Automation and Production Systems	2A013	5
Maintenance Systems	The Department of Transport Technique and Handling Equipment	2A015	5
Theory of Rail Vehicles	The Department of Transport Technique and Handling Equipment	2A017	6
Fatigue of Materials	Department of Materials Engineering	2A026	6
Methods of Structure Analysis	Department of Materials Engineering	2A027	6
Corrosion and Surface Treatment	Department of Materials Engineering	2A029	5
Theory of Cutting	Department of Machining and Manufacturing Engineering	2A031	6
Operational Management	Department of Industrial Engineering	2A032	6
Investment Casting Technology II	Department of Technological Engineering	2A035	6
Foreign language	Institute of Foreign Languages	2A038	6

SUMMER SEMESTER			
SUBJECT	DEPARTMENT	CODE	CREDIT
Finite Element Method II	Department of Applied Mechanics	2A004	5
Ergonomics and ecology of means of transport	Department of Automotive Technology	2A007	6
Fractography	Department of Materials Engineering	2A028	6
Machining of Hard-to-machine Materials	Department of Machining and Manufacturing Engineering	2A030	5
Purchasing and Distribution Logistics	Department of Industrial Engineering	2A033	4
Investment Casting Technology I	Department of Technological Engineering	2A034	6
Diploma project	All departments	2A036	30
Noise and Vibrations	Department of Transport and Handling machines	2A037	6
Foreign language	Institute of Foreign Languages	2A039	6

Faculty of Electrical Engineering

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Code / Title of Course	Credits	Study programme	Degree	Year/Semester	Department
3B0101 Electrical Circuits 1	6	All study programmes	Bc.	1./1.	DEBE
3B0103 Introduction to Physics	5	All study programmes	Bc.	1./1.	DPh
3B0102 Algorithmisation and programming	6	Automation	Bc.	1./1.	DCIS
3B0202 Physics 1	7	All study programmes	Bc.	1./2.	DPh
3B0201 Electrical Circuits 2	5	All study programmes	Bc.	1./2.	DEBE
3B0203 Programming in C++	5	Automation	Bc.	1./2.	DCIS
3B0207 Enterprise management and economy	2	Electrical Engineering	Bc.	1./2.	DPES
3B0204 Measurement and Measuring Systems	5	All study programmes	Bc.	1./2.	DMAEE
3B0212 Communication technologies 1	5	Telecommunications Multimedia Technologies	Bc.	1./2.	DTM
31303 Physics 2	5	All study programmes	Bc.	2./1.	DPh
31307 Computer Modelling of Real Process	3	All study programmes	Bc.	2./1.	DPh
3B0301 Electrical Circuits 3	7	All study programmes	Bc.	2./1.	DEBE
3BXXXX Theory of information and signals	5	Automation	Bc.	2./1.	DCIS
3BXXXX Information and communication networks	3	Automation	Bc.	2./1.	DCIS
3B0316 Communication technologies 2	5	Telecommunications Multimedia Technologies	Bc.	2./1.	DTM
3B7402 Communication technologies 3	5	Telecommunications	Bc.	2./1.	DTM
3B0310 Introduction to signals and systems	4	Telecommunications Multimedia Technologies	Bc.	2./1.	DTM
3B3401 Electromagnetic Field	6	Biomedical Engineering	Bc.	2./2.	DEBE
3B3400 Sensors and Measuring Methods in Biomedicine	5	Biomedical Engineering	Bc.	2./2.	DEBE
3B3402 Programming Languages- MATLAB	5	Biomedical Engineering	Bc.	2./2.	DEBE
3BXXXX Theory of automatic control	6	Automation	Bc.	2./2.	DCIS
3BXXXX Distributed control systems	6	Automation	Bc.	2./2.	DCIS
3BXXXX Sensor Technology	6	Automation	Bc.	2./2.	DCIS
3BXXXX Technical Background of Computers	3	Automation	Bc.	2./2.	DCIS
3B0409 Transmission media	5	Multimedia Technologies	Bc.	2./2.	DTM
3B7400 Analog circuit systems 1	5	Telecommunications	Bc.	2./2.	DTM
3B0408 JAVA - language and applications development	5	Telecommunications Multimedia Technologies	Bc.	2./2.	DTM
3B7404 Computer networks 1	5	Telecommunications	Bc.	2./2.	DTM
31114 Optics for photonics	5	All study programmes	Bc.	2./2.	DPh
3B6402 Studio technology	5	Multimedia Technologies	Bc.	2./2.	DTM

Electronics 1	5	All study programmes	Bc.	2./3.	DME
Autotronics	5	Autotronics	Bc.	2./3.	DME
Simulation languages in power electronics	4	All study programmes	Bc.	2./3.	DME
3B0405 Electrical machines	7	Electrical Engineering	Bc.	2./4.	DPES
3B0415 Design of electrical wiring	6	Electrical Engineering	Bc.	2./4.	DPES
3B5402 Introduction to electric drives	6	Electrical Engineering	Bc.	2./4.	DPES
3B5404 Electrical machines in English 1	2	Electrical Engineering	Bc.	2./4.	DPES
Electronics 2	5	All study programmes	Bc.	2./4.	DME
Microprocessor systems	6	Autotronics	Bc.	2./4.	DME
Mechatronics	6	Autotronics	Bc.	2./4.	DME
31213 Design and Construction of Medical Devices	5	Biomedical Engineering	Bc.	3./1.	DEBE
31543 Wave Processing in Biomedicine	5	Biomedical Engineering	Bc.	3./1.	DEBE
31521 Communication Security	6	Automation	Bc.	3./1.	DCIS
31534 Single-chip controllers programming	6	Automation	Bc.	3./1.	DCIS
31536 Sensor Technology	6	Automation	Bc.	3./1.	DCIS
Sensors for Technical Practice	6	Electrical Engineering	Bc.	3./1.	DMAEE
3B0507 Electroacoustic	5	Multimedia Technologies	Bc.	3./1.	DTM
31313 Television technology	5	Multimedia Technologies	Bc.	3./1.	DTM
3B0510 Design of multimedia WEB pages 1	5	Multimedia Technologies	Bc.	3./1.	DTM
31431 Vector graphic and typography	5	Multimedia Technologies	Bc.	3./1.	DTM
3B7501 Analog circuit systems 2	6	Telecommunications	Bc.	3./1.	DTM
3B7504 Computer networks 2	5	Telecommunications	Bc.	3./1.	DTM
3B7503 Radiocommunication systems	4	Telecommunications	Bc.	3./1.	DTM
31112 Introduction to photonics	4	All study programmes	Bc.	3./1.	DPh
31623 Programming of control systems	5	Automation	Bc.	3./2.	DCIS
31113 Introduction to fibre optics	5	All study programmes	Bc.	3./2.	DPh
31500 Electrical apparatus	6	Electrical Engineering	Bc.	3./5.	DPES
31507 Electric Power Systems 1	6	Electrical Engineering	Bc.	3./5.	DPES
31501 Electrical traction 1	6	Electrical Engineering	Bc.	3./5.	DPES
31512 Electric drives 1	6	Electrical Engineering	Bc.	3./5.	DPES
31509 Selected topics of electrical machines	6	Electrical Engineering	Bc.	3./5.	DPES
31514 Electrical machines in English 2	3	Electrical Engineering	Bc.	3./5.	DPES
31559 Application of digital signal processors 1	3	Electrical Engineering	Bc.	3./5.	DPES
31610 Electric Power Systems 2	6	Electrical Engineering	Bc.	3./5.	DPES
31502 Power electronics	6	Electrical Engineering	Bc.	3./5.	DME
31511 Microprocessor technology	6	Electrical Engineering	Bc.	3./5.	DME
31528 Multimedia technology	3	Electrical Engineering	Bc.	3./5.	DME
31552 Computer and office technology	3	Electrical Engineering	Bc.	3./5.	DME
31556 Mechatronics	6	Electrical Engineering	Bc.	3./5.	DME
31615 Quality management	4	Electrical Engineering	Bc.	3./6.	DPES
31608 Electric drives 2	6	Electrical Engineering	Bc.	3./6.	DPES
32413 Basics of project documentation creating	2	Electrical Engineering	Bc.	3./6.	DPES
31563 Design of electronic equipment	4	Electrical Engineering	Bc.	3./6.	DME
31628 Power semiconductor systems	6	Electrical Engineering	Bc.	3./6.	DME
31632 Application of digital signal processors 2	3	Electrical Engineering	Bc.	3./6.	DPES

3I0101 Advanced Methods of Automatic Control	7	Process Control Applied Telematics	MSc.	1./1.	DCIS
3I0102 Communication Networks	6	Process Control Applied Telematics	MSc.	1./1.	DCIS
3I0103 Theory of signal processing in process control	6	Process Control Applied Telematics	MSc.	1./1.	DCIS
3I0104 Elements in railway interlocking and signalling systems	6	Process Control Applied Telematics	MSc.	1./1.	DCIS
3I2100 Medical Electronics	7	Biomedical Engineering	MSc.	1./1.	DEBE
3I2101 Modelling and Simulation of Electronic Circuits and Systems in Biomedicine	6	Biomedical Engineering	MSc.	1./1.	DEBE
3I2102 Compatibility of Biological and Technical Systems	6	Biomedical Engineering	MSc.	1./1.	DEBE
Modelling of electromagnetic field	5	Power Electronic Systems Telecommunication and Radiocommunication Engineering	MSc.	1./1.	DMAEE
3I6101 Radiocommunication networks (RS)	5	Multimedia Engineering	MSc.	1./1.	DTM
3I0112 Signals and communications systems	6	Telecommunication and Radiocommunication Engineering Multimedia Engineering	MSc.	1./1.	DTM
3I8104 Electromagnetic waves propagation and antennas	6	Telecommunication and Radiocommunication Engineering	MSc.	1./1.	DTM
3I6103 Room acoustics	5	Multimedia Engineering	MSc.	1./1.	DTM
3I6104 Multimedia WEB pages design	5	Multimedia Engineering	MSc.	1./1.	DTM
3I5100 Physics of materials and structures	6	All study programmes	MSc.	1./1.	DPh
3I3101 Control of electric drives 1 (REP1)	6	Electric Drives	MSc.	1./1.	DPES
3I3100 Analysis of electrical machines (AES)	6	Electric Drives	MSc.	1./1.	DPES
3I4101 Transients in power systems	7	Electric Power Systems	MSc.	1./1.	DPES
3I4102 Power plants	6	Electric Power Systems	MSc.	1./1.	DPES
3I4103 Electric Substations	6	Electric Power Systems	MSc.	1./1.	DPES
3I0108 Microprocessors, microcomputers & DSP	7	Power Electronic Systems	MSc.	1./1.	DME
3I9102 Computers in industrial automation 2	5	Power Electronic Systems	MSc.	1./1.	DME
3I9103 Dynamics of vehicle movement	5	Power Electronic Systems	MSc.	1./1.	DME
3I9105 Simulation languages in power electronics	5	Power Electronic Systems	MSc.	1./1.	DME
3I0201 Safe system communication	6	Process Control Applied Telematics	MSc.	1./2.	DCIS
3I0202 Safety analysis of Control Systems	7	Process Control Applied Telematics	MSc.	1./2.	DCIS
3I0203 Artificial intelligence 1	5	Process Control Applied Telematics	MSc.	1./2.	DCIS
3I0204 Higher programming languages applications	6	Process Control Applied Telematics	MSc.	1./2.	DCIS
3I0205 Railway Interlocking and Signalling Systems	6	Process Control Applied Telematics	MSc.	1./2.	DCIS
3I2200 Information Systems in Medicine	6	Biomedical Engineering	MSc.	1./2.	DEBE
3I2201 Technical Means in Medicine	7	Biomedical Engineering	MSc.	1./2.	DEBE
3I2202 Acquisition and Analysis of Biopotentials	6	Biomedical Engineering	MSc.	1./2.	DEBE
3I2203 Artificial Intelligence in Biomedicine	6	Biomedical Engineering	MSc.	1./2.	DEBE
3I2204 Fundamentals of Ecology	5	Biomedical Engineering	MSc.	1./2.	DEBE
3I8201 Radiocommunication systems and networks 1	6	Telecommunication and Radiocommunication Engineering	MSc.	1./2.	DTM

3I0214,3I0309 Digital audio processing	6	Telecommunication and Radiocommunication Engineering Multimedia Engineering	MSc.	1./2.	DTM
3I8200 Higher - programming languages	6	Telecommunication and Radiocommunication Engineering	MSc.	1./2.	DTM
3I6200 Digital television	6	Multimedia Engineering	MSc.	1./2.	DTM
3I6204 3D applications design	6	Multimedia Engineering	MSc.	1./2.	DTM
3I5200 Semiconductor and semiconductor structures	6	All study programmes	MSc.	1./2.	DPh
3I5201 Sources and detectors of radiation	6	All study programmes	MSc.	1./2.	DPh
3I0218 Optical sensors	5	All study programmes	MSc.	1./2.	DPh
3I5202 Waveguide optics	6	All study programmes	MSc.	1./2.	DPh
3I3211 Electrical machines for special purposes (ŠES)	6	Electric Drives	MSc.	1./2.	DPES
3I3200 Control of electric drives 2 (REP2)	6	Electric Drives	MSc.	1./2.	DPES
3I0213 Power system modelling	4	Electric Power Systems	MSc.	1./2.	DPES
3I4200 Power system control	8	Electric Power Systems	MSc.	1./2.	DPES
3I4201 Renewable energy sources	6	Electric Power Systems	MSc.	1./2.	DPES
3I4202 Protective relaying	7	Electric Power Systems	MSc.	1./2.	DPES
3I0210 Power semiconductor converters	7	Power Electronic Systems	MSc.	1./2.	DME
3I0217 Design of custom integrated circuits (ASICs)	5	Power Electronic Systems	MSc.	1./2.	DME
3I0212 Traction batteries and recharging infrastructure	6	Power Electronic Systems	MSc.	1./2.	DME
3I0219 Virtual instrumentation	6	Power Electronic Systems	MSc.	1./2.	DME
3I9200 Analysis and synthesis of power electronic circuits	6	Power Electronic Systems	MSc.	1./2.	DME
3I9201 Mechatronic systems	6	Power Electronic Systems	MSc.	1./2.	DME
3I0215 Discrete signals processing	6	Telecommunication and Radiocommunication Engineering Multimedia Engineering	MSc.	1./S	DTM
3I7100 Control systems with safety PLC	6	Process Control	MSc.	1./1.	DCIS
3IXXXX Artificial intelligence 2	7	Process Control Applied Telematics	MSc.	2./1.	DCIS
3IXXXX Object oriented system development	7	Process Control	MSc.	2./1.	DCIS
3IXXXX Applications of Railway Interlocking and Signalling Systems	6	Process Control	MSc.	2./1.	DCIS
3IXXXX Information systems security	6	Process Control	MSc.	2./1.	DCIS
3I2300 Biomedical Image Processing	6	Biomedical Engineering	MSc.	2./1.	DEBE
3I2301 Signal Processing in Medicine	7	Biomedical Engineering	MSc.	2./1.	DEBE
3I8301 Radiocommunication systems and networks 2	6	Telecommunication and Radiocommunication Engineering	MSc.	2./1.	DTM
3I8306 Microwave systems	8	Telecommunication and Radiocommunication Engineering	MSc.	2./1.	DTM
3I6300 Multimedia signals distribution	4	Multimedia Engineering	MSc.	2./1.	DTM
3I0312 Laser and laser systems	6	All study programmes	MSc.	2./1.	DPh
3I0309 Applied optics and light technique	6	All study programmes	MSc.	2./1.	DPh
3I5301 Integrated optics and optoelectronics	5	All study programmes	MSc.	2./1.	DPh
Power Quality	8	Electric Power Systems	MSc.	2./1.	DPES
Power System Calculations	6	Electric Power Systems	MSc.	2./1.	DPES
Information Systems used in Electric Power Systems Operation	5	Electric Power Systems	MSc.	2./1.	DPES
3IXXXX Automatic identification	5	Process Control	MSc.	2./2.	DCIS

3IXXXX Security Systems	5	Process Control	MSc.	2./2.	DCIS
3IXXXX Robotic systems	5	Process Control	MSc.	2./2.	DCIS
3I0409 Trends in ICT	3	Telecommunication and Radiocommunication Engineering Multimedia Engineering	MSc.	2./2.	DTM
Sensorless control of electric drives (BREP)	7	Electric Drives	MSc.	2./3.	DPES
Discrete control of electric drives (DREP)	7	Electric Drives	MSc.	2./3.	DPES
Electric Traction	6	Electric Drives	MSc.	2./3.	DPES
Design and construction of power semiconductor systems	8	Power Electronic Systems	MSc.	2./3.	DME
Electric transfer of HEV and EV vehicles power	5	Power Electronic Systems	MSc.	2./3.	DME
Application of power electronics	5	Power Electronic Systems	MSc.	2./3.	DME
Logic circuits	5	Power Electronic Systems	MSc.	2./3.	DME
Control systems of EV and HEV vehicles	5	Power Electronic Systems	MSc.	2./3.	DME
Discrete control of power systems	6	Power Electronic Systems	MSc.	2./4.	DME
Economic aspects of electromobility	6	Power Electronic Systems	MSc.	2./4.	DME

Faculty of Civil Engineering

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Degree Bc. Main subjects

WINTER SEMESTER

Subject	Department	Code	Credits	Info sheet
Mathematics I.	Dept. of Structural Mechanics and Applied Mathematics	40B101	7	detail
Descriptive Geometry	Dept. of Structural Mechanics and Applied Mathematics	40B102	5	detail
Building Materials	Dept. of Structures and Bridges	40B103	5	detail
Geology	Dept. of Geotechnics	40B104	5	detail
Urbanism and Landscape Planning I.	Dept. of Building Engineering and Urban Planning	40B118	5	detail
Structural Mechanics I A.	Dept. of Structural Mechanics and Applied Mathematics	40B302	5	detail
Theory of Elasticity I.	Dept. of Structural Mechanics and Applied Mathematics	40B304	6	detail
Geomechanics	Dept. of Geotechnics	40B305	5	detail
Chapters from building constructions I	Dept. of Building Engineering and Urban Planning	40B313	5	detail
Economy of Civil Engineering I.	Dept. of Technology and Constr. management	40B301	5	detail
Engineering Geology I.	Dept. of Geotechnics	40B529	5	detail
Traffic Engineering I.	Dept. of Technology and Constr.	40B513	5	detail

	management			
Road Engineering I.	Dept. of Highway Eng.	40B509	5	detail
Railway Engineering I.	Dept. of Railway Eng. and Track Management	40B510	5	detail
Semestral Work Road/Railway Str.	Dept. of Highway Eng./ Railway Eng. and Track Management	40B614	3	detail

SUMMER SEMESTER

Mathematics II.	Dept. of Structural Mechanics and Applied Mathematics	40B201	7	detail
Physics	Dept. of Physics, FE	40B202	5	detail
Hydromechanics and Hydrology	Dept. of Geotechnics	40B206	5	detail
Statics of Structures I A.	Dept. of Structural Mechanics and Applied Mathematics	40B220	7	detail
Foundations I.	Dept. of Geotechnics	40B404	5	detail
Steel Structures I.	Dept. of Structures and Bridges	40B401	5	detail
Concrete Structures I.	Dept. of Structures and Bridges	40B402	5	detail
Geodesy I.	Dept. of Geodesy	40B411	5	detail
Semestral Work Concr./Steel Str.	Dept. of Structures and Bridges	40B406	3	detail
Building Technology I.	Dept. of Technology and Constr. management	40B625	4	detail
Bridges	Dept. of Structures and Bridges	40B618	4	detail
Construction Managements I.	Dept. of Technology and Constr. management	40B629	5	detail
Special practice	Profiled department	40B408	1	1 week
Practical training from Geodesy	Dept. of Geodesy	40B416	4	detail

Degree Bc. Optional courses

Subject	Department	Code	Credits	Info sheet
Building Chemistry	Dept. of Structures and Bridges	40B108	3	detail
Mathematical Seminar I.	Dept. of Structural Mechanics and Applied Mathematics	40B107	2	detail
Underground Services	Dept. of Building Engineering and Urban Planning	40B309	2	detail
Principle of Design of Structures	Dept. of Structures and Bridges	40B303	4	detail
Geodesy II.	Dept. of Geodesy	40B501	5	detail
Timber Structures I.	Dept. of Structures and Bridges	40B506	4	detail
Masonry Structures I.	Dept. of Structures and Bridges	40B515	4	detail
Mathematical Seminar II.	Dept. of Structural Mechanics and Applied Mathematics	40B210	2	detail
Computer Programming I.	Dept. of Geotechnics	40B217	3	detail
Hydrotechnical Structures	Dept. of Geotechnics	40B412	4	detail
CAD/CAM/CAE I., II.	Dept. of Highway Eng./ Railway Eng. and Track Management	40B420	2	detail
Foreign Language (Gb, D, F)	Dept. of Foreign languages	9001,2,3	2	detail
Civil Law I.	Dept. of Highway Eng.			detail
Road Engineering II.	Dept. of Highway Eng.	40B613	5	detail
Railway Engineering II.	Dept. of Railway Eng. and Track Management	40B620	5	detail
Chapters from Physics	Dept. of Physics, FE	40B211	2	detail

Other courses are offered in Master and Doctoral level according to individual agreement.
<http://vzdelavanie.uniza.sk/vzdelavanie/plany.php?f=4&t=Z&m=2&r=1&o=1&z=1>

Faculty of Management Science and Informatics

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Degree	Term	Code	Course name	ECTS
Bc.	S	5BA122	Discrete optimisation	5
Bc.	S	5BA126	Algorithmic Graph Theory	5
Bc.	F	5BF017	Mathematical Analysis 1	6
Bc.	F	5BF101	Algebra	6
Bc.	S	5BF104	Electrotechnical Circuits	5
Bc.	F	5BF107	Electronics	5
Bc.	S	5BF114	Mathematical Analysis 2	6
Bc.	F	5BH101	Logical Systems	5
Bc.	S	5BH104	Digital Systems	5
Bc.	F	5BH105	Elektronic System	5
Bc.	S	5BI010	Java - language and applications development	6
Bc.	S	5BI106	Basics of database systems	5
Bc.	F	5BI125	Assembly language programming	5
Bc.	F	5BI139	Informatics 3	6
Bc.	F	5BI146	Software modeling	5
Bc.	F	5BN103	Computer Networks 1	5
Bc.	S	5BN104	Computer Networks 2	5
Bc.	F	5BS001	Operating Systems	6
Bc.	F	5UA013	Modelling and simulation	6
Bc.	F	5US009	Internet and Intranet application development	4
Bc.	S	5US003	Software engineering	6
Bc.	F	5BE101	Basic Economics	5
Bc.	S	5BE102	Microeconomics	5
Bc.	S	5BE108	Macroeconomics	5
Bc.	S	5BE118	Marketing	5
Bc.	S	5BL142	Sociology	5
Bc.	F	5BM013	Quality management	6
Bc.	F	5BM023	Marketing communication	5
Bc.	F	5BM121	Managerial Presentation Skills	5
Bc.	S	5BM125	Management	6
Bc.	F	5UM111	Project management	5
MSc.	F	5II107	Advanced database systems	5
MSc.	F	5IE117	Econometrics	5

Degree	Term	Code	Course name	ECTS
MSc.	F	5II101	Fuzzy sets and neural networks	5
MSc.	F	5II115	Algorithms and data structures 2	5
MSc.	F	5IN109	Network optimisation	5
MSc.	F	5II117	Cryptography and Safety	5
MSc.	F	5IM121	Marketing management	5
MSc.	F	5IM109	Strategy Management	5
MSc.	F	5IH115	Applications of the Microprocessors Implemented into the FPGA Devices	6
MSc.	F	5II119	Computer Speech Recognition	5
MSc.	S	5II128	Databases languages	5
MSc.	S	5IE112	Forecasting	5
MSc.	S	5IA108	Metaheuristics	5
MSc.	S	5IA110	Implementation of optimisation algorithms	5
MSc.	S	5II108	Discrete simulation	5
MSc.	S	5IS106	Geographic information systems	5
MSc.	S	5IA102	Theory of information	5
MSc.	S	5IH102	Design of the Custommer Integrated Circuits	5
MSc.	S	5IH110	Signal Compression Methods	5

Faculty of Security Engineering

Erasmus+ contacts

Ing. Katarína Hollá, PhD.

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Website:

<http://fsi.uniza.sk/english/index-en.html>

Winter and Spring semester

Subject code	Subject Title	ECTS	Teacher	Language,
9BD024	Fundamentals of Structural Mechanics	5	Lucia Figuli, Ph.D.	English
9BD042	Transport infrastructure (fundaments of roads, railways, tunnels and bridges)	4	Lucia Figuli, Ph.D.	English
9BD020	Technical drawings	3	Lucia Figuli, Ph.D.	English
91350	Security System Designing	5	Assoc. Prof. Tomas Loveček Ph.D.	English
91110	Management of Public	5	Assoc. Prof. Stanislav Štofko, CSc.	English
91051	Risk Theory	5	Katarina Holla, Ph.D.	English
92071	Crisis Management	6	Assoc. Prof. Jozef Ristvej, Ph.D.	English
91050	Planning and Forecasting	5	Assoc. Prof. Jozef Klučka, PhD.	English

92133	Marketing	5	Assoc. Prof. Jozef Klučka, Ph.D.	English
91251	Fire safety in buildings	6	Vladimír Mózer, Ph.D.	English
92155	Crises Situations Solution – Nature	5	Maria Polorecka, Ph.D.	English
92231	Fire Prevention	5	Maria Polorecka, Ph.D.	English
91261	Dangerous Substances	4	Miroslava Vandlíčková, Ph.D.	English
92451	Radiating, Chemical And Biological Protection	4	Miroslava Vandlíčková, Ph.D.	English
92027	Logistics in Civil Protection	5	Assoc. Prof. Eva Sventekova, Ph.D.	English
91012	Managerial Information	4	Prof. Zdenek Dvorak, Ph.D.	English
92030	Informatics II	3	Assoc. Prof. Bohus Leitner,	English
9BD050	Critical Infrastructure Protection	5	Assoc. Prof. Dagmar Vidriková, Ph.D.	English
9BD024	Fondamenti di Scienza delle costruzioni	5	Lucia Figuli, Ph.D.	Italiano
9BD042	Infrastruttura dei trasporti (fondamenti di strade, ferrovie, gallerie a ponti)	4	Lucia Figuli, Ph.D.	Italiano
9BD020	Disegno tecnico	3	Lucia Figuli, Ph.D.	Italiano

Faculty of Humanities

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Courses in English

- Courses in English for Erasmus Students

Content of Study

- Courses in English provided by Department of English Language and Literature
- Courses in English provided by Department of Pedagogical Studies
- Courses in English provided by Department of Religious Studies
- Courses in English provided by Department of Music
- Courses in English provided by Department of Mediatics and Cultural Heritage

Courses managed by the Department of English Language and Literature

BACHELOR DEGREE 1st Year

CODE	COMPULSORY SUBJECTS	Semester	Lecture/ Seminar	Credits ECTS	Classifi cation/ Exam
8BA033	British and American Studies and Literature 1	Autumn	1+1	3 credits	C
8BA034	Introduction to the Study of English Language 1	Autumn	1+1	3 credits	C
8BA002	Phonetics and Phonology of Contemporary English 1	Autumn	1+1	2 credits	C
8BA048	Morphosyntax of Contemporary English 1	Autumn	1+1	2 credits	C
8BA004	Development of Communicative Competence 1	Autumn	0+2	2 credits	C
8BA007	Phonetics and Phonology of Contemporary English 2	Spring	1+1	3 credits	E
8BA042	British and American Studies and Literature 2	Spring	1+1	3 credits	C
8BA041	Morphosyntax of Contemporary English 2	Spring	1+1	2 credits	C
8BA010	Development of Communicative Competence 2	Spring	0+2	2 credits	C
8BA040	Introduction to the Study of English Language 2	Spring	1+1	3 credits	E
	ELECTIVE SUBJECTS				
8BA035	Communication Skills	Autumn	0+2	2 credits	C
8BA038	British and American Civilization and Literature	Autumn	0+2	2 credits	C
8BA036	Development of Grammatical Competence	Spring	0+2	2 credits	C
8BA035	Communication Skills	Spring	0+2	2 credits	C

BACHELOR DEGREE 2nd Year

CODE	COMPULSORY SUBJECTS	Semester	Lecture/ Seminar	Credits ECTS	Classifi cation/ Exam
8BA043	Morphosyntax of Contemporary English 3	Autumn	1+1	3 credits	E
8BA013	Development of Communicative Competence 3	Autumn	0+2	3 credits	E
8BA015	EFL Didactics 1	Autumn	1+1	2 credits	C
8BA044	British and American Studies and Literature 3	Autumn	1+1	3 credits	C
8BA020	Lexicology of Contemporary English	Spring	1+1	3 credits	E
8BA018	Development of Communicative competence 4	Spring	0+2	2 credits	C
8BA021	EFL Didactics 2	Spring	1+1	2 credits	C
8BA045	British and American Studies and Literature 4	Spring	1+1	3 credits	C
	ELECTIVE SUBJECTS				
8BA039	Content and Language Integrated Learning	Spring	0+2	2 credits	C

BACHELOR DEGREE 3rd Year

CODE	COMPULSORY SUBJECTS	Semester	Lecture/ Seminar	Credits ECTS	Classifi cation/ Exam
8BA024	Development of Communicative Competence 5	Autumn	0+2	2 credits	C

8BA046	Morphology and Syntax of Contemporary English 4	Autumn	1+1	2 credits	C
8BA026	EFL Didactics 3	Autumn	1+1	3 credits	E
8BA027	Stylistics of Contemporary English	Autumn	1+1	3 credits	E
8BA028	A Course in Writing a Final Thesis	Autumn	0+2	2 credits	C
8BA030	Development of Communicative Competence 6	Spring	0+2	3 credits	E
8BA047	Morphosyntax of Contemporary English 5	Spring	1+1	3 credits	E
	ELECTIVE SUBJECTS				
8BA037	Academic writing	Autumn	0+2	2 credits	C

MASTER DEGREE 1st Year

CODE	COMPULSORY SUBJECTS	Semester	Lecture/ Seminar	Credits ECTS	Classifi- cation/ Exam
8BA110	Applied Linguistics 1	Autumn	1+1	4 credits	E
8BA112	EFL Didactics 1	Autumn	1+1	4 credits	E
8BA111	Development of Communicative Competence 1	Autumn	0+2	3 credits	C
8BA114	Landmarks in English Literature 1	Autumn	1+1	3 credits	E
8BA113	Applied Linguistics 2	Spring	1+1	4 credits	E
8BA115	EFL Didactics 2	Spring	1+1	4 credits	E
8BA116	Development of Communicative Competence 2	Spring	0+2	3 credits	C
8BA119	Landmarks in English Literature 2	Spring	1+1	3 credits	E
	ELECTIVE SUBJECTS				
8BA117	Discourse analysis	Autumn	0+2	2 credits	C
8ME139	English Language for Media 1	Autumn	0+2	2 credits	C
8BA105	Analysis of Literary Works	Spring	0+2	2 credits	C
8ME141	English Language for Media 2	Spring	0+2	2 credits	C

MASTER DEGREE 2nd Year

CODE	COMPULSORY SUBJECTS	Semester	Lecture/ Seminar	Credits ECTS	Classifi- cation/ Exam
8BA118	Applied Linguistics 3	Autumn	1+1	4 credits	E
8BA120	EFL Didactics 3	Autumn	1+1	4 credits	E
8BA121	Development of Communicative Competence 3	Autumn	0+2	3 credits	C
	ELECTIVE SUBJECTS				
8BA124	Modern Trends in English Language Teaching	Autumn	0+2	2 credits	C
8ME143	English Language for Media 3	Autumn	0+2	2 credits	C
8ME145	English Language for Media 4	Spring	0+2	6 credits	E

Courses managed by the Department of Pedagogical Studies

BACHELOR DEGREE

CODE	SUBJECTS English Name (Slovak name of the Subject)	Semester	Credits ECTS	Classifica tion/ Exam	Name of the Teacher
8BS005	Introduction to Sociology (Úvod do sociológie)	Autumn	5 credits	E	Milan Kubiátko
8BS019	Theory of Education I. (Teória výchovy I.)	Autumn	5 credits	E	Jana Trabalíková
8BV001	Introduction to Educational Sciences (Všeobecná pedagogika)	Autumn	5 credits	E	Andrea Kubalíková
8BS004	Philosophy of education (Filozofia a filozofia výchovy)	Autumn	4 credits	E	Simona Wagnerová
8BS025	Social Psychology (Sociálna psychológia)	Autumn	5 credits	E	Kristýna Balátová
8BS033	Ethnic, marginal and risk groups (Etnické, marginálne a rizikové skupiny)	Autumn	3 credits	E	Kristýna Balátová
8BV007	Theory of Teacher Training (Všeobecná Didaktika 1)	Spring	4 credits	E	Andrea Kubalíková
8BK117	Philosophical conception of human being (Filozofické koncepcie človeka)	Spring	2 credits	E	Simona Wagnerová
8BS065	Methodology of educational sciences (Metodológia vied o výchove)	Spring	4 credits	E	Mila Kubiátko
8BS015	Developmental Psychology (Ontogenetická psychológia)	Spring	5 credits	E	Kristýna Balátová
8BM001	Mathematical Analysis 1	Autumn	4 credits	E	Zuzana Malacká
8BM002	Linear Algebra	Autumn	4 credits	E	Zuzana Malacká
8BM023	Complementary Exercises from Mathematical Analysis	Autumn + Spring	2 credits	C	Zuzana Malacká
8BM016	Methods for Mathematical Problems Solving	Autumn	3 credits	C	Zuzana Malacká
8BM007	Mathematical Analysis 3	Autumn	4 credits	E	Zuzana Malacká
8BM021	Differential equations	Autumn	4 credits	E	Zuzana Malacká
8BM005	Mathematical Analysis 2	Spring	4 credits	E	Zuzana Malacká
8BM004	Introduction to Study of Mathematics	Spring	2 credits	C	Zuzana Malacká

Courses managed by the Department of Mediamatics and Cultural Heritage

BACHELOR DEGREE

CODE	SUBJECTS English Name (Slovak name of the Subject)	Semester	Credits ECTS	Classifica tion/ Exam	Name of the Teacher
8KB005	The History of Culture and Art 1	Autumn	4 credits	E	Miloš Dudáš

	<i>(Úvod do dejín - dejiny umenia a kultúry 1)</i>				
8BE027	Soundart <i>(Informačná a mediálna výchova)</i>	Autumn	5 credits	E	Marek Piaček
8KB039	Documentation of Cultural Heritage 2 <i>(Dokumentácia kultúrneho dedičstva 2)</i>	Autumn	6 credits	E	Jarmila Majerová
8BE067	Logic <i>(Logika)</i>	Autumn	2 credits	C	Galina Jasečková
8KB019	Theory of communication 2 <i>(Teória komunikácie 2)</i>	Spring	4 credits	E	Milan Konvit
8KB021	The History of Culture and Art 2 <i>(Úvod do dejín - dejiny umenia a kultúry 2)</i>	Spring	4 credits	E	Miloš Dudáš

MASTER DEGREE

CODE	SUBJECTS English Name <i>(Slovak name of the Subject)</i>	Semester	Credits ECTS	Classifica tion/ Exam	Name of the Teacher
8ME086	The Cultural Heritage 1 <i>(Kultúrne dedičstvo 1)</i>	Autumn	4 credits	C	Miloš Dudáš
8ME093	Typography and Editing 1 <i>(Typografia a editorstvo 1)</i>	Autumn	4 credits	C	Pavína Čierna
8ME089	New Media 1 <i>(Nové média)</i>	Autumn	4 credits	C	Milan Konvit
8ME092	Data mining <i>(Datamining)</i>	Autumn	2 credits	C	Eva Capková
8ME084	Logic <i>(Logika)</i>	Autumn	2 credits	C	Galina Jasečková
8ME111	Typography and Editing 2 <i>(Typografia a editorstvo 2)</i>	Spring	4 credits	C	Pavína Čierna
8ME097	Videostreaming <i>(Videostreaming)</i>	Spring	2 credits	C	Marek Piaček
8ME100	Digitisation of written heritage <i>(Digitalizácia písomného dedičstva)</i>	Spring	4 credits	E	Dušan Katuščák

Courses managed by the Department of Music

BACHELOR DEGREE

CODE	SUBJECTS English Name <i>(Slovak name of the Subject)</i>	Semester	Credits ECTS	Classifica tion/ Exam	Name of the Teacher
8HH052	Piano Playing <i>(Hlavný predmet – hra na nástroji, spev)</i>	Autumn	3 credits	Audition	Dana Šašinová, Kamil Mihalov
8HH017	Chamber Music <i>(Komorná hra/spev)</i>	Autumn	2 credits	Audition	Dana Šašinová, Kamil Mihalov
8HH023	Music History III. <i>(Dejiny európskej hudobnej kultúry III.)</i>	Autumn	2 credits	E	Michal Hottmar
8HH035	Music History V. <i>(Dejiny európskej hudobnej kultúry V.)</i>	Autumn	2 credits	E	Michal Hottmar
8HH020	Choir singing and Choral conducting I. <i>(Zborový spev a riadenie zboru I.)</i>	Autumn	2 credits	E	Monika Bažíková
8HH002	Individual voice training I. <i>(Spev a hlasová výchova I.)</i>	Autumn	1 credit	C	Emília Sadloňová
8HH003	Piano Playing	Spring	4 credits	Audition	Dana Šašinová,

	<i>(Obligátny klávesový nástroj – klavír)</i>				Kamil Mihalov
8HH017	Chamber Music <i>(Komorná hra/spev)</i>	Spring	2 credits	Audition	Dana Šašinová, Kamil Mihalov.
8HH028	Music History VI. <i>(Dejiny európskej hudobnej kultúry III.)</i>	Spring	2 credits	E	Michal Hottmar
8HH027	Choir singing and Choral conducting II <i>(Zborový spev a riadenie zboru I)</i>	Spring	2 credits	E	Monika Bažíková
8HH019	Individual voice training III <i>(Spev a hlasová výchova III.)</i>	Spring	1 credit	C	Emília Sadloňová
8HH003	Obligatory piano playing <i>(Obligátny klávesový nástroj – klavír)</i>	Autumn / Spring	2 / 2 credits	C / C	Monika Bažíková
8HH049	Practice in Musical groups – Choir <i>(Prax v hudobných súboroch- spevácky zbor)</i>	Autumn / Spring	2 / 2 credits	C / C	Monika Bažíková
8HH048	Chamber Choir OMNIA <i>(Komorný spevácky zbor OMNIA)</i>	Autumn / Spring	2 / 2 credits	C / C	Monika Bažíková

Courses managed by the Department of Religious Studies

BACHELOR DEGREE

CODE	SUBJECTS English Name <i>(Slovak name of the Subject)</i>	Semester	Credits ECTS	Classifica tion/ Exam	Name of the Teacher
8PT002	New Testament II. (Introduction to the New Testament) <i>(Nová zmluva II.)</i>	Autumn	4 credits	E	Adrián Kacián
8PT018	Old Testament III. (Theology of the New Testament) <i>(Stará zmluva III.)</i>	Autumn	4 credits	E	Bohdan Hroboň
8PT001	Overview of the Bible <i>(Biblický prehľad)</i>	Autumn	3 credits	C	Adrián Kacián
8PT003	Old Testament II (Introduction to the Old Testament) <i>(Stará zmluva II.)</i>	Autumn	4 credits	E	Bohdan Hroboň
8PT004	History of Christianity I. <i>(Dejiny kresťanstva I.)</i>	Autumn	3 credits	C	Michal Valčo
8PT059	Work with Children (Practical Training) <i>(Práca s deťmi a mládežou I.)</i>	Autumn	3 credits	C	Hedviga Tkáčová
8PT022	Teen-Club Work (Practical Training) <i>(Práca v kresťanskom klube)</i>	Autumn	2 credits	C	Hedviga Tkáčová
8PT025	Old Testament IV. (Exposition of the OT Texts) <i>(Stará zmluva IV.)</i>	Autumn	2 credits	C	Bohdan Hroboň
8PT029	Dogmatics I. (Introduction to Christian Theology) <i>(Dogmatika I.)</i>	Autumn	4 credits	C	Michal Valčo
8PT058	New Testament IV. (Exposition of the NT Texts) <i>(Nová zmluva IV.)</i>	Autumn	2 credits	C	Adrián Kacián
8PT020	Youth Work (Practical Training) <i>(Práca v spoločenstve mládeže)</i>	Autumn	2 credits	C	Hedviga Tkáčová
8PT048	Practical Theology II (Missiology) <i>(Praktická teológia II.)</i>	Autumn	4 credits	E	Michal Valčo

8PT051	Practical Theology IV (Catechetical Studies) (Praktická teológia IV.)	Autumn	3 credits	E	Katarína Valčová
8PT064	Didactics of Religious Education (Didaktika nábožskej výchovy)	Autumn	3 credits	C	Katarína Valčová
8PT040	Christian Ethics I. (Kresťanská etika I.)	Autumn	3 credits	C	Michal Valčo
8PT044	Dogmatics III (Christian Churches and Denominations) (Dogmatika III.)	Autumn	3 credits	C	Michal Valčo
8PT012	History of Christianity II. (Dejiny kresťanstva II.)	Spring	3 credits	E	Michal Valčo
8PT017	New Testament III. (Theology of the NT) (Nová zmluva III.)	Spring	4 credits	E	Adrián Kacián
8PT018	Old Testament III. (Theology of the OT) (Stará zmluva III.)	Spring	4 credits	E	Bohdan Hroboň
8PT019	History of Christianity III (Domestic Church History) (Dejiny kresťanstva III.)	Spring	3 credits	E	Michal Valčo
8PT020	Youth Work (Practical Training) (Práca v spoločenstve mládeže)	Spring	2 credits	C	Hedviga Tkáčová
8PT021	Work with Children (Practical Training) (Práca v spoločenstve detí)	Spring	2 credits	C	Hedviga Tkáčová
8PT022	Teen-Club Work (Practical Training) (Práca v kresťanskom klube)	Spring	2 credits	C	Hedviga Tkáčová
8PT011	New Testament I. (History of the NT Period) (Nová zmluva I.)	Spring	3 credits	C	Adrián Kacián
8PT038	Dogmatics II (Introduction to Christian Theology II) (Dogmatika II.)	Spring	4 credits	E	Michal Valčo
8PT041	Practical Theology I (Introduction to Christian Worship) (Praktická teológia I.)	Spring	1 credits	C	Katarína Valčová
8PT050	Practical Theology III (Introduction to Pastoral Care) (Praktická teológia III.)	Spring	2 credits	C	Katarína Valčová
8PT032	History of Christian Thought (Dejiny kresťanského myslenia)	Spring	2 credits	C	Michal Valčo
8PT044	Dogmatics III (Apologetics) (Dogmatika III.)	Spring	1 credits	C	Michal Valčo
8PT047	Christian Ethics II (Applied Ethics) (Kresťanská etika II.)	Spring	3 credits	E	Michal Valčo
8PT066	Christianity in Arts, Literature, and Film (Kresťanstvo v umení, literature a filme)	Spring	2 credits	C	Hedviga Tkáčová

Institute of High Mountain Biology

Erasmus+ contacts

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Degree Bc

WINTER SEMESTER			
SUBJECT	DEPARTMENT	CODE	CREDIT
Environmental Management, EIA	Institute of High Mountain Biology	6SP201	7
Global and Landscape Ecology	Institute of High Mountain Biology	6SP202	8
Protection of Nature and Landscape - Environmental Law	Institute of High Mountain Biology	6SP203	7
Ethology	Institute of High Mountain Biology	6SP204	4
Molecular Ecology	Institute of High Mountain Biology	6SP205	4
Nature Protection Techniques III	Institute of High Mountain Biology	6SP206	2

SUMMER SEMESTER			
SUBJECT	DEPARTMENT	CODE	CREDIT
Natural Resources IV - Fauna	Institute of High Mountain Biology	6SP207	8
Field Course in Zoology	Institute of High Mountain Biology	6SP208	5
Environment of the Slovak Republic	Institute of High Mountain Biology	6SP209	5
Information Systems - GIS	Institute of High Mountain Biology	6SP210	6
Field Competence II. - Basics of climbing and ski training	Institute of High Mountain Biology	6SP211	2
Field Competence I. Cynology and horseriding	Institute of High Mountain Biology	6SP212	2
Nature Protection Techniques IV	Institute of High Mountain Biology	6SP213	2

