

Annex to the University of Žilina Erasmus+ information sheet
Academic year 2015/2016

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/llp-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 I	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 Handlingmachines	2A037	6
Foreign language	Institute of Foreign Languages	2A039	6

Faculty of Electrical Engineering

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Code/Title of Subject	Credits	Study programme	Degree	Year/Sem.	Department
31110 Introduction to Physics	3	Control Engineering Biomedical Engineering Electrical Engineering Multimedia Technologies Telecommunications	Bc	1 / autumn	DPh
31100 Algorithmization of Tasks	6	Control Engineering Biomedical Engineering Electrical Engineering Multimedia Technologies Telecommunications	Bc	1 / autumn	DCIS
31201 Physics 1	7	Control Engineering Electrical Engineering Multimedia Technologies Telecommunications Biomedical Engineering	Bc	1 / spring	DPh
31204 Technical Background of Computers	3	Control Engineering	Bc	1 / spring	DCIS
31205 Theory of Electrical Engineering 1	6	Control Engineering Biomedical Engineering Electrical Engineering Digital Technologies Telecommunications	Bc	1 / spring	DEBE
31209 Programming Languages 1	5	Control Engineering Electrical Engineering Multimedia Technologies Telecommunications Biomedical Engineering	Bc	1 / spring	DCIS
31212 Introduction to Industrial Automation and Mechatronics	3	Electrical Engineering	Bc	1 / autumn 2 / autumn	DME
31301 Electroacoustics	5	Multimedia Technologies	Bc	2 / autumn	DTM
31302 Electronics 1	6	Control Engineering Electrical Engineering Telecommunications Biomedical Engineering Multimedia Technologies	Bc	2 / autumn	DME

31303 Physics 2	5	Control Engineering Biomedical Engineering Electrical Engineering Telecommunications	Bc	2 / autumn	DPh
31306 Measurement and Measuring Systems	5	Electrical Engineering Telecommunications Control Engineering Biomedical Engineering	Bc	2 / autumn	DMAEE
31307 Computer Modelling of Real Processes	3	Control Engineering Biomedical Engineering Electrical Engineering Telecommunications	Bc	2 / autumn	DPh
31310 Transmission Technology	5	Multimedia Technologies	Bc	2 / autumn	DTM
31314 Theory of Electrical Engineering 2	5	Control Engineering Biomedical Engineering Electrical Engineering Digital Technologies Telecommunications	Bc	2 / autumn	DEBE
31315 Selected Capitols of Physics	3	Control Engineering Biomedical Engineering Electrical Engineering Telecommunications	Bc	2 / autumn	DPh
31316 Chosen chapters from Theory of EE	3	Control Engineering Biomedical Engineering Electrical Engineering Digital Technologies Telecommunications	Bc	2 / autumn	DEBE
31114 Optics for Photonics	5	Electrical Engineering Telecommunications	Bc	2 / spring	DPh
31450 Fundamentals of Optoelectronic	4	Telecommunications	Bc	2 / spring	DPh
31439 Sensors and Measurement Methods in BME	5	Biomedical Engineering	Bc	2 / spring	DEBE
31442 Theory of Electrical Engineering 3	5	Biomedical Engineering Telecommunications	Bc	2 / spring	DEBE
31437 Control Systems	6	Control Engineering	Bc	2 / spring	DCIS
31444 Theory of Information and Signals	6	Control Engineering	Bc	2 / spring	DCIS
31606 Distributed Control Systems	6	Control Engineering	Bc	2 / spring	DCIS
31321 Computer Networks	5	Digital Technologies	Bc	2 / spring	IAS
31400 Analog Circuit Systems	5	Telecommunications	Bc	2 / spring	DTM
31419 JAVA – language and applications development	5	Telecommunications	Bc	2 / spring	DTM
31420 Communication Technologies 1	5	Telecommunications Multimedia Technologies	Bc	2 / spring	DTM
31432 Computer Networks 1	5	Telecommunications	Bc	2 / spring	DTM
31433 Transmission Media	5	Telecommunications	Bc	2 / spring	DTM

31435 Sound Production Project	2	Multimedia Technologies	Bc	2 / spring	DTM
31451 Audio Production	5	Multimedia Technologies	Bc	2 / spring	DTM
31413 Electrical Light and Heat	6	Electrical Engineering	Bc	2 / spring	DME
31415 Electronics 2	6	Control Engineering Electrical Engineering Biomedical Engineering	Bc	2 / spring	DME
31427 Power supplies	4	Telecommunications	Bc	2 / spring	DME
31454 Electrical Machines	7	Electrical Engineering	Bc	2 / spring	DPES
31411 Electrical Machines in English 1	3	Electrical Engineering	Bc	2 / spring	DPES
31513 Sensors for Technical Practice	6	Electrical Engineering	Bc	3 / autumn	DMAEE
31213 Design and construction of medical devices	5	Biomedical Engineering	Bc	3 / autumn	DEBE
31301 Electroacoustics	5	Telecommunications	Bc	3 / autumn	DTM
31313 Television Technology	5	Multimedia Technologies Telecommunications	Bc	3 / autumn	DTM
31500 Electrical Apparatus	6	Electrical Engineering	Bc	3 / autumn	DPES
31501 Electrical Traction 1	6	Electrical Engineering	Bc	3 / autumn	DPES
31502 Power Electronics	6	Electrical Engineering	Bc	3 / autumn	DME
31507 Electroenergetics 1	6	Electrical Engineering	Bc	3 / autumn	DPES
31508 Digital Video and Audio	5	Multimedia Technologies	Bc	3 / autumn	DTM
31509 Selected Parts of Electrical Machines	6	Electrical Engineering	Bc	3 / autumn	DPES
31511 Microprocessor Technology	6	Electrical Engineering	Bc	3 / autumn	DME
31512 Electric Drives 1	6	Electrical Engineering	Bc	3 / autumn	DPES
31521 Communications Security	6	Control Engineering Telecommunications	Bc	3 / autumn	DCIS
31522 Communication Technologies 2	4	Telecommunications	Bc	3 / autumn	DTM
31524 Logic Circuits	5	Biomedical Engineering Telecommunications	Bc	3 / autumn	DME
31528 Multimedia Technology	3	Electrical Engineering	Bc	3 / autumn	DME
31531 Computer Graphics and Animation	4	Digital Technologies	Bc	3 / autumn	IAS
31532 Computer Networks 2	4	Telecommunications	Bc	3 / autumn	DTM
31535 Radiocommunication Systems 1	5	Telecommunications	Bc	3 / autumn	DTM
31536 Sensor Technology	6	Control Engineering	Bc	3 / autumn	DCIS
31542 Image Processing and Analysis	5	Biomedical Engineering	Bc	3 / autumn	DME
31546 Design of Multimedia WEB Pages	5	Multimedia Technologies	Bc	3 / autumn	DTM
31552 Computing and Office Technology	3	Electrical Engineering	Bc	3 / autumn	DME
31556 Mechatronics	6	Electrical Engineering	Bc	3 / autumn	DME
31559 Application of Digital Signal Processors 1	3	Electrical Engineering	Bc	3 / autumn	DPES
31520 Bachelor Project 2 A	5	Control Engineering	Bc	3 / spring	DCIS

31605 Database Systems	6	Telecommunications	Bc	3 / spring	DTM
31608 Electric Drives 2	6	Electrical Engineering	Bc	3 / spring	DPES
31610 Electric Power Systems 2	6	Electrical Engineering	Bc	3 / spring	DPES
31628 Power Semiconductor Systems	6	Electrical Engineering	Bc	3 / spring	DME
31632 Application of Digital Signal Processors 2	3	Electrical Engineering	Bc	3 / spring	DPES
32109 Physics 3	6	Telecommunication and Radiocommunication Engineering	MsC	1 / autumn	DPh
32100 Algorithms and Programming Languages	6	Telecommunication and Radiocommunication Engineering Multimedia Engineering	MsC	1 / autumn	DTM
32103 Security of Information Systems	6	Process Control	MsC	1 / autumn	DCIS
32106 Electric Power Systems in English	3	Electrical Power Systems	MsC	1 / autumn	DPES
32108 Photonic Communication Systems	6	Telecommunication and Radiocommunication Engineering	MsC	1 / autumn	DTM
32114 Modelling and Simulations in BME	6	Biomedical Engineering	MsC	1 / autumn	DEBE
32117 Design of Custom Integrated Circuits	5	Process Control	MsC	1 / autumn	DME
32119 Computers in Industrial Automation 2	6	Power Electronic Systems	MsC	1 / autumn	DME
32120 Computer Networks	6	Process Control	MsC	1 / autumn	DCIS
32121 Transmission of Electric Energy	6	Electrical Power Systems	MsC	1 / autumn	DPES
32124 Elements in Railway Signalling Systems	6	Process Control	MsC	1 / autumn	DCIS
32125 Control of Electric Drives 1	6	Electrical Drives	MsC	1 / autumn	DPES
32126 Control of Electric Actuators	6	Process Control	MsC	1 / autumn	DME
32127 Electromagnetic Wave Propagation and Antennas	6	Telecommunication and Radiocommunication Engineering	MsC	1 / autumn	DTM
32130 Theory of Automatic Control 2	6	Process Control	MsC	1 / autumn	DCIS
32136 Power Semiconductor Converters	6	Electrical Power Systems Electrical Drives Power Electronic Systems	MsC	1 / autumn	DME
32137 Production of Electric Energy	6	Electrical Power Systems	MsC	1 / autumn	DPES
32201 Analysis of Electrical Machines	6	Electrical Drives	MsC	1 / autumn	DPES
32233 Microprocessor and Microcomputer Systems	6	Electrical Drives	MsC	1 / autumn	DME
32247 Radiocommunication Systems and Networks	5	Multimedia Engineering	MsC	1 / autumn	DTM

		Biomedical Engineering Electrical Power Systems Electrical Drives Process Control Multimedia Engineering Power Electronic Systems			
32410 Physics of Accelerators	4		MsC	1 / spring	DPh
32202 Applications of Higher Programming Languages	6	Process Control	MsC	1 / spring	DCIS
32203 Safety-related Com. Systems	6	Process Control	MsC	1 / spring	DCIS
32204 Digital Signal Processing 1	6	Multimedia Engineering Telecommunication and Radiocommunication Engineering	MsC	1 / spring	DTM
32205 Digital Audio Processing	6	Telecommunication and Radiocommunication Engineering Multimedia Engineering	MsC	1 / spring	DTM
32207 Electric Traction 2	6	Electrical Drives	MsC	1 / spring	DPES
32209 Electric Substations	6	Electrical Power Systems	MsC	1 / spring	DPES
32211 Measurement and Numerical Data Processing	6	Power Electronic Systems	MsC	1 / spring	DME
32213 Information Systems in Power Engineering	6	Electrical Power Systems	MsC	1 / spring	DPES
32216 Microprocessors, Microcomputers and DSP	7	Power Electronic Systems	MsC	1 / spring	DME
32220 Neural Networks	4	Telecommunication and Radiocommunication Engineering	MsC	1 / spring	DTM
32225 Means of Signal Processing	6	Process Control	MsC	1 / spring	DCIS
32226 Radiocommunication Systems and Networks 1	6	Telecommunication and Radiocommunication Engineering	MsC	1 / spring	DTM
32228 Control of Electric Drives 2	6	Electrical Drives	MsC	1 / spring	DPES
32229 Control of Electric Power Systems	6	Electrical Power Systems	MsC	1 / spring	DPES
32238 Artificial Intelligence	6	Process Control	MsC	1 / spring	DCIS
32239 Fibre Optics	4	Telecommunication and Radiocommunication Engineering	MsC	1 / spring	DTM
32242 Programming and high level languages	4	Telecommunication and Radiocommunication Engineering	MsC	1 / spring	DTM
32243 Railway Signalling Systems	6	Process Control	MsC	1 / spring	DCIS
32246 Signal Processing in Medicine	6	Biomedical Engineering	MsC	1 / spring	DEBE
32325 Design of ASIC	5	Power Electronic Systems	MsC	1 / spring	DME
32335 Simulation Languages in Electric Power Systems	6	Electrical Power Systems	MsC	1 / spring	DPES
32337 Advanced Electrical	6	Electrical Drives	MsC	1 / spring	DPES

Machines					
32341 Virtual Instrumentation	5	Power Electronic Systems	MsC	1 / spring	DME
32311 Expert Systems	6	Process Control	MsC	2 / autumn	DCIS
31515 Mechatronic systems	6	Power Electronic Systems	MsC	2 / autumn	DME
32241 Calculations of Electrical Networks	6	Electrical Power Systems	MsC	2 / autumn	DPES
32300 Application of Power Electronics in ET and EE	6	Electrical Power Systems Power Electronic Systems Electrical Drives	MsC	2 / autumn	DME
32301 Applications of Railway Signalling Systems	6	Process Control	MsC	2 / autumn	DCIS
32302 Security Systems	6	Process Control	MsC	2 / autumn	DCIS
32303 Sensorless Control of El. Drives	7	Electrical Drives	MsC	2 / autumn	DPES
32306 Digital Signal Processing 2	6	Telecommunication and Radiocommunication Engineering Multimedia Engineering	MsC	2 / autumn	DTM
32308 Discrete Control of Elec. Drives	7	Electrical Drives	MsC	2 / autumn	DPES
32317 Communication Technologies 3	5	Telecommunication and Radiocommunication Engineering	MsC	2 / autumn	DTM
32322 Microwave Systems	5	Telecommunication and Radiocommunication Engineering	MsC	2 / autumn	DTM
32323 Microwave Circuits	5	Telecommunication and Radiocommunication Engineering	MsC	2 / autumn	DTM
32324 Design and Construction of Power Electronic Systems	7	Power Electronic Systems	MsC	2 / autumn	DME
32332 Radiocommunication Systems and Networks 2	6	Telecommunication and Radiocommunication Engineering	MsC	2 / autumn	DTM
32341 Virtual Instrumentation	5	Power Electronic Systems	MsC	2 / autumn	DME
32343 Electric Traction Vehicles	5	Electrical Drives	MsC	2 / autumn	DPES
32401 Wireless Communications	5	Process Control	MsC	2 / spring	DCIS
32405 Discrete Control of Power Systems	5	Electrical Drives	MsC	2 / spring	DME
32405 Discrete Control of Power Systems	5	Power Electronic Systems Electrical Drives	MsC	2 / spring	DME
32411 Intelligent Transport Systems	5	Process Control	MsC	2 / spring	DCIS
32423 Trends in ICT	4	Telecommunication and Radiocommunication Engineering Multimedia Engineering	MsC	2 / spring	DTM
32426 Fundamentals of Ecology	4	Biomedical Engineering	MsC	2 / spring	DEBE

Faculty of Civil Engineering

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Degree Bc. Main subjects

WINTER SEMESTER

Subject	Department	Code	Credits	Info sheet
Mathematics I.	Dept. mathematics, FHS	40B101	7	detail
Descriptive Geometry	Dept. mathematics, FHS	40B102	5	detail
Building Materials	Dept. Constr. mat. and Bridges	40B103	5	detail
Geology	Dept. of Geotechnics	40B104	5	detail
Urbanism and Landscape Planning I.	Dept. Building & Urban Planning	40B118	5	detail
Structural Mechanics I A.	Dept. of Structural Mechanics	40B302	5	detail
Theory of Elasticity I.	Dept. of Structural Mechanics	40B304	6	detail
Geomechanics	Dept. of Geotechnics	40B305	5	detail
Chapters from building constructions I	Dept. Building & 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. management	40B513	5	detail
Road Engineering I.	Dept. of Highway Eng.	40B509	5	detail
Railway Engineering I.	Dept. of Railway Eng.	40B510	5	detail
Semestral Work Road/Railway Str.	Dept. of Highway Eng./ Railway Eng.	40B614	3	detail

SUMMER SEMESTER

Mathematics II.	Dept. mathematics, FHS	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	40B220	7	detail
Foundations I.	Dept. of Geotechnics	40B404	5	detail
Steel Structures I.	Dept. Constr.mat. and Bridges	40B401	5	detail
Concrete Structures I.	Dept. Constr.mat. and Bridges	40B402	5	detail
Geodesy I.	Dept. of Geodesy	40B411	5	detail
Semestral Work Concr./Steel Str.	Dept. Constr.mat. and Bridges	40B406	3	detail
Building Technology I.	Dept. of Technology and Constr. management	40B625	4	detail
Bridges	Dept. Constr. mat. 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. Constr.mat. and Bridges	40B108	3	detail
Mathematical Seminar I.	Dept. mathematics, FHS	40B107	2	detail
Underground Services	Dept. Building & Urban Planning	40B309	2	detail
Principle of Design of Structures	Dept. Constr. mat. and Bridges	40B303	4	detail
Geodesy II.	Dept. of Geodesy	40B501	5	detail
Timber Structures I.	Dept. Constr. mat. and Bridges	40B506	4	detail
Masonry Structures I.	Dept. Constr. mat. and Bridges	40B515	4	detail
Mathematical Seminar II.	Dept. mathematics, FHS	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.	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.	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	Department	Code	Course name	ECTS
Bc.	F	KI	5BS001	Operating Systems	6
Bc.	F	KMME	5UE013	Controlling	4
Bc.	F	KMME	5BE001	Basic Economics	6
Bc.	F	KMMOA	5BI025	Assembly language programming	5
Bc.	F	KMMOA	5UA013	Modelling and simulation	6
Bc.	F	KMMOA	5US007	Multimedia information systems	6
Bc.	F	KMMOA	5BF001	Algebra	6
Bc.	F	KMnT	5BM023	Marketing communication	5
Bc.	F	KMnT	5BM021	Presentation techniques	3
Bc.	F	KST	5BI039	Informatics 3	5
Bc.	F	KST	5BM013	Quality management	6

Degree	Term	Department	Code	Course name	ECTS
Bc.	F	KST	5UM011	Project management	6
Bc.	F	KTK	5BH023	Microprocessors	6
Bc.	F	KTK	5BH001	Logical Systems	6
Bc.	F	KTK	5BH021	Technical Equipment of PC	3
Bc.	F	KTK	5BF007	Electronics	6
Bc.	F	KTK	5BH005	Elektronic System	6
Bc.	S	KI	5BI006	Basics of database systems	6
Bc.	S	KMME	5BE002	Microeconomics	6
Bc.	S	KMME	5BE008	Macroeconomics	5
Bc.	S	KMMOA	5BA006	Modelling and optimisation	6
Bc.	S	KMMOA	5BA022	Discrete optimisation	6
Bc.	S	KMMOA	5UI014	Computer graphics	6
Bc.	S	KMMOA	5BI048	Programming techniques 1	4
Bc.	S	KMMOA	5BA026	Algorithmic Graph Theory	6
Bc.	S	KMMOA	5BF014	Mathematical Analysis 2	6
Bc.	S	KMnT	5BE002	Microeconomics	6
Bc.	S	KMnT	5BE018	Marketing	6
Bc.	S	KMnT	5BE014	Small and Medium Enterprises	6
Bc.	S	KMnT	5BM010	Management	6
Bc.	S	KMnT	5BM014	Human Resource Management	6
Bc.	F	KST	5BI046	Software modeling	6
Bc.	S	KTK	5BF004	Electrotechnical Circuits	5
Bc.	S	KTK	5BH004	Digital Systems	6
Bc.	F	KMMOA	5BF017	Mathematical Analysis 1	6
Bc./MSc.	S	KST	5US003	Software engineering	6
Bc./MSc.	F	KST	5US009	Internet and Intranet application development	4
Bc./MSc.	S	KMMOA	5BI050	Programming techniques 2	4
Bc./MSc.	S	KMnT	5BL042	Sociology	5
MSc.	F	KDS	5IS009	Expert systems	6
MSc.	F	KI	5II007	Advanced database systems	5
MSc.	F	KMME	5IE017	Econometrics	6
MSc.	F	KMMOA	5II001	Fuzzy sets and neural networks	5
MSc.	F	KMMOA	5II015	Data structures 2	5
MSc.	F	KMMOA	5II023	Artificial intelligence	5
MSc.	F	KMMOA	5IN009	Network optimisation	5
Msc.	F	KMMOA	5II017	Cryptography and Safety	5
MSc.	F	KMnT	5IM021	Marketing management	6
MSc.	F	KMnT	5IM009	Strategy Management	6
MSc.	F	KTK	5IH015	Applications of the Microprocessors Implemented into the FPGA Devices	6
MSc.	F	KTK	5II019	Computer Speech Recognition	6
MSc.	F	KTK	5IS007	Distributed Systems	5
MSc.	S	KI	5II028	Database application	5
MSc.	S	KMME	5IE012	Forecasting	6

Degree	Term	Department	Code	Course name	ECTS
MSc.	S	KMMOA	5IA006	Mathematical programming	5
MSc.	S	KMMOA	5IA008	Metaheuristics	5
MSc.	S	KMMOA	5IA010	Implementation of optimisation algorithms	5
MSc.	S	KMMOA	5II008	Discrete simulation	5
MSc.	S	KMMOA	5IS006	Geographic information systems	5
MSc.	S	KMMOA	5IA002	Information Theory	5
MSc.	S	KTK	5IH002	Desing of the Custommer Integrated Circuits	5
MSc.	S	KTK	5IH010	Signal Compression Methods	6
MSc.	S	KTK	5IH006	Data Transmission	5

Departments

KMME	Dept. of Macro and Micro Economy
KTK	Dept. of Technical Cybernetics
KST	Dept. of Software Technologies
KMnT	Dept. of Managerial Teories
KIS	Dept. of Information Networks
KI	Dept. of Informatics
KMMOA	Dept. of Mathematical Methods and Operations Research

Term:	
F	Fall
S	Spring

Faculty of Security Engineering

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WINTER SEMESTER			
SUBJECT	DEPARTMENT	CODE	CREDIT
Security System Designing	Department of Security Management	91350	5
Management of Public Administration	Department of Security Management	91110	5
Risk Theory	Department of Crisis Management	91051	5
Crisis Management	Department of Crisis Management	92071	6
Planning and Forecasting	Department of Crisis Management	91050	5
Marketing	Department of Crisis Management	92133	5
Fire safety in buildings	Department of Fire Engineering	91251	6
Crisis Situations Solution – Nature	Department of Fire Engineering	92155	5
Fire Prevention	Department of Fire Engineering	92231	5
Dangerous Substances	Department of Fire Engineering	91261	4

Radiating, Chemical And Biological Protection	Department of Fire Engineering	92451	4
Logistics in Civil Protection	Department of Technical Sciences and Informatics	92027	5
Managerial Information Systems	Department of Technical Sciences and Informatics	91012	4
Informatics II	Department of Technical Sciences and Informatics	92030	3

SUMMER SEMESTER			
SUBJECT	DEPARTMENT	CODE	CREDIT
Security System Designing	Department of Security Management	91350	5
Management of Public Administration	Department of Security Management	91110	5
Risk Theory	Department of Crisis Management	91051	5
Crisis Management	Department of Crisis Management	92071	6
Planning and Forecasting	Department of Crisis Management	91050	5
Marketing	Department of Crisis Management	92133	5
Fire safety in buildings	Department of Fire Engineering	91251	6
Crises Situations Solution – Nature	Department of Fire Engineering	92155	5
Fire Prevention	Department of Fire Engineering	92231	5
Dangerous Substances	Department of Fire Engineering	91261	4
Radiating, Chemical And Biological Protection	Department of Fire Engineering	92451	4
Logistics in Civil Protection	Department of Technical Sciences and Informatics	92027	5
Managerial Information Systems	Department of Technical Sciences and Informatics	91012	4
Informatics II	Department of Technical Sciences and Informatics	92030	3

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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 Mathematics
- Courses in English provided by Department of Music
- Courses in English provided by Department of Mediatics and Cultural Heritage

Institute of High Mountain Biology

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http://www.vuvb.uniza.sk/#/ihmb/education/ranger/study_plan/study_plan_show_eng

Degree Bc

WINTER SEMESTER			
SUBJECT	DEPARTMENT	CODE	CREDIT
Environmental Impact Assessment - EIA	Institute of High Mountain Biology	62124	7
Global and Landscape Ecology	Institute of High Mountain Biology	62141	7
Nature and Landscape Protection - Legislation and International Strategies of Protection	Institute of High Mountain Biology	63209	7
Environmental Law and Management	Institute of High Mountain Biology	63221	7
Molecular ecology	Institute of High Mountain Biology	62129	2
Etnography	Institute of High Mountain Biology	62130	2
Ethology	Institute of High Mountain Biology	63208	2

SUMMER SEMESTER			
SUBJECT	SUBJECT	CODE	CREDIT
Natural resources IV – Fauna	Institute of High Mountain Biology	63215	8
Field Competence I. Cynology and horseriding	Institute of High Mountain Biology	63216	2
Field Competence II. - Principles of climbing and ski training	Institute of High Mountain Biology	632177	2
Field Course in Zoology	Institute of High Mountain Biology	63218	5
Environment of the Slovak Republic	Institute of High Mountain Biology	63219	7
High Mountain Biology	Institute of High Mountain Biology	62128	2
Wildlife and Fishing Management	Institute of High Mountain Biology	63220	2