

Courses in English for Erasmus+ incoming students - 2019/2020

Annex to the University of Žilina Erasmus+ Fact Sheet

UNIZA Website - information for incoming students:

<https://www.uniza.sk/index.php/en/study/study-options/erasmus>

Faculty of Operation and Economics of Transport and Communications

Erasmus+ contact: Ing. Vladimír Šalaga, PhD.

Faculty exchange coordinator, Tel: + 421-41-513 3062, E-mail: vladimir.salaga@fpedas.uniza.sk

Faculty Website - information for incoming students:

<https://fpedas.uniza.sk/en/erasmus/erasmus-incoming-students>

Faculty of Mechanical Engineering

Erasmus+ contact: Mgr. Renata Janovcikova

Faculty exchange coordinator, Tel: +4215132518, E-mail: renata.janovcikova@fstroj.uniza.sk

Faculty Website - information for incoming students:

http://fstroj.uniza.sk/socrates/index_en.html

Bc. Degree - Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
2A010	Automation of Mechanical Engineering Production	all	4	DAaPS	English
2A019	Thermomechanics	all	5	DPE	English
2A022	Machine Building	all	6	DDaME	English
2A024	Technical Chemistry	all	4	DME	English
2A025	Quality of Material Checking	all	4	DME	English

Bc. Degree - Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
2A005	Mechanics of Materials I	all	7	DAME	English
2A008	Automotive Engines I	all	7	DTTaHE	English
2A014	Robots and Manipulators	all	4	DAaPS	English
2A016	Transportation Systems	all	2	DTTaHE	English
2A018	Alternative Energy Sources	all	7	DPE	English
2A020	Applied Tribology	all	5	DDaME	English
2A021	CAD Systems	all	3	DDaME	English
2A023	Materials Science	all	5	DME	English

MSc. Degree - Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
2A001	Applied Mathematics	all	6	DAM	English
2A002	Experimental Methods in Mechanics	all	6	DAME	English
2A003	Finite Element Method I	all	5	DAME	English
2A006	Mechanics of Materials II	all	6	DAME	English
2A009	Automotive Engines II	all	5	DTTaHE	English
2A011	CAX Systems	all	5	DAaPS	English
2A012	Expert Systems	all	5	DAaPS	English
2A013	CNC Machine Tools Programming	all	6	DAaPS	English
2A015	Maintenance Systems	all	5	DTTaHE	English
2A017	Theory of Rail Vehicles	all	6	DTTaHE	English
2A026	Fatigue of Materials	all	6	DME	English
2A027	Methods of Structure Analysis	all	6	DME	English
2A029	Corrosion and Surface Treatment	all	5	DME	English
2A031	Theory of Cutting	all	6	DMaME	English
2A032	Operational Management	all	6	DIE	English
2A035	Investment Casting Technology II	all	6	DTE	English
2A038	Foreign language	all	6	IFL	English

MSc. Degree - Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
2A004	Finite Element Method II	all	5	DAME	English
2A007	Ergonomics and Ecology of Means of Transport	all	6	DTTaHE	English
2A028	Fractography	all	6	DME	English
2A030	Machining of Hard-to-machine Materials	all	5	DMaME	English
2A033	Purchasing and Distribution Logistics	all	4	DIE	English
2A034	Investment Casting Technology I	all	6	DTE	English
2A036	Diploma Project	all	30	all	English
2A037	Noise and Vibrations	all	6	DTTaHE	English
2A039	Foreign language	all	6	IFL	English

Faculty of Electrical Engineering and Information Technology

Erasmus+ contact: **Mgr. Silvia Pirníková**

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Faculty Website - information for incoming students:

http://fel.uniza.sk/en/index.php?option=com_k2&view=item&layout=item&id=467&Itemid=527

http://fel.uniza.sk/en/index.php?option=com_k2&view=item&layout=item&id=459&Itemid=531

Bc. Degree - Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
3B0102	<u>Algorithmisation and programming</u>	Automation	6	DCIS	English
3B0304	<u>Theory of information and signals</u>	Automation	5	DCIS	English
3B1501	<u>Single-chip controllers programming</u>	Automation	6	DCIS	English
3B0101	<u>Electrical Circuits 1</u>	All study programmes	6	DEBE	English
3B0301	<u>Electrical Circuits 3</u>	All study programmes	7	DEBE	English
3B3502	<u>Design and Construction of Medical Devices</u>	Biomedical Engineering	5	DEBE	English
3B3504	<u>Wave Processing in Medicine</u>	Biomedical Engineering	5	DEBE	English
3B0512	<u>Sensors in Technology</u>	Electrical Engineering	6	DMAEE	English
3B0302	<u>Electronics 1</u>	All study programmes	5	DME	English
3B2300	<u>Autotronics</u>	Autotronics	5	DME	English
3B0314	<u>Logical Circuits</u>	Telecommunications	5	DME	English
3B0504	<u>Power electronics</u>	Electrical Engineering	6	DME	English
3B0316	<u>Communication technologies 2</u>	Telecommunications/Multimedia Tec	5	DMICT	English
3B7402	<u>Communication technologies 3</u>	Telecommunications	5	DMICT	English
3B0310	<u>Introduction to signals and systems</u>	Telecommunications/Multimedia Tec	4	DMICT	English
3B0507	<u>Electroacoustic</u>	Multimedia Technologies	5	DMICT	English
3B0510	<u>Design of multimedia WEB pages 1</u>	Multimedia Technologies	5	DMICT	English
3B7501	<u>Analog circuit systems 2</u>	Telecommunications	6	DMICT	English
3B7504	<u>Computer networks 2</u>	Telecommunications	5	DMICT	English
3B7503	<u>Radiocommunication systems</u>	Telecommunications	4	DMICT	English
3B0103	<u>Introduction to Physics</u>	All study programmes	5	DPh	English
3B0303	<u>Physics 2</u>	All study programmes	5	DPh	English
3B0309	<u>Computer Modelling of Real Processes</u>	All study programmes	3	DPh	English
3B0509	<u>Introduction to photonics</u>	All study programmes	4	DPh	English
3B0506	<u>Electrical apparatus</u>	Electrical Engineering	6	DPSED	English
3B0508	<u>Electricity generation</u>	Electrical Engineering	6	DPSED	English
3B5500	<u>Electricity transmission</u>	Electrical Engineering	6	DPSED	English
3B5504	<u>Electric traction 1</u>	Electrical Engineering	6	DPSED	English
3B0506	<u>Electric drives 1</u>	Electrical Engineering	6	DPSED	English
3B5502	<u>Selected topics of electrical machines</u>	Electrical Engineering	6	DPSED	English
3B5506	<u>Electrical machines in English 2</u>	Electrical Engineering	3	DPSED	English
3B5507	<u>Application of digital signal controllers 1</u>	Electrical Engineering	3	DPSED	English

Bc. Degree - Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
3B0203	<u>Programming in C++</u>	Automation	5	DCIS	English
3B1400	<u>Theory of automatic control</u>	Automation	6	DCIS	English
3B1402	<u>Distributed control systems</u>	Automation	6	DCIS	English
3B1403	<u>Sensor Technology</u>	Automation	6	DCIS	English
3B0401	<u>Technical Background of Computers</u>	Automation	3	DCIS	English
3B1601	<u>Control Systems Programming</u>	Automation	5	DCIS	English
3B1602	<u>Information systems in process control</u>	Automation	2	DCIS	English
3B0201	<u>Electrical Circuits 2</u>	All study programmes	5	DEBE	English
3B3401	<u>Electromagnetic Field</u>	Biomedical Engineering	6	DEBE	English
3B3400	<u>Sensors and Measuring Methods in Biomedicine</u>	Biomedical Engineering	5	DEBE	English
3B3402	<u>Programming Languages- MATLAB</u>	Biomedical Engineering	5	DEBE	English
3B0204	<u>Measurement and Measuring Systems</u>	All study programmes	5	DMAEE	English
3B0400	<u>Electronics 2</u>	All study programmes	5	DME	English
3B0406	<u>Microprocessor systems</u>	Autotronics	6	DME	English
3B0407	<u>Mechatronics</u>	Autotronics/Electrical Engineering	6	DME	English
3B0407	<u>Mechatronics</u>	Electrical Engineering	6	DME	English
3B0611	<u>Electronic Devices Design</u>	Electrical Engineering	4	DME	English
3B0605	<u>Power semiconductor systems</u>	Electrical Engineering	6	DME	English
3B0212	<u>Communication technologies 1</u>	Telecommunications/Multimedia Tec	5	DMICT	English
3B0409	<u>Transmission media</u>	Multimedia Technologies	5	DMICT	English
3B7400	<u>Analog circuit systems 1</u>	Telecommunications	5	DMICT	English
3B0408	<u>JAVA - language and applications development</u>	Telecommunications/Multimedia Tec	5	DMICT	English
3B7404	<u>Computer networks 1</u>	Telecommunications	5	DMICT	English
3B6402	<u>Studio technology</u>	Multimedia Technologies	7	DMICT	English
3B0202	<u>Physics 1</u>	All study programmes	7	DPh	English
3B0414	<u>Optics for photonics</u>	All study programmes	5	DPh	English
3B0608	<u>Introduction to fibre optics</u>	All study programmes	5	DPh	English
3B0207	<u>Enterprise management and economy</u>	Electrical Engineering	2	DPSED	English
3B0415	<u>Design of electrical wiring</u>	Electrical Engineering	6	DPSED	English

3B5402	<u>Introduction to electric drives</u>	Electrical Engineering	6	DPSED	English
3B5404	<u>Electrical machines in English 1</u>	Electrical Engineering	3	DPSED	English
3B0607	<u>Quality management</u>	Electrical Engineering	4	DPSED	English
3B0606	<u>Electric drives 2</u>	Electrical Engineering	6	DPSED	English
3B0609	<u>Design Fundamentals in Power Systems</u>	Electrical Engineering	2	DPSED	English
3B5607	<u>Applications of Digital Signal Controllers 2</u>	Electrical Engineering	3	DPSED	English

MsC. Degree - Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
3I0101	<u>Advanced Methods of Automatic Control</u>	Process Control/Applied Telematics	7	DCIS	English
3I0102	<u>Communication Networks</u>	Process Control/Applied Telematics	6	DCIS	English
3I0103	<u>Theory of signal processing in process control</u>	Process Control/Applied Telematics	6	DCIS	English
3I0104	<u>Elements in railway signalling systems</u>	Process Control/Applied Telematics	6	DCIS	English
3I7100	<u>Control systems with safety PLC</u>	Process Control	6	DCIS	English
3I0318	<u>Object oriented system development</u>	Process Control	7	DCIS	English
3I0302	<u>Application of railway signalling systems</u>	Process Control	6	DCIS	English
3I0115	<u>Information Systems Security</u>	Process Control	6	DCIS	English
3I0300	<u>Artificial intelligence 2</u>	Process Control/Applied Telematics	7	DCIS	English
3I2100	<u>Medical Electronics</u>	Biomedical Engineering	7	DEBE	English
3I2101	<u>Modelling and Simulation of Electronic Circuits and Systems</u>	Biomedical Engineering	6	DEBE	English
3I2102	<u>Compatibility of Biological and Technical Systems</u>	Biomedical Engineering	6	DEBE	English
3I2300	<u>Biomedical Image Processing</u>	Biomedical Engineering	6	DEBE	English
3I2301	<u>Signal Processing in Medicine</u>	Biomedical Engineering	7	DEBE	English
3I0114	<u>Electromagnetic Field Modelling</u>	Power Electronic Systems/Telecomm	5	DMAEE	English
3I9101	<u>Digital Measuring Devices and Systems</u>	Power Electronic Systems	5	DMAEE	English
3I9105	<u>Simulation tools in power electronics</u>	All study programmes	4	DME	English
3I0108	<u>Microprocessors, microcomputers & DSP</u>	Power Electronic Systems	7	DME	English
3I9102	<u>Computers in industrial automation 2</u>	Power Electronic Systems	5	DME	English
3I9103	<u>Vehicle Motion Dynamics</u>	Power Electronic Systems	5	DME	English
3I9105	<u>Simulation Tools in Power Electronics</u>	Power Electronic Systems	5	DME	English
3I9300	<u>Design and Construction of Power Electronic Systems</u>	Power Electronic Systems	8	DME	English
3I9303	<u>Electric transfer of HEV and EV vehicles power</u>	Power Electronic Systems	5	DME	English
3I9304	<u>Power Electronics Applications</u>	Power Electronic Systems	5	DME	English
3I9305	<u>Logic circuits</u>	Power Electronic Systems	5	DME	English
3I9306	<u>Control systems of EV and HEV vehicles</u>	Power Electronic Systems	5	DME	English
3I6101	<u>Radiocommunication networks (RS)</u>	Multimedia Engineering	5	DMICT	English
3I0112	<u>Signals and communication systems</u>	Telecommunication and Radiocomm	6	DMICT	English
3I8104	<u>Electromagnetic Wave Propagation and Antennas</u>	Telecommunication and Radiocomm	6	DMICT	English
3I6103	<u>Room acoustics</u>	Multimedia Engineering	5	DMICT	English
3I6104	<u>Multimedia WEB pages design</u>	Multimedia Engineering	5	DMICT	English
3I6300	<u>Distribution of Multimedia Signals</u>	Multimedia Engineering	4	DMICT	English
3I8301	<u>Radiocommunication systems and networks 2</u>	Telecommunication and Radiocomm	6	DMICT	English
3I8306	<u>Microwave systems</u>	Telecommunication and Radiocomm	8	DMICT	English
3I0308	<u>Digital image processing</u>	Telecommunication and Radiocomm	6	DMICT	English
3I5100	<u>Physics of materials and structures</u>	All study programmes	6	DPh	English
3I5101	<u>Photonics</u>	All study programmes	6	DPh	English
3I5103	<u>Modelling and simulation in photonics</u>		5	DPh	English
3I0312	<u>Laser and laser systems</u>	All study programmes	6	DPh	English
3I0309	<u>Applied optics and light technique</u>	All study programmes	6	DPh	English
3I5301	<u>Integrated optics and optoelectronics</u>	All study programmes	5	DPh	English
3I3101	<u>Control of electric drives 1</u>	Electric Drives	6	DPSED	English
3I3100	<u>Analysis of electrical machines</u>	Electric Drives	6	DPSED	English
3I4101	<u>Transients in power systems</u>	Electric Power Systems	7	DPSED	English
3I4102	<u>Power plants</u>	Electric Power Systems	6	DPSED	English
3I4103	<u>Electric Substations</u>	Electric Power Systems	6	DPSED	English
3I4301	<u>Feasibility calculations for power networks development</u>	Electric Power Systems	6	DPSED	English
3I4302	<u>Information systems for power system control and monitoring</u>	Electric Power Systems	5	DPSED	English
3I3300	<u>Sensorless control of electric drives</u>	Electric Drives	7	DPSED	English
3I3301	<u>Discrete control of electric drives (DREP)</u>	Electric Drives	7	DPSED	English

MsC. Degree - Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
3I0202	<u>Analysis of control system safety (ABRS)</u>	Process Control/Applied Telematics	7	DCIS	English
3I0203	<u>Artificial intelligence 1</u>	Process Control/Applied Telematics	5	DCIS	English
3I0204	<u>Applications of Higher Programming Languages (AVPJ)</u>	Process Control/Applied Telematics	6	DCIS	English
3I0205	<u>Railway signalling systems</u>	Process Control/Applied Telematics	6	DCIS	English
3I0401	<u>Automatic identification</u>	Process Control	5	DCIS	English
3I0402	<u>Security Systems</u>	Process Control	6	DCIS	English
3I0400	<u>Robotic systems</u>	Process Control	5	DCIS	English
3I2200	<u>Information Systems in Medicine</u>	Biomedical Engineering	6	DEBE	English
3I2201	<u>Technical Means for Medicine</u>	Biomedical Engineering	7	DEBE	English
3I2202	<u>Acquisition and Analysis of Biopotentials</u>	Biomedical Engineering	6	DEBE	English
3I2203	<u>Artificial Intelligence in Biomedicine</u>	Biomedical Engineering	6	DEBE	English
3I2204	<u>Fundamentals of Ecology</u>	Biomedical Engineering	5	DEBE	English
3I0210	<u>Power semiconductor converters</u>	Power Electronic Systems	7	DME	English
3I0217	<u>Integrated Circuits Design</u>	Power Electronic Systems	5	DME	English

310212	<u>Traction batteries and charging infrastructure</u>	Power Electronic Systems	6	DME	English
310219	<u>Virtual instrumentation</u>	Power Electronic Systems	6	DME	English
319200	<u>Analyse and Synthese od Power Electronic Circuits</u>	Power Electronic Systems	6	DME	English
319201	<u>Mechatronic systems</u>	Power Electronic Systems	6	DME	English
310407	<u>Discrete control of power systems</u>	Power Electronic Systems	6	DME	English
319403	<u>Economic aspects of electromobility</u>	Power Electronic Systems	6	DME	English
316203	<u>WEB applications design</u>	Multimedia Engineering	6	DMICT	English
316200	<u>Digital television and New Services</u>	Multimedia Engineering	6	DMICT	English
316204	<u>3D applications design</u>	Multimedia Engineering	6	DMICT	English
318201	<u>Radiocommunication systems and networks 1</u>	Telecommunication and Radiocomm	6	DMICT	English
318200	<u>Higher programming languages</u>	Telecommunication and Radiocomm	6	DMICT	English
310214	<u>Digital audio processing</u>	Telecommunication and Radiocomm	6	DMICT	English
310215	<u>Discrete signals processing</u>	Telecommunication and Radiocomm	6	DMICT	English
318202	<u>Photonic Communication Systems</u>	Telecommunication and Radiocomm	6	DMICT	English
310409	<u>Trends in Information and Communication Technologies</u>	Telecommunication and Radiocomm	3	DMICT	English
315200	<u>Semiconductor and semiconductor structures</u>	All study programmes	6	DPh	English
315201	<u>Sources and detectors of radiation</u>	All study programmes	6	DPh	English
310218	<u>Optical sensors</u>	All study programmes	5	DPh	English
315202	<u>Waveguide optics</u>	All study programmes	6	DPh	English
310211	<u>Electrical machines for special purposes (SES)</u>	Electric Drives	6	DPSED	English
313200	<u>Control of electric drives 2 (REP2)</u>	Electric Drives	6	DPSED	English
310213	<u>Power system modelling</u>	Electric Power Systems	4	DPSED	English
314200	<u>Power system control</u>	Electric Power Systems	8	DPSED	English
314201	<u>Renewable energy sources</u>	Electric Power Systems	6	DPSED	English
314202	<u>Protective relaying</u>	Electric Power Systems	7	DPSED	English
313203	<u>Electric Traction</u>	Electric Drives	6	DPSED	English
310316	<u>Systematic design methods</u>	All study programmes	5	DPSED	English

Faculty of Civil Engineering

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Faculty Website - information for incoming students:

http://svf.uniza.sk/index.php?option=com_content&view=category&layout=blog&id=45&Itemid=62&lang=en

Bc. Degree - Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
41C101	Building Materials	Civil Engineering	5	ŽUŽ, SvF, KSKM	EN
41C102	Descriptive Geometry	Civil Engineering	4	ŽUŽ, SvF, KSM	EN
41C103	Geology	Civil Engineering	5	ŽUŽ, SvF, Kgt	EN
41C104	Mathematics 1	Civil Engineering	7	ŽUŽ, SvF, KSM	EN
41C105	Urban Planning 1	Civil Engineering	4	ŽUŽ, SvF, KPSU	EN
41C301	Foreign Language 1	Civil Engineering	2	ŽUŽ, ÚCJ	EN
41C302	Geomechanics	Civil Engineering	6	ŽUŽ, SvF, KGt	EN
41C303	Chapters of Building Structures 1	Civil Engineering	5	ŽUŽ, SvF, KPSU	EN
41C304	Statics of Structures 2	Civil Engineering	5	ŽUŽ, SvF, KSM	EN
41C305	Strength and Elasticity 1	Civil Engineering	6	ŽUŽ, SvF, KSM	EN
41C306	Principle of Design of Structures	Civil Engineering	4	ŽUŽ, SvF, KSKM	EN
41C501	Economy in Building Industry 1	Civil Engineering	5	ŽUŽ, SvF, KTMS	EN
41C502	Engineering Geology 1	Civil Engineering	5	ŽUŽ, SvF, KGt	EN
41C503	Railway Engineering 1	Civil Engineering	5	ŽUŽ, SvF, KŽSTH	EN
41C504	Road Engineering 1	Civil Engineering	5	ŽUŽ, SvF, KCS	EN
41C505	Transport Engineering 1	Civil Engineering	5	ŽUŽ, SvF, KCS	EN
41C506	Semestral Project of Concrete Structures and Steel Structures	Civil Engineering	2	ŽUŽ, SvF, KSKM	EN
41C107	Mathematical Seminar 1	Civil Engineering	2	ŽUŽ, FHV, KMA	EN
41C106	Civil Chemistry	Civil Engineering	3	ŽUŽ, SvF, KSKM	EN
41C307	Engineering Networks	Civil Engineering	3	ŽUŽ, SvF, KPSU	EN
41C507	CAD 2	Civil Engineering	2	ŽUŽ, SvF, KCS	EN
41C508	Masonry Structures 1	Civil Engineering	5	ŽUŽ, SvF, KSKM	EN
41C509	Surveying 2	Civil Engineering	5	ŽUŽ, SvF, KGd	EN
41C510	Timber Structures 1	Civil Engineering	5	ŽUŽ, SvF, KSKM	EN

Bc. Degree - Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
41C201	Hydromechanics and Hydrology	Civil Engineering	5	ŽUŽ, SvF, KGt	EN
41C202	Mathematics 2	Civil Engineering	7	ŽUŽ, SvF, KSM	EN
41C203	Physics	Civil Engineering	5	ŽUŽ, EF, KF	EN
41C204	Statics of Structures 1	Civil Engineering	7	ŽUŽ, SvF, KSM	EN
41C401	Concrete Structures 1	Civil Engineering	5	ŽUŽ, SvF, KSKM	EN
41C402	Foreign Language 2	Civil Engineering	3	ŽUŽ, ÚCJ	EN
41C403	Foundation of Structures 1	Civil Engineering	5	ŽUŽ, SvF, KGt	EN
41C404	Land Surveying	Civil Engineering	1	ŽUŽ, SvF, KGd	EN
41C405	Special Practice Bc.	Civil Engineering	1	ŽUŽ, SvF	EN
41C406	Steel Structures 1	Civil Engineering	5	ŽUŽ, SvF, KSKM	EN
41C407	Surveying 1	Civil Engineering	5	ŽUŽ, SvF, KGd	EN

41C601	Bridges	Civil Engineering	5	ŽUŽ, SvF, KSKM	EN
41C602	Construction Preparation and Management	Civil Engineering	5	ŽUŽ, SvF, KTMS	EN
41C603	Semestral Project of Road Engineering and Railway Engineering	Civil Engineering	2	ŽUŽ, SvF, CS/ŽS	EN
41C604	Construction of Technologies 1 - Building Engines and Mechaniza	Civil Engineering	5	ŽUŽ, SvF, KTMS	EN
41C605	Bachelor's Dissertation and Thesis Defense	Civil Engineering	6	ŽUŽ, SvF, KTMS	EN
41C606	Compulsatory Subject of Final Examination	Civil Engineering	3	ŽUŽ, SvF	EN
41C607	Optional Subject of Final Examination	Civil Engineering	3	ŽUŽ, SvF	EN
41C205	Mathematical Seminar 2	Civil Engineering	2	ŽUŽ, FHV, KMA	EN
41C206	Physical Seminar	Civil Engineering	2	ŽUŽ, EF, KF	EN
41C207	Urban Planning 2	Civil Engineering	4	ŽUŽ, SvF, KPSU	EN
41C408	Environment Protection and Safety and Protection at Work	Civil Engineering	2	ŽUŽ, SvF, KCS	EN
41C409	CAD 1	Civil Engineering	2	ŽUŽ, SvF, KŽSTH	EN
41C410	Computer Programming 1	Civil Engineering	3	ŽUŽ, SvF, KGt	EN
41C411	Hydrotechnical Structures	Civil Engineering	5	ŽUŽ, SvF, KGt	EN
41C608	Law of Civil Engineering 1	Civil Engineering	3	ŽUŽ, SvF, KCS	EN
41C609	Railway Engineering 2	Civil Engineering	5	ŽUŽ, SvF, KŽSTH	EN
41C610	Road Engineering 2	Civil Engineering	5	ŽUŽ, SvF, KCS	EN

Faculty of Management Science and Informatics

Erasmus+ contact: assoc. prof. Ing. Peter Márton, PhD.

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Faculty Website - information for incoming students:

<https://www.fri.uniza.sk/en/stranka/general-information-erasmus-sk-zilina01>

Bc. Degree - Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
5BA117	Data, Information, Knowledge	061	5	KMME	English
5BA119	Modelling and optimization	061	5	KMMOA	English
5BE101	Basic Economics	041	5	KMME	English
5BE118	Marketing	041	5	KMnT	English
5BE125	Quality management	041	5	KST	English
5BF101	Algebra	061	5	KMMOA	English
5BF107	Electronics	061	5	KTK	English
5BF115	Mathematics for programmers	061	7	KST	English
5BF117	Mathematical Analysis 1	061	6	KMMOA	English
5BH101	Logical Systems	061	5	KTK	English
5BH104	Digital Systems	061	5	KTK	English
5BH105	Electronic System	061	5	KTK	English
5BH121	Technical components of PC	061	3	KTK	English
5BI125	Assembly language programming	061	5	KMMOA	English
5BI137	Informatics 1 (OOP - basic, Java)	061	7	KST	English
5BI139	Informatics 3 (C++ programming)	061	6	KST	English
5BI146	Software modeling	061	5	KST	English
5BL106	Psychology	041	5	KMnT	English
5BM121	Managerial Presentation Skills	041	5	KMnT	English
5BM123	Marketing communication	041	4	KMnT	English
5BN103	Computer Networks 1	061	5	KIS	English
5BS101	Operating Systems	061	5	KI	English
5BS124	Open Geodata	061	2	KMMOA	English
5UA113	Modelling and simulation	061	5	KMMOA	English
5UM111	Project management	041	5	KST	English
5US107	Multimedia Information Systems	061	6	KMMOA	English
5UI101	Programming languages for embedded systems	061	5	KI	English
5BL109	Physical Education		1	IPE	English
5BL102	Basics of Slovak Language		3	ILE	English

Bc. Degree - Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
5BA122	Discrete Optimization	061	5	KMMOA	English
5BA124	Discrete Probability	061	6	KST	English
5BA126	Algorithmic Graph Theory	061	5	KMMOA	English
5BE102	Microeconomics	041	5	KMME	English
5BE108	Macroeconomics	041	5	KMME	English
5BF104	Electrotechnical Circuits	061	5	KTK	English
5BF114	Mathematical Analysis 2	061	6	KMMOA	English
5BH121	Technical components of PC	061	3	KTK	English
5BI106	Basics of database systems	061	5	KI	English
5BI138	Informatics 2 (OOP - advanced, Java)	061	7	KST	English
5BL104	Economic and law aspects of business	041	5	KMME	English
5BL142	Sociology	041	5	KMnT	English
5BM116	Operations Management	041	5	KMnT	English
5BM120	Management 2	041	6	KMnT	English
5BN104	Computer Networks 2	061	5	KIS	English
5BN110	Principles of information and communication techno	061	5	KIS	English

5US103	Software engineering	061	5	KST	English
5US109	Internet and Intranet application development	061	5	KST	English
5BL109	Physical Education		1	IPE	English
5BL102	Basics of Slovak Language		3	ILE	English

MSc. Degree - Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
5IA211	Machine Learning Application of Optimization Methods	061	5	KMMOA	English
5IE227	Econometrics	041	5	KMME	English
5IH215	Applications of the Microprocessors Implemented in	061	6	KTK	English
5II101	Fuzzy sets and neural networks	061	5	KMMOA	English
5II107	Advanced database systems	061	5	KI	English
5II115	Algorithms and data structures 2	061	5	KMMOA	English
5II217	Cryptography and Safety	061	5	KMMOA	English
5II219	Computer Speech Recognition	061	5	KTK	English
5II223	Artificial Intelligence	061	5	KMMOA	English
5II232	Design Patterns	061	5	KI	English
5IM209	Strategy Management	041	5	KMnT	English
5IN209	Network optimization	061	5	KMMOA	English
5IN235	Access networks	061	5	KIS	English
5IN237	Communication Theory	061	7	KIS	English
5IS215	Network Operating Systems	061	6	KIS	English
5BL109	Physical Education		1	IPE	English
5BL102	Basics of Slovak Language		3	ILE	English

MSc. Degree - Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
5IA202	Theory of information	061	5	KMMOA	English
5IA208	Metaheuristics	061	5	KMMOA	English
5IA210	Implementation of optimisation algorithms	061	5	KMMOA	English
5IE212	Forecasting	041	5	KMME	English
5IH202	Design of the Customer Integrated Circuits	061	5	KTK	English
5IH210	Signal Compression Methods	061	5	KTK	English
5II208	Discrete simulation	061	5	KMMOA	English
5IN216	Design of Networks 1	061	7	KIS	English
5IS206	Geographic information systems	061/041	5	KMMOA	English
5BL109	Physical Education		1	IPE	English
5BL102	Basics of Slovak Language		3	ILE	English

Faculty of Security Engineering

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Faculty Website - information for incoming students:

http://fbi.uniza.sk/en/index.php?option=com_k2&view=item&layout=item&id=467&Itemid=527

Bc. Degree - Winter Semester/Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
9BD017	Informatics II		3	Department of Tech	English
9ID003	Managerial Information System		5	Department of Tech	English
9BD014	Logistic in Civil Protection		5	Department of Tech	English
9ID803	Radiating, Chemical And Biological Protection		5	Department of Fire	English
9BD109	Public Administration		4	Department of Secu	English
9BD030	Marketing		4	Department of Crisis	English
9BD050	Critical Infrastructure Protection		5	Department of Tech	English
9BD020	Technical drawings		3	Department of Secu	English
9BD036	Risk Management		5	Department of Crisis	English
9BD024	Fundamentals of Structural Mechanics		5	Department of Tech	English
9BD002	Macroeconomics		5	Department of Crisis	English
9BD201	Responding to Environmental Crisis Situations		4	Department of Fire	English

MSc. Degree - Winter Semester/Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
9ID516	Designing of physical protection systems		4	Department of Secu	English
9ID505	Alarm systems – Video Surveillance Systems		4	Department of Secu	English
9BD409	Introduction to Fire and Safety in Buildings		4	Department of Fire	English
9ID023	Risks of Industrial Processes		5	Department of Crisis	English
9BD053	Dangerous Substances		4	Department of Fire	English
9BD402	Fire Prevention		4	Department of Fire	English
9ID020	Planning and Forecasting		5	Department of Crisis	English
9ID011	Crisis Management		5	Department of Crisis	English
9ID502	Alarm systems Intruder Alarms and Hold Up Systems		4	Department of Secu	English
9BD035	Managerial Statistics		5	Department of Crisis	English
9ID027	Business Risks		4	Department of Crisis	English

9ID808	Occupational health and safety in rescue services		4	Department of Fire	English
9ID604	World Economics		4	Department of Crisis	English

Faculty of Humanities

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Faculty Website - information for incoming students:

http://fhv.uniza.sk/en/docs/erasmus_courses.pdf

<http://fhv.uniza.sk/en/>

Bc. Degree - Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
8PB003	Introduction to Educational Sciences	Teaching of Subjects: English Lar	2	Department of Ped	English
8BS025	Social Psychology	Teaching of Subjects: English Lar	2	Department of Ped	English
8BS033	Ethnic, marginal and risk groups	Teaching of Subjects: English Lar	3	Department of Ped	English
8TB001	Mathematical Analysis 1	Teaching of Subjects: English Lar	5	Department of Ped	English
8TB002	Linear Algebra	Teaching of Subjects: English Lar	5	Department of Ped	English
8TB003	Complementary Exercises from Mathematical Analys	Teaching of Subjects: English Lar	2	Department of Ped	English
8TB023	Methods for Mathematical Problems Solving	Teaching of Subjects: English Lar	3	Department of Ped	English
8TB008	Mathematical Analysis 3	Teaching of Subjects: English Lar	4	Department of Ped	English
8TB011	Complementary Exercises from Mathematical Analys	Teaching of Subjects: English Lar	2	Department of Ped	English
8TB021	Differential equations	Teaching of Subjects: English Lar	4	Department of Ped	English
8PB015	Developmental Psychology	Teaching of Subjects: English Lar	2	Department of Ped	English
8PB018	Selected Concepts of Pedagogy in Foreign Language	Teaching of Subjects: English Lar	1	Department of Ped	English
8KB008	Documentology	Mediamatics and Cultural Herita	4	Department of Me	English
8KB011	Massmedia Systems 1	Mediamatics and Cultural Herita	2	Department of Me	German
8KB039	Documentation of Cultural Heritage	Mediamatics and Cultural Herita	6	Department of Me	English
8KB045	Practise of Media Communication I.	Mediamatics and Cultural Herita	2	Department of Me	English
8KB049	Media atelier	Mediamatics and Cultural Herita	2	Department of Me	English
8KB046	Preservation of Documents 1	Mediamatics and Cultural Herita	2	Department of Me	English
8KB044	Book Culture 2	Mediamatics and Cultural Herita	2	Department of Me	Hungarian
8KB042	Logic	Mediamatics and Cultural Herita	3	Department of Me	German
8KB045	Practise of Media Communication I.	Mediamatics and Cultural Herita	2	Department of Me	Russian
8KB076	Internet Marketing	Mediamatics and Cultural Herita	4	Department of Me	English
8KB085	Preservation of Documents 3	Mediamatics and Cultural Herita	2	Department of Me	English
8KB084	Practise of Media Communication III.	Mediamatics and Cultural Herita	2	Department of Me	English
8KB079	Memory Institutions	Mediamatics and Cultural Herita	4	Department of Me	Hungarian
8KB009	English language I.	Teaching of Subjects: English Lar	2	Department of Eng	English
8KB038	English language III.	Teaching of Subjects: English Lar	2	Department of Eng	English
8KB075	English language V.	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB001	Introduction to the Study of English Language 1	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB002	Phonetics and Phonology of Contemporary English L	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB003	Morphology of Contemporary English Language 1	Teaching of Subjects: English Lar	3	Department of Eng	English
8AB004	British and American Studies and Literature 1	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB005	Development of Communicative Competence 1	Teaching of Subjects: English Lar	3	Department of Eng	English
8AB011	Morphology of Contemporary English Language 3	Teaching of Subjects: English Lar	3	Department of Eng	English
8AB012	Lexicology of Contemporary English Language 1	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB013	British and American Studies and Literature 3	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB014	Development of Communicative Competence 3	Teaching of Subjects: English Lar	3	Department of Eng	English
8AB020	Syntax of Contemporary English Language 2	Teaching of Subjects: English Lar	4	Department of Eng	English
8AB021	Stylistics of Contemporary English Language	Teaching of Subjects: English Lar	4	Department of Eng	English

Bc. Degree - Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
8OB007	Introduction to Sociology	Teaching of Subjects: English Lar	8	Department of Ped	English
8PB020	Theory of Teacher Training	Teaching of Subjects: English Lar	2	Department of Ped	English
8TB007	Complementary Exercises from Mathematical Analys	Teaching of Subjects: English Lar	2	Department of Ped	English
8TB004	Mathematical Analysis 2	Teaching of Subjects: English Lar	4	Department of Ped	English
8TB006	Introduction to Study of Mathematics	Teaching of Subjects: English Lar	2	Department of Ped	English
8KB020	Creative Writing	Teaching of Subjects: English Lar	2	Department of Me	English
8KB030	Book Culture 1	Mediamatics and Cultural Herita	2	Department of Me	Hungarian
8KB026	Statistical Methods	Mediamatics and Cultural Herita	2	Department of Me	German
8KB029	Massmedia Systems 2	Mediamatics and Cultural Herita	2	Department of Me	German
8KB063	Practise of Media Communication II.	Mediamatics and Cultural Herita	2	Department of Me	English
8KB055	Project Management 4	Mediamatics and Cultural Herita	2	Department of Me	English
8KB064	Preservation of Documents 2	Mediamatics and Cultural Herita	2	Department of Me	English
8KB063	Practise of Media Communication II.	Mediamatics and Cultural Herita	2	Department of Me	Russian
8KB084	Practise of Media Communication III.	Mediamatics and Cultural Herita	2	Department of Me	Russian
8KB022	English language II.	Teaching of Subjects: English Lar	2	Department of Eng	English
8KB056	English language IV.	Teaching of Subjects: English Lar	2	Department of Eng	English
8KB098	English language VI.	Teaching of Subjects: English Lar	4	Department of Eng	English
8AB006	Introduction to the Study of English Language 2	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB007	Phonetics and Phonology of Contemporary English L	Teaching of Subjects: English Lar	4	Department of Eng	English
8AB008	Morphology of Contemporary English Language 2	Teaching of Subjects: English Lar	3	Department of Eng	English

8AB009	British and American Studies and Literature 2	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB010	Development of Communicative Competence 2	Teaching of Subjects: English Lar	3	Department of Eng	English
8AB015	Morphology of Contemporary English Language 4	Teaching of Subjects: English Lar	4	Department of Eng	English
8AB016	Lexicology of Contemporary English Language 2	Teaching of Subjects: English Lar	4	Department of Eng	English
8AB017	Syntax of Contemporary English Language 1	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB018	British and American Studies and Literature 4	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB019	Development of Communicative Competence 4	Teaching of Subjects: English Lar	4	Department of Eng	English
8AB022	Academic writing	Teaching of Subjects: English Lar	2	Department of Eng	English
8AB023	A Course in Writing a Final Thesis	Teaching of Subjects: English Lar	2	Department of Eng	English

MsC. Degree - Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
8KM008	The Cultural Heritage	Mediamatics and Cultural Herita	4	Department of Me	English
8KM015	Typography and Editing 1	Mediamatics and Cultural Herita	2	Department of Me	English
8KM011	New Media 1	Mediamatics and Cultural Herita	4	Department of Me	English
8KM001	Theory of Information Science	Mediamatics and Cultural Herita	4	Department of Me	English
8KM003	Mediamatics 1	Mediamatics and Cultural Herita	6	Department of Me	English
8KM005	Logic	Mediamatics and Cultural Herita	3	Department of Me	German
8KM049	Knowledge organization	Mediamatics and Cultural Herita	3	Department of Me	English
8KM057	New Media 3	Mediamatics and Cultural Herita	3	Department of Me	English
8KM053	Professional Practise	Mediamatics and Cultural Herita	1	Department of Me	English
8KM047	Mediamatics 3	Mediamatics and Cultural Herita	6	Department of Me	English
8KM051	Methodology of Research	Mediamatics and Cultural Herita	3	Department of Me	English
8KM063	Slovak Literature	Mediamatics and Cultural Herita	2	Department of Me	English
8KM007	English language I.	Teaching of Subjects: English Lar	2	Department of Eng	English
8KM048	English language III.	Teaching of Subjects: English Lar	2	Department of Eng	English
8AM001	Landmarks in English Literature 1	Teaching of Subjects: English Lar	4	Department of Eng	English
8AM002	EFL Didactics 1	Teaching of Subjects: English Lar	4	Department of Eng	English
8AM003	Development of Communicative Competence 1	Teaching of Subjects: English Lar	3	Department of Eng	English
8AM008	EFL Didactics 3	Teaching of Subjects: English Lar	4	Department of Eng	English
8AM009	Development of Communicative Competence 3	Teaching of Subjects: English Lar	6	Department of Eng	English
8AM010	Academic Writing	Teaching of Subjects: English Lar	3	Department of Eng	English
8AM011	A Course in Writing a Final Thesis	Teaching of Subjects: English Lar	3	Department of Eng	English

MsC. Degree - Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
8KM035	Typography and Editing 2	Mediamatics and Cultural Herita	2	Department of Me	English
8KM029	Digitization of written heritage	Mediamatics and Cultural Herita	3	Department of Me	English
8KM025	Mediamatics 2	Mediamatics and Cultural Herita	6	Department of Me	English
8KM033	New Media 2	Mediamatics and Cultural Herita	4	Department of Me	English
8KM072	Quality Management	Mediamatics and Cultural Herita	2	Department of Me	German
8KM026	English language II.	Mediamatics and Cultural Herita	2	Department of Eng	English
8KM071	English language IV.	Mediamatics and Cultural Herita	3	Department of Eng	English
8AM029	Pragmatics	Teaching of Subjects: English Lar	3	Department of Eng	English
8AM005	Landmarks in English Literature 2	Teaching of Subjects: English Lar	4	Department of Eng	English
8AM006	EFL Didactics 2	Teaching of Subjects: English Lar	4	Department of Eng	English
8AM007	Development of Communicative Competence 2	Teaching of Subjects: English Lar	3	Department of Eng	English

Institute of High Mountain Biology

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

8 april 2019

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