

# Faculty of Management Science and Informatics

**Erasmus+ contact: Prof. Ing. Peter Márton, PhD.**

☎ + 421-41-513 4053, ✉ peter.marton@fri.uniza.sk

Faculty Website: [www.fri.uniza.sk/en/stranka/general-information-erasmus-sk-zilina01](http://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
5BE117	Small and Medium Business	041	5	KMnT	English
5BE125	Quality management	041/061	5	KST	English
5BF101	Algebra	061	5	KMMOA	English
5BF107	Electronics	061	5	KTK	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, part 1)	061	7	KST	English
5BI139	Informatics 3 (C++ programming)	061	6	KST	English
5BI146	Software modelling	041	5	KST	English
5BM123	Marketing communication	041/061	4	KMnT	English
5BM131	Management of cybersecurity incidents	061	5	KIS	English
5BN103	Computer Networks 1	061	5	KIS	English
5BN114	Network security with Fortinet solutions	061	4	KIS	English
5BS124	Open Geodata	041/061	2	KMMOA	English
5II232	Design Paterns	041/061	5	KI	English
5UA113	Modelling and simulation	041/061	5	KMMOA	English
5UM211	Project management	061	5	KST	English
5US107	Multimedia Information Systems	041/061	6	KMMOA	English
5UI101	Programming languages for embedded systems	061	5	KI	English
5BL109	Physical Education		1	IPE	English
8SJZŠ	Slovak language for foreign students		3	ILE	Slovak

### 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
5BA130	Probability and Statistics	041/061	5	KMMOA	English
5BE102	Microeconomics	041	5	KMME	English
5BE108	Macroeconomics	041	5	KMME	English
5BE118	Marketing	041	5	KMNT	English
5BF104	Electrotechnical Circuits	061	5	KTK	English
5BF114	Mathematical Analysis 2	061	6	KMMOA	English
5BH118	Digital Computers	061	5	KTK	English
5BH121	Technical components of PC	061	3	KTK	English
5BI106	Basics of database systems	061	5	KI	English
5BI138	Informatics 2 (OOP, part 2)	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	5	KIS	English
5BN104	Computer Networks 2	061	5	KIS	English
5BN110	Principles of information and communication technologies	041/061	2	KMMOA	English
5BS124	Open Geodata	041/061	5	KMMOA	English
5UA113	Modelling and simulation	041/061	5	KST	English
5UI126	Electronical processing and presentation of documents	041/061	5	KST	English
5US103	Software engineering	041/061	4	KMMOA	English
5US109	Internet and Intranet application development	061	5	KST	English
5BL110	Physical Education		1	IPE	English
8SJZŠ	Slovak language for foreign students		3	ILE	English

### MsC. Degree

#### Winter Semester

Code	Course Title	Study programme	ECTS	Department	Language
5IA211	Applications of Optimization in Machine Learning	061	5	KMMOA	English
5IE227	Econometrics	041	5	KMME	English
5IH215	Applications of the Microprocessors Implemented into the FPGA Devices	061	6	KTK	English
5II201	Fuzzy sets and neural networks	061	5	KMMOA	English
5II207	Advanced database systems	061	5	KI	English
5II215	Algorithms and data structures 2	061	5	KMMOA	English
5II217	Cryptography and Safety	061	5	KMMOA	English
5II223	Artificial Intelligence	061	5	KMMOA	English
5IM209	Strategy Management	041	5	KMnT	English
5IM221	Marketing Management	041	5	KMnT	English
5IN209	Network optimization	061	5	KMMOA	English
5IS206	Geographic information systems	041/061	5	KMMOA	English
5IS215	Network Operating Systems	061	6	KIS	English
5IS219	Information Systems Security	061	5	KIS	English
5BL207	Physical Education	041/061	1	IPE	English
8SJZŠ	Slovak language for foreign students	061	3	ILE	Slovak

#### Summer Semester

Code	Course Title	Study programme	ECTS	Department	Language
5IA208	Metaheuristics	061	5	KMMOA	English
5IA210	Implementation of optimisation algorithms	061	5	KMMOA	English
5IE212	Forecasting	061	5	KMMOA	English
5IH202	Design of the Customer Integrated Circuits	041	5	KMME	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	5	KMMOA	English
5BL208	Physical Education	061	1	IPE	English
8SJZŠ	Slovak language for foreign students	061/041	3	ILE	English

