



COURSES AVAILABLE FOR ERASMUS STUDENTS

Faculty of Information Technology and Bionics

2019-2020

Fall semester

NB: This is a provisional course offer for Erasmus students. The actual course list may vary.

Course level: BSc courses can be taken by both BSc and MSc Erasmus students, whereas MSc courses can be primarily taken by Master's students only.

Term	Course level	Component code	Course title	ECTS credit	Lecture (hour)	Practice (hour)	Lab (hour)
fall	MSc	P-MIM_D41	Advanced Telecommunication Systems	4	2	0	1
fall	BSc	P-ITJEL-0014	Basic Image Processing	5	2	1	1
fall	BSc	P-ITJEL-0015	Basics of Mobile Application Development	3	1	0	2
fall	BSc	P-ITBIO-0013	Basics of Neurobiology	6	3	2	0
fall	MSc	P-ITEEA-0024	Bio- and drug delivery MEMS	5	3	1	0
fall	MSc	P-ITJEL-0024	Biomedical Signal Processing	4	2	0	2
fall	MSc	P-ITJEL-0041	Biometrics in Person Identification	3	2	0	1
fall	MSc	P-ITEEA-0035	Bionics in Practice	2	2	0	0
fall	BSc	P-ITANG-0008	Business English	2	0	2	0
fall	MSc	P-ITMED-0009	Cell Biology - Cell Technology	4	2	0	1
fall	BSc	P-ITJEL-0042	Computer Controlled Systems	5	2	2	0
fall	MSc	P-ITSZT-0053	Data Mining and Machine Learning	5	2	1	1
fall	MSc	P-ITSZT-0040	Design Patterns	5	2	2	0
fall	MSc	P-ITJEL-0025	Diagnostic Ultrasound Imaging	4	2	1	1
fall	BSc	P-ITANG-0006	English for Erasmus Purposes	0	0	2	0
fall	BSc	P-ITEEA-0014	FPGA-based Algorithm Design (FPGA alapú tervezés)	5	2	0	2
fall	MSc	P-ITEEA-0016	High-level synthesis methods on FPGA-s	5	2	0	2
fall	MSc	P-ITMED-0002	Human Physiology I.	4	3	0	0
fall	MSc	P-ITMED-0003	Human Physiology II.	4	3	0	0



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fall	BSc	P-ITANG-0010	Hungarian Language Course	3	0	3	0
fall	BSc	P-ITTAV-0004	Infocommunication Systems	3	3	0	0
fall	MSc	P-MIM_D52	Intelligent sensors	3	2	0	0
fall	BSc	P-ITBIO-0009	Introduction to Bioinformatics	5	2	2	0
fall	MSc	P-ITMAT-0011	IT Technologies in Large Enterprises	2	0	1	0
fall	MSc	P-ITSZT-0049	Java Programming for Bionics	3	0	0	3
fall	MSc	P-ITBIO-0040	Modelling Neurons and Networks	3	2	0	0
fall	MSc	P-ITMED-0007	Molecular Pathology	3	1	0	1
fall	MSc	P-ITEEA-0038	Multimodal Sensor Fusion and Navigation	5	2	1	1
fall	MSc	P-ITBIO-0038	Neural Interfaces and Prostheses	5	3	0	1
fall	BSc	P-ITEEA-0011	Neural Networks	5	2	2	0
fall	MSc	P-ITEEA-0037	Nonlinear Dynamical Systems	5	2	2	0
fall	MSc	P-ITMAT-0009	Numerical Analysis I.	4	2	0	1
fall	MSc	P-ITEEA-0022	Parallel Computing Architectures	3	2	0	0
fall	MSc	P-ITEEA-0042	Personal Navigation	4	2	1	0
fall	MSc	P-ITMED-0014	Pharmacology	4	3	0	0
fall	MSc	P-ITMED-0006	Physical Biology of the Living Cell II.	3	2	0	0
fall	MSc	P-ITFIZ-0007	Physics of Information Technology and Bionics II.	5	3	1	0
fall	MSc	P-ITEEA-0017	Printed Circuit Board Design Practice	3	1	0	2
fall	MSc	P-MIM_T4A	Programming Methodology	5	2	0	2
fall	MSc	P-ITKOZ-0008	Quality Assurance	2	1	0	0



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fall	MSc	P-ITMED-0011	Signal Transduction	3	2	0	0
fall	MSc	P-ITMAT-0018	Stochastic Signals and Systems	5	3	0	1
fall	BSc	P-ITANG-0005	TOEFL/IELTS/CAE English Exam Preparation	0	0	2	0
fall	MSc	P-ITLAB-0028	Tutored Research Project I. (IMNM-AIB)	6	0	0	6
fall	MSc	P-ITLAB-0029	Tutored Research Project II. (IMNM-AIB)	6	0	0	6
fall	MSc	P-ITEEA-0041	VLSI design theory and practice	5	2	0	2