

CORE SKILLS MODULES

Discrete courses*

*courses will be opened only if a sufficient number of students register for them.

Doctoral studies courses

Autumn

Course code	Course title	ECTS Credits	Semester
S265D001	Science Communication for the Public	1	Autumn
S274D103	Research Ethics	1	Autumn
S274D102	Design Thinking in Research	2	Autumn

Spring

Course code	Course title	ECTS Credits	Semester
H352D001	Academic and Technical Research Writing	1	Spring
S265D001	Science Communication for the Public	1	Spring
S274D104	Research Data Management	1	Spring
S274D103	Research Ethics	1	Spring
S211D010	Systematic Literature Review	1	Spring
S281D001	Digital Support and Tools for Research Writing and Publication	1	Spring
S189D101	Research Project Grant Management	2	Spring

INSTITUTE OF ENVIRONMENTAL ENGINEERING

Discrete courses*

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Doctoral studies courses

Autumn

Course code	Course title	ECTS Credits	Semester
T270D108	Sustainable Development of Cities	6	Autumn

Spring

Course code	Course title	ECTS Credits	Semester
T270D108	Sustainable Development of Cities	6	Spring

INSTITUTE OF ARCHITECTURE AND CONSTRUCTION

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Doctoral studies courses

Autumn

Course code	Course title	ECTS Credits	Semester
T230D011	Energy Efficiency of Buildings	6	Autumn

Spring

Course code	Course title	ECTS Credits	Semester
T230D011	Energy Efficiency of Buildings	6	Spring

FACULTY OF CHEMICAL TECHNOLOGY

Discrete courses*

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Doctoral studies courses

Autumn

Course code	Course title	ECTS Credits	Semester
T270D836	Modern Environmental Protection Technologies	6	Autumn
T270D104	Theory and Technologies of Air Pollution Abatement	6	Autumn
T270D102	Nanotechnologies and Environmental Protection	6	Autumn

Spring

Course code	Course title	ECTS Credits	Semester
T270D835	Advanced Water Treatment Technologies	6	Spring
T270D101	Advanced Solid Waste Treatment Technologies	9	Spring
T270D104	Theory and Technologies of Air Pollution Abatement	6	Spring
T270D102	Nanotechnologies and Environmental Protection	6	Spring

**FACULTY OF
CIVIL
ENGINEERING
AND
ARCHITECTURE**

Discrete courses*

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Doctoral studies courses

Autumn

Course code	Course title	ECTS Credits	Semester
H003D001	Transdisciplinary Research Methods	6	Autumn
H312D102	Urban Genotypes	6	Autumn
H312D010	Cultural Ecology	6	Autumn
T230D113	Non-destructive Methods of Testing Building Structures	3	Autumn
T230D238	Methods of investigation and analysis of construction materials	3	Autumn
T230D105	Structure and Properties of Concrete	9	Autumn

Spring

Course code	Course title	ECTS Credits	Semester
H312D106	Contemporary Architectural Theory	6	Spring
H312D102	Urban Genotypes	6	Spring
H312D010	Cultural Ecology	6	Spring
T230D113	Non-destructive Methods of Testing Building Structures	3	Spring
T230D238	Methods of investigation and analysis of construction materials	3	Spring
T230D105	Structure and Properties of Concrete	9	Spring
T230D111	Sustainability Assessment of Buildings and Construction	3	Spring
T230D112	Statistical Techniques for Civil Engineering Research	3	Spring

FACULTY OF ELECTRICAL AND ELECTRONICS ENGINEERING

Discrete courses*

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Doctoral studies courses

Autumn

Course code	Course title	ECTS Credits	Semester
T110D801	Metrology and Measurement Methodology	9	Autumn
T110D811	Electrical Measurement Techniques of Non-Electrical Quantities	9	Autumn
T110D010	Ultrasonic Measurements	6	Autumn

Spring

Course code	Course title	ECTS Credits	Semester
T121D010	Digital Signal Processing Methods and Applications	6	Spring
T110D100	Non-Destructive Testing Methods	6	Spring

FACULTY OF INFORMATICS

Discrete courses*

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Doctoral studies courses

Autumn

Course code	Course title	ECTS Credits	Semester
T120D102	Scientific Visualisation	3	Autumn
P170D101	Mathematical Models in Informatics	9	Autumn

Spring

Course code	Course title	ECTS Credits	Semester
T120D101	Deep Learning Engineering	6	Spring
P170D100	Heuristic Algorithms	3	Spring
P176D001	Architectures of Neural Networks	9	Spring

**FACULTY OF
MECHANICAL
ENGINEERING
AND DESIGN**

Discrete courses*

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Doctoral studies courses

Autumn

Course code	Course title	ECTS Credits	Semester
T140D175	Simulation of Accidental Thermal-Hydraulic Processes	9	Autumn

Spring

Course code	Course title	ECTS Credits	Semester
T140D175	Simulation of Accidental Thermal-Hydraulic Processes	9	Spring

**SCHOOL OF
ECONOMICS
AND BUSINESS**

Discrete courses*

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Doctoral studies courses

Autumn

Course code	Course title	ECTS Credits	Semester
T180D001	Innovations and Global Knowledge Economy	6	Autumn