

**FACULTY
OF
CIVIL
ENGINEERING
AND
ARCHITECTURE**

- Courses from the Integrated programme
ARCHITECTURE
- Courses from the Bachelor's degree programme
CIVIL ENGINEERING
- Courses from the Master's degree programme
ARCHITECTURE
- Courses from the Master's degree programme
STRUCTURAL AND BUILDING PRODUCTS ENGINEERING

**Courses from the Integrated programme
ARCHITECTURE**

Course code	Course title	ECTS Credits	Semester	Year
H312B119	Architectural Experiment 1*	12	Autumn	1
T150B216	Architectural Materials*	3	Autumn	1
P175B164	Computer-Aided Architectural Design 1*	3	Autumn	1
H312B121	Introduction to Architecture*	6	Autumn	1
T240B128	Architectural Experiment 2	12	Autumn	2
T230B025	Building Physics	3	Autumn	2
S110B103	Spatial Legislation**	3	Autumn	2
T230B202	Structural Solutions of Public Buildings	3	Autumn	2
T240B137	Typology of Architectural Spaces	3	Autumn	2
H311B138	Drawing*	6	Autumn	2
P175B150	Interactive Website Systems*	6	Autumn	2
T240B134	Architectural Experiment 3	12	Autumn	3
H314B112	Cultural Heritage	3	Autumn	3
H312B120	Sustainable Architecture	6	Autumn	3
T230B112	Construction Technology and Organization*	6	Autumn	3
P175B154	Parametric Installation*	6	Autumn	3
S240M105	(M) History of Urbanism	6	Autumn	4
S240M106	(M) Space Syntax	6	Autumn	4
S240M104	(M) Urban Planning 1	12	Autumn	4
P175M110	(M) Virtual Reality Generation*	6	Autumn	4
S240M110	(M) Territorial systems*	6	Autumn	4
S240M011	(M) Sociology of Spaces***	6	Autumn	5
T230B414	Individual Construction	6	Autumn	-
H312B012	Architectonic Development 1*	12	Spring	1
P175B159	Computer-aided Architectural Design 2*	3	Spring	1
H310B123	History of Architecture*	6	Spring	1
T230B120	Structures of Dwelling Houses*	3	Spring	1
T240B130	Architectonic Development 2	12	Spring	2
T230B216	Building Information Modeling	3	Spring	2
T220B129	Engineering Systems of Buildings	3	Spring	2
H313B103	Theory of Architecture	6	Spring	2
P175B153	Parametric Animation	6	Spring	2
H312B123	Space Modeling	6	Spring	2
H313B104	Critical Analysis of Architecture	6	Spring	3
T230B189	Economics of Spatial Decisions**	3	Spring	3

S240M109	(M) Sustainable Urbanism	6	Spring	4
S240M107	(M) Urban Planning 2	12	Spring	4
S240M108	(M) Urban Theory	6	Spring	4
P175M112	Geographic Information Systems for Territory Planning*	6	Spring	4
P175M111	Virtual Reality Activation*	6	Spring	4
T240B708	Fundamentals of Architectural Design	6	Spring	-

Be advised that choosing modules from different study years will result in conflicting schedules and changes will have to be made. For a not conflicting schedule, please choose modules from the same study year and semester.

* these modules will be available only if the sufficient group of students will choose them.

**organized in cyclic form.

(M) - these modules are available to students entering the Master of Architecture program.

Courses from the Bachelor's degree programme CIVIL ENGINEERING

Course code	Course title	ECTS Credits	Semester	Year
T230B203	Introduction to Civil Engineering*	6	Autumn	1
T230B713	Civil Engineering Graphics*	6	Autumn	1
T240B125	Architecture and Structures of Buildings	6	Autumn	2
T220B114	Basics of Fluid Mechanics	3	Autumn	2
T230B025	Building Physics	3	Autumn	2
S110B034	Building Regulations	3	Autumn	2
S180B101	Construction Economics	3	Autumn	3
T230B160	Fire safety	3	Autumn	3
T230B206	Reinforced Concrete and Masonry Structures 1	6	Autumn	3
T230B212	Soil Mechanics and Foundations	6	Autumn	3
T150B215	Innovative Building Materials and Products	6	Autumn	3
T230B217	Human, Building and Environmental Safety in Construction	6	Autumn	4
T230B213	Construction Planning and Project Management	6	Autumn	4
T230B170	Technology of Special Construction and Enginery	6	Autumn	4
T230B414	Individual Construction	6	Autumn	-
T240B124	Basics of Spatial Modeling	3	Spring	1
T230B133	Building Materials and Basics of Material Science	6	Spring	1
P470B001	Geology	3	Spring	1
T230B112	Construction Technology and Organization	6	Spring	2
P515B101	Engineering Geodesy and Training Practice	6	Spring	2
T220B612	Engineering Systems of Buildings	6	Spring	2
T230B121	Manufacturing Technology of Building Products and Structures	6	Spring	2
T230B502	Structural Mechanics 1	6	Spring	2
T230B216	Building Information Modeling	3	Spring	3
T230B208	Metal and Timber Structures	6	Spring	3
T220B120	Basics of Urbanism and Transport Structures*	6	Spring	3
T220B130	Hydraulic Structures*	6	Spring	3
T230B144	Technology of Monolithic Construction	3	Spring	3
T230B221	Information Modeling of Building Construction and Production of Products	6	Spring	3

T240B708	Fundamentals of Architectural Design	6	Spring	-
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Courses from the Master's degree programme ARCHITECTURE

Course code	Course title	ECTS Credits	Semester	Year
K100M101	Critical Analysis of Architecture	6	Autumn	1
T240M004	Urban Data Analytics	6	Autumn	1
T250M035	Methods of Scientific and Applied Research	6	Autumn	1
H312M102	Harmony between Old and New in Architecture	6	Autumn	1
K110M635	Economics and Management of Architectural Design	6	Autumn	2
T240M363	Digital Sustainable Design Methods	6	Autumn	2
S240M108	Urban Theory	6	Autumn	2
T240M001	Methods of Architectural Renovation	6	Autumn	2
H314M010	Protection of Cultural Heritage	6	Spring	1
S240M101	Urban Sociology	6	Spring	1
T250M034	Environmental Impact Assessment	6	Spring	1
H314M100	Methods and Means of Heritage Management	6	Spring	1

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Courses from the Master's degree programme STRUCTURAL AND BUILDING PRODUCTS ENGINEERING

Course code	Course title	ECTS Credits	Semester	Year
T230M147	Advanced Reinforced Concrete Structures	6	Autumn	1
T230M425	Research Methods of Building Products and Structures	6	Autumn	1
T210M009	Finite Element Method	6	Autumn	1
T230M216	Design and Research of Steel Structures*	6	Autumn	1
T230M143	Innovation in Building Products Technology*	6	Autumn	1
T230M134	Research of Reliability and Strengthening of Building Structures	6	Spring	1
T230M135	Durability and Life Cycle of the Structure	6	Spring	1
T230M145	Advanced Concrete Technologies	6	Spring	1
T230M148	Design of Composite Structures*	6	Spring	1
T230M010	Quality Management in Construction*	6	Spring	1

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