



THE PROGRAM OF THE UNDERGRADUATE UNIVERSITY STUDY OF ARCHITECTURE AND URBAN PLANNING

The undergraduate study of Architecture and Urban Planning at the Faculty of Civil Engineering, Architecture and Geodesy lasts three academic years and is organised in six semesters.

The syllabus (curriculum) consists of compulsory and elective courses. It is aligned with the European Credit Transfer and Accumulation System (ECTS) of the European Higher Education Area (EHEA) and students accumulate minimum of 60 ECTS each academic year. In order to obtain qualification (bachelor degree, first cycle) students have to accumulate minimum of 180 ECTS.

The learning outcomes are aligned with Directive 2013/55/EU of European Parliament and Council of 20 November 2013 amending Directive 2005/36/EC, Article 46, on the recognition of professional qualifications. A letter is attributed to each learning outcome (a table of the learning outcome, in the brackets at the end of the description of the learning outcome), which, according to Article 46 of said Directives, marks an individual unit of knowledge, skills and competences to be attained through theoretical and practical aspects of architectural education (in the period of at least five years of full-time study at the university). As regards FCEAG, students acquire knowledge, skills and competences prescribed in Article 46 of the Directives throughout their education up to the master degree, meaning both undergraduate and graduate university study of Architecture and Urban Planning.

Upon completion students are awarded the academic title and corresponding qualification *sveučilišni prvostupnik/prvostupnica* (baccalaureus/baccalaurea) *inženjer/inženjerka arhitekture i urbanizma* (University Bachelor in Architecture and Urban Planning). Students may continue their studies at graduate study in architecture and/or urban planning or similar engineering/artistic fields, or enter the labour market.



Syllabus

The table below shows information for the actual (spring) and the former (autumn) semester. Detail plans for specific semesters and academic years are published on the following Faculty's web site [link](#).

Teacher	Course	Related learning outcomes	Teaching and learning	Assessment	Code	Hours	ECTS
Semester I							
L. Pelivan	Introduction to Architectural Design 1	g	1, 2, 3	1,3	GAS011	30+45	6,0
E. Šverko	Typology and Form in Architecture 1	e	1	1, 2	GAS012	30+0	2,0
Ž. Nikolić, N. Živaljić	Basis of Structures 1	h	2, 3	1	GAO111	30+30	6,0
A. Kuzmanić	Drawing 1	c	3	3	GAS013	0+30	3,0
N. Lovričević	Principles of Projections 1	c	1, 2, 3	1, 2	GAC011	30+30	5,0
D. Tušek	Building Elements 1	i	1, 2, 3	1, 2	GAM011	30+30	4,0
J. Sedlar, S. Pavasović	Mathematics 1	h, i	2, 3	1	GAB011	15+15	2,0
D. Gabrić	Computer - Aided Architectural Design 1	c	3	3	GAS014	0+30	2,0
Semester II							
L. Pelivan, D. Peračić	Introduction to Architectural Design 2	g	1, 2, 3	1, 3	GAS015	30+45	6,0
N. Popić	Typology and Form in Architecture 2	e	1	1, 2	GAS016	30+0	2,0
M. Andrić	Principles of Projections 2	c	1, 2, 3	1, 2	GAC012	30+30	5,0
A. Kuzmanić	Drawing 2	c	3	3	GAS017	0+30	3,0
D. Gabrić	Computer - Aided Architectural Design 2	c	3	3	GAS018	0+30	2,0
D. Tušek	Building Elements 2	i	1, 2, 3	1, 2	GAM012	30+30	4,0
M. Galić	Basis of Structures 2	h	2, 3	1, 2	GAO012	30+30	6,0
J. Sedlar	Mathematics 2	h, i	2, 3	1	GAB012	15+15	2,0
Semester III							
N. Popić, V. Ilić	Architectural Design Workshop 1	a, g	2, 3	3	GAS111	30+60	10,0
S. Matijević Barčot	Typology and Form in Architecture 3	e	1	1, 2	GAS112	30+0	2,0
K. Marasović	History of Architecture and Art 1	b	1, 4	1, 2	GAT011	60+0	4,0



A. Kuzmanić	Visual Design	c	3	3	GAS113	0+45	2,0
V. Ilić	Architectural Presentation	a	2, 3	3	GAS019	0+45	2,0
D. Žižić	Building Elements 3	i	1, 2, 3	1, 2	GAM111	30+30	4,0
J. Radnić, D. Matešan	Bearing Structures 1	h	2, 3	1, 2	GAE111	45+30	6,0
Semester IV							
A. Kuzmanić, D. Marasović	Architectural Design Workshop 2	a, g	2, 3	3	GAS114	30+60	10,0
R. Plejić	History of Architecture and Art 2	b	1, 4	1, 2	GAT012	60+0	4,0
A. Kuzmanić	Typology and Form in Architecture 4	e	1	1, 2	GAS115	30+0	2,0
A. Grgić	Introduction to Urban Planning	d	1	1	GAU011	30+0	2,0
R. Plejić	History of Urban Form	d	1	1,2	GAU012	30+0	2,0
D. Žižić	Building Elements 4	i	1, 2, 3	1, 2	GAM112	30+30	4,0
I. Boko, N.Torić	Bearing Structures 2	h	2, 3, 4	1, 2	GAP111	45+30	6,0
Semester V							
I. Letilović	Architectural Design Workshop 3	a, g	2, 3	3	GAS211	30+60	10,0
R. Plejić	History of Architecture and Art 3	b	1, 4	1, 2	GAT111	30+0	2,0
D. Tušek	Contemporary Architecture 1	b	1	1, 2	GAT112	30+0	2,0
D. Gabrić	Urban Planning 1	d	2, 3	3	GAU111	30+30	6,0
A. Kuzmanić, D. Lučin	Building Installations	i	1, 3	1, 2	GAM211	30+30	4,0
D. Žižić	Building Physics	i	1, 2, 3	1, 2	GAM212	15+15	2,0
N. Ostojić-Škomrlj	Construction Planning and Management	j	1, 2, 3	1, 2	GAL211	15+15	2,0
D. Cvitanić	Urban Traffic Areas and Objects	d	1	1, 2	GAF211	30+0	2,0
Semester VI							
N. Kezić, N. Popić	Architectural Design Workshop 4 - Final Work	a, g	2, 3, 7	3	GAS212	30+90	16,0
S. Perojević	History of Architecture and Art 4	b	1, 4	1, 2	GAT113	30+0	2,0
D. Tušek	Contemporary Architecture 2	b	1, 4	1, 2	GAT114	30+0	2,0
D. Gabrić	Urban Planning 2	d	2, 3	3	GAU112	30+60	8,0
S. Stanić	Socio-Urban Research of Space (Elective course)	f	1, 3	1	GAU0113	30+0	2,0



Learning outcomes – Undergraduate University Study of Architecture and Urban Planning

Label	Units of learning outcomes
a	To create an architectural design that satisfy both aesthetic and technical requirements (a).
b	To critically assess the history and theories of architecture and the related arts, technologies and human sciences (b).
c	To integrate knowledge of the fine arts as an influence on the quality of architectural design (c).
d	To critically assess the theory and history of urban design, planning and the skills involved in the planning process (d).
e	To separate into elements and validate the relationship between people and buildings, and between buildings and their environment, and to predict the need to relate buildings and the spaces between them to human needs and scale (e).
f	To make judgement of the profession of architect and the role of the architect in society, in particular in preparing briefs that take account of social factors (f).
g	To plan and develop the methods of investigation and preparation of the brief for a design project (g).
h	To re-examine the problems of the structural design, and constructional and engineering problems associated with building design (h).
i	To connect the knowledge of physical problems and technologies and of the function of buildings so as to provide them with internal conditions of comfort and protection against the climate, in the framework of sustainable development (i).
j	To combine the necessary design skills to meet building users' requirements within the constraints imposed by cost factors and building regulations (j).

Teaching and learning:

1. Lectures: a teacher teaches ex-cathedra or uses some forms of interactive lectures.
2. Theoretical exercises: teacher demonstrates to students how to solve standard mathematical, engineering or artistic tasks.
3. Practical exercises: students solve and prepare practical assignments under supervision of the teacher in standard or IT equipped classrooms.
4. Field exercises: students and teachers visit, or students perform small-scale practical work at historical buildings or areas, museums, construction sites, etc.
5. Lab exercises: the teacher demonstrates experiments/tasks to students, or students perform their own experiments/tasks in the laboratory under the supervision of teachers and/or technicians.
6. Internship: students perform practical work at architectural bureaux or construction sites during semester or summer vacations.
7. Independent work: theoretical or practical assignment under the supervision of a teacher.



Assessment:

1. Written exams: students solve tasks as the paperwork or by a computer in IT equipped classrooms. They may be performed throughout the semester or during the examination period.
2. Oral exams: a teacher poses questions to students in a spoken form.
3. Presentation or defence of a practical, artistic or written assignment.