

Study program:	Civil Engineering		
Level of study:	Undergraduate academic studies		
Course title:	BUILDING DESIGN		
Teacher:	Viktorija F. Aladžić		
Course Status:	Compulsory		
Credits (ECTS):	4		
Prerequisite:	None		
Course objective(s):	Acquiring knowledge about technical documentation, preparation and construction of residential buildings.		
Course outcome(s):	Acquired knowledge about structural systems of buildings; types of works in the construction of residential buildings; about basic elements of a buildings: foundations, walls, ceilings, roofs; protection of possible negative impacts of water and moisture on the buildings; vertical communications, structures that provide ventilation of a building.		
Course Content:			
1 st week	Introductory lecture.		
2 nd week	Types of buildings. Types of bulding structures.		
3 rd week	Structural building systems and modular coordination of measures.		
4 th week	Technical documentation. Types of works in a construction of a building. Earthworks.		
5 th week	Building foundations. Темелји зграда. Shallow and deep foundation.		
6 th week	Construction waterproofing – divisions and types		
7 th week	Flat roofs. First colloquium		
8 th week	Walls – basic divisions Зидови		
9 th week	Types of walls.		
10 th week	Vertical communications in buildings.		
11 th week	Ceilings – floors. Types of ceilings.		
12 th week	Building parts, pillars.		
13 th week	Chimneys and ventilation in buildings.		
14 th week	Field work and visit to construction sites.		
15 th week	Building construction legislation. Second colloquium		
	Week by week practice is following lectures		
Literature:	<ol style="list-style-type: none"> 1. M. Muravljoy, B. Stevanović, <i>Zidane i drvene konstrukcije zgrada</i>, Građevinski fakultet, Beograd. 2. N. Ilinčić, <i>Zgradarstvo I</i>, Građevinski fakultet Subotica, 1989. 3. Grupa autora, <i>Tehničar 3</i>, Beograd; Građevinska knjiga, 1984. 4. F. Kovács, B. Kovács, <i>Épületek szerkezeti szakrajza</i>, Budapest: Műszaki könyvkiadó, 1998. 5. R. Trbojević, <i>Arhitektonske konstrukcije</i>, Beograd: Orion art, 2003. 		
Number of hours:			Other classes: 0
Lectures: 2	Exercises: 2	Other forms of teaching: 0	Individual research work: 0
Teaching methods:	Theoretical analysis of lectures, practical work on preliminary design of residential building, colloquia, consultations, field work.		
Evaluation of knowledge (maximum 100 points)			
Pre-exam activities	points	Final exam	points
Activity during the lectures	5	Written exam	30
Activity during the exercises	25		
Colloquia	40		