

STUDY PROGRAM ARCHITECTURE

R.B	CODE	SUBJECT TITLE	ECTS	YEAR / SEMESTER							
				Number of classes per week(lectures + exercises)							
				1. year		2. year		3. year		4. year	
I	II	III	IV	V	VI	VII	VIII				
FIRST YEAR											
1.		Introduction to designing	5	1+ 2							
2.		Visual forms I	4	1+ 2							
3.		Descriptive geometry I	5	2+ 2							
4.		Architectonic and computer graphics	4	1+ 2							
5.		Mathematics I	4	2+ 2							
6.		Technical mechanics I	4	1+ 2							
7.		Materials in architecture	4	2+ 1							
8.		Elements of designing	5		1+ 3						
9.		Introduction to Town planning	4		2+ 0						
10.		Introduction to architectonic structures	5		1+ 2						
11.		Descriptive geometry II	4		1+ 2						
12.		Strength of materials I	4		2+ 2						
13.		History of architecture I	4		2+ 0						
14.		Block I elective subject	4		4						
SECOND YEAR											
15.		Housing buildings designing I	5			1+ 3					
16.		Town planning I	4			1+ 2					
17.		Architectonic structures I	4			2+ 2					
18.		History of architecture II	3			2+ 0					
19.		Structural systems I	4			2+ 2					
20.		Structural statics I	4			2+ 2					
21.		First block II elective subject	3			1+ 2					
22.		Second block II elective subject	3			1+ 2					
23.		Housing buildings designing II	4				1+ 3				
24.		Public buildings designing I	4				1+ 3				
25.		Town planning II	4				1+ 2				
26.		Architectonic structures II	4				2+ 2				
27.		Concrete structures I	4				2+ 2				
28.		Timber and masonry structures I	4				2+ 2				
29.		Block III elective subject	3				3				
30.		Block IV elective subject	3				2				
THIRD YEAR											
31.		Public buildings designing II	5					1+ 3			
32.		Industrial buildings designing I	5					1+ 3			
33.		Town planning III	4					1+ 2			
34.		Prefabricated buildings I	3					1+ 2			
35.		Architectonic structures III	4					2+ 2			
36.		Architectonic structures and physics of buildings	3					1+ 2			
37.		Technology and construction organization	3					2+ 1			
38.		Block V elective subject	2					2			
39.		Block VI elective subject	2					3			
40.		Industrial buildings designing II	4						1+ 3		
41.		Installation utilities in buildings	3						2+ 2		
42.		Interior I	4						1+ 2		
43.		Town planning IV	4						1+ 2		
44.		Special designing problems	3						1+ 2		
45.		Metal structures of buildings	4						2+ 2		
46.		Block VII elective subject	3						3		
47.		Block VIII elective subject	3						2		
48.		Professional training	3								

FOURTH YEAR											
		MODULE 1 Architectonic – designing	MODULE 2 Architectonic – engineering								
49.		Studio Housing buildings	Fundamentals of Architectonic structures Theory	5						2+0+2	
				4						2+2	
50.		Studio Public buildings	Structural statics of buildings	5						2+0+2	
				4						2+2	
51.		Studio Industrial buildings	Concrete structures of buildings	5						2+0+1	
				4						2+2	
52.		Studio Town planning	Optimization of housing buildings designing	5						2+0+2	
				3						2+2	
53.		Interior	Contemporary facades structures and forms	4						1+3	
				4						2+2	
54.		First block IX elective subject	Building foundations	3						3	
				4						2+2	
55.		Second block IX elective subject	Block XI elective subject	3						3	
				3						1+2	
56.		Elective studio 1	Dinamika arhitektonskih konstrukcija i objekata	6						3+0+	
				4						1+2	
57.		Elective studio 2	Metalne konstrukcije u visokogradnji	6						3+0+	
				4						2+2	
58.		First block X elective subject	High-rise timber and masonry structures	3						3	
				3						2+2	
59.		Second block X elective subjects	Contemporary industrial structures	3						3	
				3						1+2	
60.			Limit analysis of architectonic structures	4						2+ 2	
61.		Final - graduation thesis	Final - graduation thesis	12						10	
				12						10	
		NUMBER OF CLASSES PER WEEK			23	23	27	28	29	26	25
											28
		NUMBER OF CREDITS PER SEMESTER			30	30	30	30	30	30	27
											30

ELECTIVE SUBJECTS BY BLOCKS

	CODE	SUBJECT TITLE	ECTS	NUMBER OF CLASSES PER WEEK lectures + exercises
BLOCK I		Foreign language	4	2+ 2
		Forms in architecture	4	2+ 2
		Visual forms II	4	1+ 3
		Mathematics II	4	2+ 2
		Technical mechanics II	4	2+ 2
BLOCK II		Designing methodology	3	1+ 2
		Descriptive geometry III	3	1+ 2
		Modeling in architecture and town planning	3	1+ 2
		Strength of materials II	3	1+ 2
		Fundamentals of geodesy and topography	3	1+ 2
BLOCK III		Settlement development in Serbia	3	1+ 2
		Structural statics II	3	1+ 2
BLOCK IV		History of architecture III	3	2+ 0
		Structural systems II	3	1+ 1

BLOCK V		History of architecture IV	2	2+0
		Development of architecture in Serbia	2	2+0
		Timber and masonry structures II	2	1+1
BLOCK VI		Bioclimatic and environmental designing I	2	1+2
		Concrete structures II	2	1+2
		Introduction to foundation engineering	2	1+2
BLOCK VII		Revitalization of buildings	3	2+1
		Construction works and calculation	3	1+2
		Management in architecture I	3	2+1
		Metal structures of buildings II	3	1+2
		Prefabricated buildings II	3	1+2
BLOCK VIII		Contemporary architecture	3	2+0
		History of architecture	3	2+0
		Sociology of settlements	3	2+0
		Foundation engineering	3	1+1
		Designing of buildings in seismic areas	3	1+1
BLOCK IX For Module 1		Strategy of spatial and urban development	3	1+2
		Contemporary theories of architectonic designing	3	1+2
		Structural compositions and systems	3	1+2
		Contemporary assembly construction systems	3	1+2
		Vernacular construction engineering	3	1+2
BLOCK X For Module 1		Environment-friendly building materials	3	1+2
		Landscape architecture	3	1+2
		Rural architecture	3	1+2
		Rural development	3	1+2
		Ancient cultures heritage in Serbia	3	1+2
		Management in architecture II	3	2+1
		Architecture and archeology	3	2+1
BLOCK XI For Module 2		Structural modeling methods in architecture	3	1+2
		Vernacular construction engineering	3	1+2
		Theory of structural planar systems	3	1+2
		Sacral structures	3	1+2
		Architectonic – structural design	3	1+2
		Contemporary assembly construction systems	3	1+2
		Theory of planar structural systems	3	1+2
		Theory of suspended structural systems	3	1+2
		Optimization in the structural physics domain	3	1+2
ELELCTIVE FIELDS FOR STUDIO - MODULE 1				
STUDIO		Housing buildings	6	3+0+3
		Public buildings	6	3+0+3
		Industrial buildings	6	3+0+3
		Town planning	6	3+0+3

STUDY PROGRAM ARCHITECTURE - MASTER

MASTER- ARCHITECTONIC DESIGNING

NO.	CODE	SUBJECT TITLE	ECTS	YEAR / SEMESTER	
				Number of classes per week(lectures + exercises)	
				1. year	
				I	II
FIRST YEAR					
1.		Elective synthesis design	9	2+ 0+ 4	
2.		Revitalization and conversion in architecture	3	1+ 2	
3.		Regeneration of urban complexes	3	1+ 2	
4.		Bioclimatic and environmental designing II	3	1+ 2	
5.		Communal structures and infrastructure	3	2+ 1	
6.		First block I elective subject	3	3	
7.		Second block I elective subject	3	3	
8.		Third block I elective subject	3	3	
8.		Research in the elective field of final – master thesis	10		0 + 0 + 20
9.		Final - master thesis	20		
	NUMBER OF CLASSES PER WEEK			27	20
	NUMBER OF CREDITS PER SEMESTER			30	30

BLOCK ELECTIVE SUBJECTS I

	CODE	SUBJECT TITLE	ECTS	NUMBER OF CLASSES PER WEEK lectures + exercises
BLOCK I		Architecture of 20 th century Serbia	3	2+ 1
		Geometrical planes in architecture	3	2+ 1
		Urban management	3	2+ 1
		Urban and spatial planning regulations	3	1+ 2
		Spatial development policy	3	2+ 1
		Urban design and composition	3	1+ 2
		Aesthetics and symbolic in architecture	3	2+ 1
		Architecture and art	3	2+ 1

ELECTIVE FIELD I FOR FINAL - MASTER THESIS

	CODE	SUBJECT TITLE	ECTS	NUMBER OF CLASSES PER WEEK lectures + exercises
FIELD		Housing buildings	30	0 + 0 + 20
		Public buildings	30	0 + 0 + 20

		Industrial buildings	30	0 + 0 + 20
		Town planning	30	0 + 0 + 20

MASTER – ARCHITECTONIC ENGINEERING

	CODE	SUBJECT TITLE	ECTS	YEAR / SEMESTER	
				Number of classes per week (lectures + exercises)	
				1. year	
				I	II
FIRST YEAR					
1.		Elective studio	9	6	
2.		Planning and building in specific locations	4	3	
4.		Composite and pre-stressed structures of buildings	5	3	
5.		Contemporary sport events structures – stadiums and halls	4	3	
6.		First block I elective subject	4	4	
7.		Second block I elective subject	4	4	
8.		Research in the elective field of final – master thesis	10		0 + 0 + 20
9.		Final - master thesis	20		
		NUMBER OF CLASSES PER WEEK		23	20
		NUMBER OF CREDITS PER SEMESTER		30	30

BLOCK I ELECTIVE SUBJECTS

	CODE	SUBJECT TITLE	ECTS	NUMBER OF CLASSES PER WEEK lectures + exercises
BLOCK I		Structural design control methods	4	2+ 2
		Analysis of alternative architectonic-structural design	4	2+ 2
		Structure fire resistance	4	2+ 2
		Spatial stability of architectonic structures	4	2+ 2
		Contemporary methods of construction works organization	4	2+ 2
		Reconstruction and revitalization of buildings	4	2+ 2
		Aesthetics in architecture	4	2+ 2
		Contemporary architectonic structures testing methods	4	2+ 2
		Special architectonic – civil engineering structures	4	2+ 2

ELECTIVE FIELDS FOR THE FINAL - MASTER THESIS

	CODE	SUBJECT TITLE	ECTS	NUMBER OF CLASSES PER WEEK lectures + exercises
FIELD		Concrete structures	30	0 + 0 + 20
		Metal structures of buildings	30	0 + 0 + 20
		Timber and masonry structures of buildings	30	0 + 0 + 20