

**Faculty of Architecture / ARCHITECTURA / Urban technique and composition**

<b>Course:</b>	Urban technique and composition			
<b>Course ID</b>	<b>Course status</b>	<b>Semester</b>	<b>ECTS credits</b>	<b>Lessons</b> (Lessons+Exercises+Laboratory)
7251	Mandatory	1	6	2+2+0
<b>Programs</b>	ARCHITECTURA			
<b>Prerequisites</b>	No conditionality.			
<b>Aims</b>	The course extends the knowledge in the creation of art and composition of urban projects that will meet the aesthetic and technical criteria of harmonizing the relationship between man and architecture, and architecture and environment on a human scale.			
<b>Learning outcomes</b>	After passing the exam, the student will be able to: 1. Critically assess the influence of techniques and models in the context of spatially-social transformations 2. Understands the relation of technique and composition in the context of modern urban transformations 3. Apply contemporary techniques and compositions in the practice of urban design 4. Develop new criteria and models for contemporary esthetic and technical requirements in urbanism 5. Adequately interpret the research results in accordance with concrete requirements			
<b>Lecturer / Teaching assistant</b>	Svetislav G. Popović			
<b>Methodology</b>				
<b>Plan and program of work</b>				
Preparing week	Preparation and registration of the semester			
I week lectures	The influence of natural factors on the regulation of space / water, air, sun, relief, geological and hydrological base / Conditions created / demographic, historical, sociological, economic, traffic, activities in the area/			
I week exercises	The influence of natural factors on the regulation of space / water, air, sun, relief, geological and hydrological base / Conditions created / demographic, historical, sociological, economic, traffic, activities in the area/			
II week lectures	The relationship of spatial elements in the art of design, cartographic basis.			
II week exercises	The relationship of spatial elements in the art of design, cartographic basis.			
III week lectures	Environmental problems in the built environment / noise, pollution/			
III week exercises	Environmental problems in the built environment / noise, pollution/			
IV week lectures	Planning regulations for the organization of housing / indicators, types and dispositions buildings, elements of composition/			
IV week exercises	Planning regulations for the organization of housing / indicators, types and dispositions buildings, elements of composition/			
V week lectures	Problem greenery in the city /basic elements composing conditions, techniques and design solutions/			
V week exercises	Problem greenery in the city /basic elements composing conditions, techniques and design solutions/			
VI week lectures	Traffic areas in the city /basic elements, city streets-divisions and types, technical elements for the design/			
VI week exercises	Traffic areas in the city /basic elements, city streets-divisions and types, technical elements for the design/			
VII week lectures	Summary of lectures. I TEST			
VII week exercises	Summary of lectures. I TEST			
VIII week lectures	Areas in the city for stationary traffic /principles of resolution of the parking lot, public garage.../			
VIII week exercises	Areas in the city for stationary traffic /principles of resolution of the parking lot, public garage.../			
IX week lectures	Public transport in the city /choice of resources, types, principles of planning standpoint, technical solutions/			
IX week exercises	Public transport in the city /choice of resources, types, principles of planning standpoint, technical solutions/			
X week lectures	Rail, air, bus, water transport networks and facilities.			
X week exercises	Rail, air, bus, water transport networks and facilities.			

XI week lectures	The principles of solving-city traffic /leveling, intersections, relationship to the landscape .../					
XI week exercises	The principles of solving-city traffic /leveling, intersections, relationship to the landscape .../					
XII week lectures	Urban infrastructure, networks and facilities, underground urbanism, organization and functioning.					
XII week exercises	Urban infrastructure, networks and facilities, underground urbanism, organization and functioning.					
XIII week lectures	Urban infrastructure, location-specific content: sources, energy points, emanations, cemeteries, landfills...					
XIII week exercises	Urban infrastructure, location-specific content: sources, energy points, emanations, cemeteries, landfills...					
XIV week lectures	Summary of lectures. II TEST					
XIV week exercises						
XV week lectures	Final exam					
XV week exercises						
<b>Student workload</b>	Weekly 2.4credits x 40/30 =3.2 hours /3hours and 12 min/ in the semester					
<b>Per week</b>			<b>Per semester</b>			
<b>6 credits x 40/30=8 hours and 0 minuts</b> 2 sat(a) theoretical classes 0 sat(a) practical classes 2 excercises <b>4 hour(s) i 0 minuts</b> of independent work, including consultations			Classes and final exam: <b>8 hour(s) i 0 minuts x 16 =128 hour(s) i 0 minuts</b> Necessary preparation before the beginning of the semester (administration, registration, certification): <b>8 hour(s) i 0 minuts x 2 =16 hour(s) i 0 minuts</b> Total workload for the subject: <b>6 x 30=180 hour(s)</b> Additional work for exam preparation in the preparing exam period, including taking the remedial exam from 0 to 30 hours (remaining time from the first two items to the total load for the item) <b>36 hour(s) i 0 minuts</b> Workload structure: <b>128 hour(s) i 0 minuts (cources), 16 hour(s) i 0 minuts (preparation), 36 hour(s) i 0 minuts (additional work)</b>			
<b>Student obligations</b>						
<b>Consultations</b>						
<b>Literature</b>			Lewis Mumford: Grad u historiji Rosi Aldo:Arhitektura grada Nikola Dobrović:Tehnika urbanizma 1a i 1b Gordon Kalen :Gradski pejsaž			
<b>Examination methods</b>			- the maximum number of points is 100 - Semester work 65 points, attendance of teaching 6 points, and the tests 35 points - passing grade is 18 points in examinations plus a minimum of 33 points at work, making a total of 51 points			
<b>Special remarks</b>			Lectures are conducted in one study and practice in two groups of 15 to 20 students			
<b>Comment</b>			Additional information can be obtained from the subject teacher, head of the study program and Vice dean for Education.			
<b>Grade:</b>	F	E	D	C	B	A
<b>Number of points</b>	less than 50 points	greater than or equal to 50 points and less than 60 points	greater than or equal to 60 points and less than 70 points	greater than or equal to 70 points and less than 80 points	greater than or equal to 80 points and less than 90 points	greater than or equal to 90 points