

<b>Study Programme: Civil Engineering</b>			
<b>Course Unit Title: Composite structures</b>			
<b>Course Unit Code: GG512</b>			
<b>Name of Lecturer(s): Jovanović Đorđe, Starčev-Ćurčin Anka</b>			
<b>Type and Level of Studies: master</b>			
<b>Course Status (compulsory/elective): elective</b>			
<b>Semester (winter/ summer): summer</b>			
<b>Language of instruction: english</b>			
<b>Mode of course unit delivery (face-to-face/distance learning): face-to-face</b>			
<b>Number of ECTS Allocated: 5</b>			
<b>Prerequisites: none</b>			
<b>Course Aims:</b> Obtaining knowledge in the field of application and modelling composite structures.			
<b>Learning Outcomes:</b> Enabling students to calculate, dimension and structurally model composite structures.			
<b>Syllabus.</b> Elements of composite cross section in compositing steel and concrete. Rheological model. Composite cross section analysis. Types of composite devices and calculation. Cross section calculation for various types of compositing. Compositing truss girders. Composite slabs with profile sheet metal. Composite posts. Application of composite structures in building construction and bridge construction. Compositing wood and concrete.			
<b>Required Reading:</b> Relevant literature in English, tbd			
<b>Weekly Contact Hours:2</b>	<b>Lectures: 2</b>	<b>Practical work: 2</b>	
<b>Teaching Methods:</b> Lectures. Auditory and graphic practice. Tutorials.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Attendance			
Computer exercises			
Tests (4x)			

