

<b>Study Programme: Civil Engineering</b>			
<b>Course Unit Title: Selected Chapters in Road Design</b>			
<b>Course Unit Code: GP403</b>			
<b>Name of Lecturer(s): Radović Nebojša</b>			
<b>Type and Level of Studies: bachelor</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: 4</b>			
<b>Prerequisites: none</b>			
<b>Course Aims:</b> Enabling students for acquiring professional knowledge and for the application in practice.			
<b>Learning Outcomes:</b> Student is competent to use the acquired knowledge in road design in further education in professional courses, as well as in professional practice.			
<b>Syllabus.</b> Introduction with the repetition of knowledge from the elementary course. Methodology and technology of road design. Process and structure of making a road project. Feasibility study. Computer application. Evaluation of solution variations. Objectives and criteria. Evaluation indicators. Content and equipment in project documentation. Dynamic and geometrical analyses. Designed speed analyses. Designed speed profile construction. Dynamic compatibility and road homogeneity. User costs calculations. Additional traffic lanes. Curve characteristics. Optical effect analysis.			
<b>Required Reading:</b> Relevant literature in English, tbd			
<b>Weekly Contact Hours:2</b>	<b>Lectures: 2</b>	<b>Practical work: 1</b>	
<b>Teaching Methods:</b> Lectures, practice, consultations.			
<b>Knowledge Assessment (maximum of 100 points):</b>			
<b>Pre-exam obligations</b>	points	<b>Final exam</b>	points
Attendance			
Computer exercises			
Tests (4x)			

