

Study program: Civil Engineering			
Course: Computer Graphics			
Professor/Assistant: PhD Nada Stojanović / Nemanja Petrović			
Status of course: compulsory			
ECTS credits: 6			
Pre-requisites: basic knowledge in using computers			
Aims of the course:			
<ul style="list-style-type: none"> - learning commands for 2D drawing, editing objects and dimensioning; - standards in technical drawing, section views, isometric views, 3D models and surfaces; - using Internet in drawing. 			
Learning outcomes:			
<ul style="list-style-type: none"> - advantages of using computers in drawing; - practical examples in 2D Drawing; - standard procedures in 3D modeling; - optimization in drawing tasks; - coordination with other CAD programs. 			
Syllabus:			
<u>Theoretical part</u>			
Computer-aided drawing. Auto Cad software for drawing and modeling. Using Auto Cad, commands, and editing. Drawing spaces and coordinates. Using absolute, relative and polar coordinates. Basic commands, working with layers, and line types. Using colors in technical drawing. Text editing, dimensioning and printing. 3D objects, shading and editing colors or materials. Using internet and other CAD software.			
<u>Practical part</u>			
Computer aided drawing in classes, and 2D and 3D homework drawings.			
Literature:			
<ol style="list-style-type: none"> 1. S. Petrović, N. Stojanović, <i>Računarska grafika</i>, Auto CAD GIP IMPRIME Niš, 1999. 2. N. Stojanović, B. Stojanović, S. Petrović, S. Jovković, <i>Računarska grafika</i>, AutoCAD primeri, GIP IMPRIME Niš, 2000. 3. G. Omura, <i>Auto Cad 2008 Osnovne tehnike</i>, Kompjuter biblioteka, Čačak, 2008. 			
Number of active classes			Other forms of teaching:
Lectures: 2	Practical classes: 1	Laboratory classes: 1	
Teaching methods:			
Interactive classes incl. solving practical examples.			
Grading system (maximum 100 points), grading scale from 5 to 10: below 51 points grade 5, grade 6 from 51-60 points, grade 7 from 61-70 points, grade 8 from 71-80 points, grade 9 from 81-90 points, grade 10 from 91-100 points.			
Pre-commitments	points	Final exam	points
activity during lectures	10	written exam	30
practical training	-	oral exam	-
colloquium(s)	30		
seminar paper(s)	30		
Sum	70	Sum	30