

Study program : Road Traffic			
Course title: Computer Graphics			
Professor/assistant: MSc Stojanovic Nada			
Type of course: compulsory			
ECTS credits: 6			
Pre-requisites: basic knowledge in using computer			
Aims of the course 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 -advantages of using computer in drawing. -practical examples in 2D Drawing. -standard procedures in 3D modeling. -optimization in drawing tasks. -coordination with other CAD programs.			
Syllabus <i>Theoretical part</i> 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. <i>Practical part:</i> Computer aided drawing in school, and homework in 2D and 3D drawing.			
Literature 1.S.Petrovic, N.Stojanovic, Racunarska grafika Auto CAD GIP IMPRIME, Nis 1999. 2.N.Stojanovic,B.Stojanovic,S.petrovic,S.Jovkovic, Racunarska grafika AutoCAD primeri, G IP IMPRIME Nis 2000 god. 3.G.Omura Auto Cad 2008 Osnovne tehnike, kompjuter biblioteka, Cacak , 2008.			
Number of active classes			Other forms of teaching:
Lectures: 30	Practical classes: 60	Research work:	
Teaching methods			
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-exam obligations	points	Final exam	points
activity during theoretical lectures	10	written exam	30
practical training		oral exam	
colloquium(s)/seminar papers	30/30		
Sum	70	Sum	30