			UNEVERSITY OF EAST SARAJEVO						
			Study program: Mechanical Engineering						
Course title		-	CAD = 3D modeling						
Department De			epartment of Mechanical constructions and Engineering Design						
Code			Co	Course status		Semester		ECTS	
МАФ-1-1-МС-06-2-034-6		34-6-5-2-0)-2	Election				6	
Professor		PhD N	PhD Miroslav Milutinovic, assistant professor						
Teaching assistant M.		M. Sc.	Sc.Aleksija Đurić - teaching assistant						
Number of hours (week) individual student wor semest		semester)		Coeffic	workload So	
		<u>E</u>		2*15*C	E	2*15*C		S ₀	
2		0	Ζ	2 15 50	0 15 50	2 13 30		1.4	
Total total teaching 2*15 +0*15 + 2			ours in semester Total student's workload (ir $5 = 60$ hours $2^{*15*}S_0 + 0^{*15*}S_0 + 2^{*7}$				n hours in semester) 15*S₀ = 84 hours		
			Total course workload: 75 + 105 = 180 hours in semester						
		. Education students for							
Student learning 2. objectives 3. 4.		2. Independent working of geometric models of machine parts and assemblies,							
		3. Independent working of technical documentation,							
		4. Farametric variation of the model No conditioning							
Teaching									
methods		ectures, raboratory exercises							
Content of the course by weeks		 Application of computers in the process of construction and development of new products, Geometric modeling of machine parts, Types of models. Advantages and disadvantages, Euler-Pinocare operations. B-rep model validation CSG model, Modeling of prismatic shapes, Modeling of cylindrical shapes, Moteling of cylindrical shapes, Mathematical transformations of the model, Parametric modeling, Use of standard and standardized machine elements, Making of subassemblies and assemblies, Preparation of construction documentation. Projections, sections and views, Simulation of working assembly, A simple stress analysis 							
A (1			Required literature					_	
Authors		4 - II	Name	Name of the publication, publisher		Year	r Pages		
IVI.IVI.IVI. SAKCAK, at		t all.	Computer Ai	ded Design and	a Manufacturin	g 200	8		
IVI.IVIIIutinovi	C		Authorized presentations						
Authors			Name of the publication publisher Vear Pages						
						104	-		
Obligations, forms of knowledge check and assessment			Туре	e of student eval	uation		Points	Percentage	
		attendance at lectures / exe					5+5 10%		
		Colloquium I and II + Written exam					50	50%	
		final over (are) (written)						409/	
		Total					40	40% 100 %	
Web page		100 100 /0							
Date of									
certification									