Title of Course		Selected problems of CAD			
Semester		Autumn			
Teaching		Total	- Lectures:	- Project:	
Hours per Course:		30	15	15	
ECTS Credits		3			
The content of education					
Aims of	The main goal is to teach students the subject applications of CAD systems				
Course	in th	in the process designing machines and devices			
	Preparation is an additional goal of teaching students to solve on their own				
	engineering problems in the field specific curriculum item.				
Due guess	T actions.				
Program	Lectures:				
	Preliminary issues: design, construction, general and detailed principles of construction, structure design process.				
	CAD systems: definition, design structure computer-assisted benefits of				
	CAD application.				
	Computer Aided Manufacturing Systems CAM, integration of CAD /				
	CAM systems.				
	Modeling in engineering activities.				
	Optimization in CAD systems.				
	Engineering calculation methods: classical, FEM, digital simulation.				
	Presentation of sample CAD systems.				
	Projects:				
	3D digital model of a bearing seat				
		ligital model of a simple mechanical device			
		parametric model	1		
		et metal design			
	Optimization task design				
C 1'4' 6	TP1	1'4' C ' 4		1 1	
Conditions of	The condition for passing the course is to pass the test on the portal				
completion	portaliusz.pl, perform and send to the portal portaliusz.pl and positively evaluate the 3D model of the selected part.				
	Cvall	uate the 3D model of the	sciected part.		
Teacher	Włodzimierz Malesa				