Title of Course		Computer Methods in Civil Engineering – project			
Semester		Autumn/Spring			
Teaching		Total	- Lectures:	- Tutorials:	
Hours per Course:		45	0	45	
ECTS Credits		2			
The content of education					
Aims of	The aim of the course is to learn about computational methods used in engineering				
Course	calcul	calculations (including finite differences method and finite element method),			
	includ	including their algorithms and limitations, as well as practical skills in modelling			
	engine	engineering issues and solving them using computer programs. In addition, during			
	the lea	modelling technology			
D	D1. Design the state of a 2D frame using three different coloulation				
Program	PI - P	P1 - Project no. 1 (e.g. calculation of a 2D frame using three different calculation programs including at least one based on MES) P2. Project No. 2 (a.g. calculation			
	of a re	f a rectangular plate by two or three different methods, including MFS) $P_3$ .			
	Projec	roject No. 3 (e.g. calculation of a 3D frame using two or three different calculation			
	progra	ograms, including at least one based on MES). P4 - Calculation of one of the P1 -			
	P3 pro	projects with additional assumptions.			
Conditions of	The condition for passing the course is participation in classes (no more than two				
completion	absences are allowed) and the completion and submission of two project exercises				
-	accore	according to the topics issued by the teacher. Independent execution of the indicated			
	projec	project exercises by the student is treated as achieving the required educational			
	result	results at the minimum level and results in the student obtaining a sufficient grade			
	(3.0) 1	.0) from the classes. Students who wish to receive a higher grade from the classes			
	perfor	form one or two additional project exercises according to the topics given by the			
	leache	actively where the completion of one of the exercises results in an increase by at			
Taaahar	Craci	Grzagorz Sodowski MSo			
reacher	UIZCZUIZ SAUUWSKI, WISC				