MODULE DESCRIPTION			Last up-o	Last up-date: 20.02.2006		
Abbr.	Description			Lecturer		
MA_W9	Structural Mechanics		Zhang			
Position in the study progress, time extent, credit points						
4 SWH, 6 CP						
Applicability, module type, offer frequency						
Master of Science, optional obligatory module, yearly offer						
Admission requirements for examination						
Approved home works						
Achievement and examination forms, requirements, work expenditure, credit points						
Form of achi	evement Requ	uirements	Work expenditure	СР	Mark weights	
Presence, se	If-study		130 h			
Elaborations	Appr	roved home works	50 h	-	-	
Examination	Exar	mination (3 h)		6	100 %	
LAdminuter				v	100 /0	
	I	Sum	180 h	6	100 %	
Which technical, methodical and practical contents will be conveyed?						
Beams on elastic foundation						
Geometrically nonlinear problems (stability problems, theory II. order)						
Physically nonlinear problems (plastic hinge method, ultimate load method)						
Introduction into the Finite Element Method (FEM)						
Which technical/methodical competence and key qualifications should be gained?						
This course deals with extended and specialized subjects in structural mechanics, especially beams on elastic						
oriented numerical methods, especially the Finite Element Method (FEM) will be conveyed.						