MODULE DESCRIPTION										
Abbr.	Description						Lecturer			
BA_F1	Stru	Structural Mechanics I						Zhang		
Position in the study progress, time extent, credit points							Module responsible			
3. Semester, 4 SWH, 5 CP							Zhang			
Applicability, offer frequency										
Study program: Bachelo			Module type: Obligatory Offer			: Yearly				
Admission requirements for examination										
Successful final examination of the 1. study period. Approved home works.										
Achievement and examination forms, requirements, work expenditure, credit points										
Form of ach	Form of achievement			Requirements				CP	Mark weights	
Presence, s	Presence, self-study									
Home works			Written elaborations. Approved home works.				45 h			
Examination			Examination, duration 2h						100 %	
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	<u> </u>					Sum	150 h	5	100 %	
Which technical, methodical and practical contents will be conveyed?										
Introduction of the theory of structural mechanics for bar and rod structures     Internal forces/moments and deformations of statically determinate systems										
<ul> <li>Internal forces/moments and deformations of statically indeterminate systems</li> </ul>										
The flexibility matrix method (force method)										
The stiffness matrix method (displacement method)										
Which technical/methodical competence and key qualifications should be gained?										
In this course, fundamentals of the theory of structural mechanics of bar and rod structures are dealt with. The										
students should learn several methods for the determination of the internal forces/moments and deformations										
In plane and spatial structures subjected to different loading types.										