

Study Regulations – Appendix 1 (Study and examination plan) M.Sc. in »Natural Hazards and Risks in Structural Engineering«		Semester 1	Semester 2	Semester 3	Semester 4
		Credits	Credits	Credits	Credits
Module	Credits				
Applied mathematics and stochastics for risk assessment	6	6			
Geographical Information Systems (GIS) and building stock survey	6	6			
Primary hazards and risks	6	6			
Finite element methods and structural dynamics	6	6			
Structural engineering	6	3	3		
Elective module **	6	3	3		
Structural parameter survey and evaluation	6		6		
Earthquake engineering and structural design	6		6		
Geo- and hydrotechnical engineering	6		6		
Elective compulsory module *	6		6		
Disaster management and mitigation strategies	6			6	
Life-lines engineering	6			6	
Elective compulsory module *	6			6	
Special Project	12			12	
Elective module **	6				6
Master's thesis	24				24
Total	120	30	30	30	30

* See the NHRE module catalogue (updated every semester, subject to confirmation by the examination committee).

** Free choice of modules from the Master's programmes offered at the Bauhaus-Universität Weimar (graded German courses worth max. 6 credits may also be selected).