BAUHAUS-UNIVERSITÄT WEIMAR
Faculty of Civil Engineering

M.Sc. program: Natural Hazards and Risks in Structural Engineering **[NHRE] – PV16, PV19, PV20**

NHRE – 2nd Semester

Version of 21.03.2023

Timetable Summer Semester 2023 (Lecture: 03.04. – 14.07.2023 / Excursion week 30.05. – 02.06.2023 / Examination: 22.07. – 11.08.2023)

Zeit/Time	Montag / Monday	Dienstag / Tuesday	Mittwoch / Wednesday	Donnerstag / Thursday	Freitag / Friday
7:30 - 9:00	(L) * **Applied FEM** Prof. Rabczuk / ISM R205, M7B	(L/E) **Complex dynamics** Prof. Rüffer LH 2, C13B (P) **Experimental structural dynamics** (14 pers. only) Dr. Zabel L-B, M7B	(L/E) **Modelling of steel structures and numerical simulation** Prof. Kraus LH D, M13C / L-B/L-G, M7B	(E/P) * **Introduction to optimization/ Optimization in Applications** ISM L-B, M7B	(E/P) * **Stochastic simulation techniques and structural reliability** ISM L-B, M7B (E) **Applied FEM** Prof. Rabczuk /ISM L-G, M7B
9:15 - 10:45	(L/P) **Introduction to optimization/ Optimization in Applications** Prof. Lahmer LH D, M13C (L/E) **Mathematics for data science** Prof. Rüffer / Dr. Schönlein LH 2, C13B		(L/E) **Geo- and hydrotechnical engineering** *Geotechnical engineering* Prof. Staubach LH D, M13C	(L) **Advanced Building Information Modelling** Prof. Koch LH A, M13C (L/E/P) **Computational and experimental wind engineering for Long-span Bridge Design** Prof. Morgenthal L-B / R205, M7B	(L) * **Structural parameter survey and evaluation** *Signal analysis* Prof. Illge *Sensor based monitoring* Prof. Morgenthal LH D, M13C
11:00 - 12:30	(L/E) **Modelling of steel structures and num. simulation** Prof. Kraus LH D, M13C + L-B/L-G, M7B	(L/E/P) **Stochastic simulation techniques and structural reliability** Prof. Lahmer LH 2, C13B	(E) **Advanced Building Information Modelling** Prof. Koch SDS, M7B / B-P C11C (L/E/P) **Computational and experimental wind engineering for Long-span Bridge Design** Prof. Morgenthal L-B / R205, M7B	(L) * **Geo- and hydrotechnical engineering** *Flood Haz. and Vuln. Assessm.* Dr. Maiwald LH D, M13C	
13:30 - 15:00	(L) **Structural engineering** *Steel structures* Prof. Kraus LH D, M13C	(L/E) * **Multi hazard and risk assessment**** (25 pers. only) Dr. Beinersdorf / EDAC LH D, M13C	(T) * Applied FEM ISM L-B / R205, M7B	(L) **Earthquake engineering and structural design** Dr. Schwarz / Prof. Abrahamczyk LH D, M13C	(L) **Structural parameter survey and evaluation** *Geo-spatial monitoring* Prof. Rodehorst LH D, M13C
15:15 - 16:45	(L/E) **Multi hazard and risk assessment**** (25 pers. only) Prof. Cotton / Dr. Beinersdorf / GFZ LH D, M13C	(L) **Geo- and hydrotechnical engineering** *Flood Haz. and Vuln. Assessm.* Dr. Maiwald LH D, M13C		(L) * **Earthquake engineering and structural design** Dr. Schwarz / Prof. Abrahamczyk LH D, M13C	(L/E) * **Geo- and hydrotechnical engineering** *Geotechnical engineering* Prof. Staubach LH D, M13C
17:00 - 18:30	(E) * Group I and II starting 10.04.2023 **Earthquake engineering and structural design** EDAC/KTW L-B, L-G / R205, M7B	(L) **Structural Engineering** *Steel structures* Prof. Kraus LH D, M13C		(E) * Group III starting 13.04.2023 **Earthquake engineering and structural design** EDAC/KTW L-B / L-G, M7B	

Legend: Compulsory Elective Compulsory Elective * dates by arrangement
(L) = Lecture / (E) = Exercise / (P) = Project / (T) = Tutorium
** **compulsory for DAAD-scholarship holders** (25 persons only)
** **Excursion to GFZ Potsdam** from 02.06. - 05.06.2022 (compulsory for DAAD-EPOS-scholarship holders)

L-B…Luna-Blue, M7B L-G…Luna-Grey, M7B O-P…Orionpool, C11C B-P…Betonpool, C13B CW … Calendar week
SDS…Student Design Studio – SDS 303 M7B
M - Marienstraße; C - Coudraystraße, HK – Hausknechtstraße

Start of the exercises, if separate – always following the first lecture! **Please check regularly the information given on the university homepage as well as the respective moodle rooms!** **Please check BISON as well!**
Moodle Links are available in BISON – please check the announcements made by the lecturers; BISON course overview, timetable