## Master program NHRE - ER 16, 19, 20

| _            | Monday   | Tuesday   | Wednesday   | Thursday   | Friday   |
|--------------|--|---|---|--|--|
| 2nd examweek | 22.07.2024   | 23.07.2024  | 24.07.2024  | 25.07.2024   | 26.07.2024   |
| 1st semester | Structural engineering -<br>Standard systems (205012), until WiSe21/22<br>Reinforced and post-tensioned concrete<br>structures (205032), from WiSe 22/23 |   | Finite element methods<br>and structural dynamics -<br>Part: Structural Dynamics (401014) |  | Primary hazards and risks -<br>Part: Seismic monitoring (202001)                             |
|              |  |   | Applied Structural Dynamics (401011)  | _  |  |
| 2nd semester |  | Earthquake engineering and structural design (202002) |   | Geo- and hydrotechnical engineering -<br>Part: "Flood Hazard and Vulnerability<br>Assessment" (202003) | Introduction to Optimization (451002) /<br>Optimization in Applications (451006)             |
| 3rd semester | Assessment of structural perfomance (under extreme loading conditions) (202011)  |   |   | Disaster management and mitigation strategies -<br>Part: Sociology of disaster (901033)                |  |
|              | Monday   | Tuesday   | Wednesday   | Thursday   | Friday   |
| 3rd examweek | 29.07.2024   | 30.07.2024  | 31.07.2024  | 01.08.2024   | 02.08.2024   |
| 1st semester | Applied mathematics and stochastics for risk assessment (301012)   |   | Geographical information systems (GIS) and building stock survey (904002)                 |  | Finite element methods<br>and structural dynamics -<br>Part: Finite element methods (401015) |
| 2nd semester | Geo- and hydrotechnical engineering - Part:<br>"Geotechnical Engineering" (906014)   |   |   | Multi-Hazard and risk assessment (202004)  | Applied Finite element methods (401012)  |
| 3rd semester |  | Risk projects and evaluation of structures (202005)   | Secondary hazards and risks<br>(906016)   |  |  |
|              | Monday   | Tuesday   | Wednesday   | Thursday   | Friday   |
| 4th examweek | 05.08.2024   | 06.08.2024  | 07.08.2024  | 08.08.2024   | 09.08.2024   |
| 1st semester |  |   |   | Wind Engineering (204017)  |  |
| 2nd semester | Structural engineering -<br>Steel structures (205033)  |   | Modelling of steel structures and numerical simulation (205007)                           |  | Structural parameter survey and evaluation (204018)  |
| 3rd semester |  | Life-lines engineering (204019)                       |   | Design and interpretation of experiments (205014)  |  |

Disaster management and mitigation strategies - Part: Project and disaster management (901005) → written project report (register via BISON), only winter semester Computational and Experimental Wind Engineering (204031) → written project report (register via BISON), only summer semester Optimization in Applications (451006) → written project report (register via BISON)

Subject to modification and amendments! First week = buffer week

Legend: compulsory module

elective (compulsory) module

Exam - Time and location will be announced

date 20.03.2024

by responsible lecturer