

Master Course Computational Engineering

Ruhr-Universität Bochum Fakultät für Bau- und Umweltingenieurwissenschaften





EXAMINATION DATES WINTER SEMESTER 2023/24

| Title | | Module Coordinator | Date in 2024 | Sem. | Perpetual date |
|---------|--|-------------------------------|-------------------|------|---------------------------|
| WEEK 1 | | | | | |
| CE-WP08 | Numerical Methods and Stochastics | Prof. Kormann / Prof. Lederer | 19.02. | 2 | 1 st Monday |
| CE-P04 | Modern Programming Concepts in Engineering | Prof. König | 20.02. | 1 | 1 st Tuesday |
| CE-WP04 | Advanced Finite Element Methods | Prof. Meschke | 21.02. | 2 | 1 st Wednesday |
| CE-WP18 | Safety and Reliability of Engineering Structures | PD Dr. Kasperski | 22.02. | 3 | 1 st Thursday |
| CE-W10 | Scientific C++ Programming (Advanced) first time in SuSe 2024 | Prof. Vogel | 23.02. | 2 | 1 st -Friday |
| WEEK 2 | | | | | |
| CE-P02 | Mechanical Modelling of Materials | Prof. Balzani | 26.02. | 1 | 2 nd Monday |
| CE-WP25 | High-Performance Computing on Multicore Processors nof offered in WiSe 2023/24 | Prof. Vogel | 27.02. | 2 | 2 nd -Tuesday |
| CE-WP26 | High-Performance Computing on Clusters | Prof. Vogel | 28.02. | 3 | 2 nd Wednesday |
| CE-W09 | Scientific C++ Programming (Basics) | Prof. Vogel | | 1 | 2 nd Wednesday |
| CE-P07 | Continuum mechanics | Prof. Hackl | 29.02. | 2 | 2 nd Thursday |
| CE-WP20 | Materials for Aerospace Applications | Prof. Bartsch | | 3 | 2 nd Thursday |
| CE-WP13 | Advanced Control Methods for Adaptive Mechanical Systems | Prof. Nestorovic | 01.03. | 3 | 2 nd Friday |
| WEEK 3 | | | | | |
| CE-P01 | Mathematical Aspects of Differential Equations and Numerical Mathematics | Prof. Röhrle | 04.03. | 1 | 3 rd Monday |
| CE-WP05 | Computational Fluid Dynamics | Prof. Henning | 05.03. | 2 | 3 rd Tuesday |
| CE-WP01 | Variational Calculus and Tensor Analysis | Prof. Hackl | 06.03. | 1 | 3 rd Wednesday |
| CE-WP03 | Adaptronics | Prof. Nestorovic | 07.03. | 2 | 3 rd Thursday |
| CE-WP15 | Design Optimization | Prof. König | 08.03. | 3 | 3 rd Friday |
| WEEK 4 | | | | | |
| CE-P03 | Computer-based Analyses of Steel Structures | Prof. Knobloch | 11.03. | 1 | 4 th Monday |
| CE-WP09 | Numerical Simulation in Geotechnics and Tunneling | Prof. Meschke | 12.03. | 2 | 4 th Tuesday |
| CE-WP17 | Numerical Methods for Conservation Laws | Prof. Henning | 13.03. | 3 | 4 th Wednesday |
| CE-WP14 | Computational Wind Engineering | Prof. Höffer | 14.03. | 3 | 4 th Thursday |
| CE-WP12 | Computational Plasticity | Prof. Hartmaier | 15.03. | 2 | 4 th Friday |
| WEEK 5 | | | • | | |
| CE-WP02 | Optimization Aided Design – Reinforced Concrete | Prof. Mark | 18.03. | 2 | 5 th Monday |
| CE-P05 | FE Methods in Linear Structural Mechanics | Prof. Meschke | 19.03. | 1 | 5 th Tuesday |
| | | | 20.03. | | 5 th Wednesday |
| CE-WP19 | Computational Fracture Mechanics | Prof. Hartmaier | 21.03. | 3 | 5 th Thursday |
| CE-P06 | Fluid Dynamics | Prof. Höffer | 22.03. | 2 | 5 th Friday |

25th September 2023

Subject to change without notice!