Master Course Computational Engineering
Ruhr-Universität Bochum
Fakultät für Bau- und Umweltingenieurwissenschaften

RUHR
UNIVERSITÄT
BOCHUM

RUB

EXAMINATION DATES WINTER SEMESTER 2022/2023

Title		Module Coordinator	Date in 2023	Sem.	Perpetual date
WEEK 1					
CE-WP08	Numerical Methods and Stochastics	Prof. Weimar / Prof. Lederer	**13.02.**	2	*1st Monday*
CE-P04	**Modern Programming Concepts in Engineering**	**Prof. König**	**14.02.**	1	*1st Tuesday*
CE-WP04	Advanced Finite Element Methods	Prof. Meschke	**15.02.**	2	*1st Wednesday*
CE-WP18	Safety and Reliability of Engineering Structures	PD Dr. Kasperski	**16.02.**	3	*1st Thursday*
			17.02.		
WEEK 2					
CE-P02	**Mechanical Modelling of Materials**	**Prof. Balzani**	**20.02.**	1	*2nd Monday*
			21.02.		
			22.02.		
CE–P07	**Continuum mechanics**	**Prof. Hackl**	**23.02.**	**2**	*2nd Thursday*
CE-WP20	Materials for Aerospace Applications	Prof. Bartsch		3	*2nd Thursday*
CE-WP13	Advanced Control Methods for Adaptive Mechanical Systems	Prof. Nestorovic	**24.02.**	3	*2nd Friday*
WEEK 3					
CE-P01	**Mathematical Aspects of Differential Equations and Numerical Mathematics**	**Prof. Röhrle**	**27.02.**	1	*3rd Monday*
CE-WP05	Computational Fluid Dynamics	Prof. Henning	**28.02.**	2	*3rd Tuesday*
CE-WP01	Variational Calculus and Tensor Analysis	Prof. Hackl	**01.03.**	1	*3rd Wednesday*
CE-WP03	Adaptronics	Prof. Nestorovic	**02.03.**	2	*3rd Thursday*
CE-WP15	Design Optimization	Prof. König	**03.03.**	3	*3rd Friday*
WEEK 4					
CE-P03	**Computer-based Analyses of Steel Structures**	**Prof. Knobloch**	**06.03.**	1	*4th Monday*
CE-WP09	Numerical Simulation in Geotechnics and Tunneling	Prof. Meschke	**07.03.**	2	*4th Tuesday*
CE-WP17	Numerical Methods for Hyperbolic Conservation Laws	Prof. Henning	**08.03.**	3	*4th Wednesday*
CE-WP14	Computational Wind Engineering	Prof. Höffer	**09.03.**	3	*4th Thursday*
CE-WP12	Computational Plasticity	Prof. Hartmaier	**10.03.**	2	*4th Friday*
WEEK 5					
CE-WP02	Optimization Aided Design – Reinforced Concrete	Prof. Mark	**13.03.**	2	*5th Monday*
CE-P05	**FE Methods in Linear Structural Mechanics**	**Prof. Meschke**	**14.03.**	1	*5th Tuesday*
CE-WP26	High-Performance Computing on Clusters	Prof. Vogel	**15.03.**	3	*5th Wednesday*
CE-WP19	Computational Fracture Mechanics	Prof. Hartmaier	**16.03.**	3	*5th Thursday*
CE-P06	**Fluid Dynamics**	**Prof. Höffer**	**17.03.**	**2**	*5th Friday*

Modules with individual dates

CE-W09	An Introduction to Geostatistics	Prof. König	**TBA**	1	
CE-W08	Quantum Computing	Prof Vogel	→	3	Exams: 06th to 24th March

23rd September 2022
Subject to change without notice!

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