RUHR UNIVERSITÄT BOCHUM

RUB

MSS
MATERIALS SCIENCE AND SIMULATION

Timetable **Materials Science and Simulation** summer term 2021 (2nd semester)

Time	Monday			Tuesday		Wednesday		Thursday		Friday
8-9	**(3a) Quantum Mechanics in Materials Science (L),** Drautz, 8.30-10.00	**(10-5) Advanced Finite Element Methods (L),** Meschke, 8.30-10.00		**(6-MS5) Continuum Mechanics,** Hackl, Le 8.30-10.00		**(6-MS2) Data-driven Materials Science (L),** Drautz, Lysogorskiy, 8.30-10.00 (this course might take place as a block course, t.b.a.)		**(3b) Microstructure and Mechanical Properties,** Stricker, 8.15-11.45		**(6-MS2) Data-driven Materials Science (E),** Drautz, Lysogorskiy, 8.30-10.00
9-10										
10-11	**(6-MS1) Interfaces and Surfaces (L),** Hammerschmidt, Janisch, 10.15-12.00	**(10-5) Advanced Finite Element Methods (E),** Meschke, 10.15-11.45	**(3a_1) Quantum Mechanics in Materials Science (E),** 10.00-12.00,	**(6-MS6) Physics of Complex Phase Transitions in Solids (L),** Grünebohm, Eremin,10.00-12.00		**(7-PC4) Polymers and Shape Memory Alloys,** Neuking, Frenzel, 10.15-13.00	**(7-PC3) MEMS und Nanotechnology (S),** Ludwig, 10.00-12.00, (language: German)		**(7-PC3) MEMS und Nanotechnology (S),** Ludwig, 10.00-12.00 (language: German)	**(6-MS3) Phase-Field Theory and Application (L),** Steinbach, Varnik, Shchyglo, 10.00-11.30
11-12										
12-13					**(7-PC2) Fundamental Aspects of Materials Science and Engineering (FAMSE) (L),** Eggeler, 12.00-15.00			**(6-MS1) Interfaces and Surfaces (E),** Hammerschmidt, Janisch 12.15-14.00		**(6-MS3) Phase-Field Theory and Application (E),** Steinbach, Varnik, Shchyglo, 12.30-14.30
13-14	**(7-PC1) Modern Coating Technologies (L),** Devi, 13.30-15.30 (Seminar on Wednesday, 10-11)			**(6-MS6) Physics of Complex Phase Transitions in Solids (E),** Grünebohm, Eremin,13.00-15.00			**(11-2) Engineering Ceramics & Coating Technology** (L+S), Vaßen (Compact course), 13.15-16.15, t.b.a.			
14-15						**(6-MS4) Introduction to Parallel- & Scientific-Computing (L+S),** Sutmann, 13.30-16.30		**(6-MS5) Continuum Mechanics,** Hackl, Le 14.00-16.00	**(6-MS7) The CALPHAD Method (L,S),** Kundin, 14.00-17.00	
15-16				**(11-5) Atomistic Aspects of Materials Properties,** Hammerschmidt, Janisch, 15.00-17.00						**(4) Advanced Characterization Methods,** Frenzel, Li 15.00-18.00
16-17	**(11-6) Mathematics for Materials Modelling,** Mrovec, 16.00-18.00,							**(3a_2) Quantum Mechanics in Materials Science (E),** 16.00-18.00		
17-18										

Obligatory modules
Profile modules (Modelling & Simulation)
Profile modules (Processing & Characterization)
Optional modules (General optional subject)

* Department of civil and environmental engineering IC 02/153
please also check the notice board of the faculty

lecture period: 12.04.2021-23.07.2021
unless otherwise stated, lectures start in the first week of the lecture period

status as of 3 March 2021

(11-1) Statistical Methods in Data Analysis and Processing, Roslyakova, CIP 514, Block course, t.b.a.