

# Design, Mechanics and Materials

Focus Coordinator: Prof. Kristina Shea

Elective Courses	LE-Nr.	ETCS HS 16	ETCS FS 16
Methoden der Strukturanalyse	151-0360-00	4	
Strukturlabor	151-0364-00	4	
Microscale Acoustofluidics*	151-0509-00	4	
Continuum Mechanics 1	151-0524-00	4	
Nonlinear Dynamics & Chaos I*	151-0532-00	4	
Umformtechnik I - Grundlagen	151-0731-00	4	
Dynamic Behavior of Materials and Structures*	151-0735-00**	4	
Studies on Engineering Design	151-3201-00	3	
Grand Challenges in Engineering Design	151-3203-00	1	
Leichtbau	151-3207-00	4	
Engineering Design Optimization*	151-3209-00	4	
Dimensionieren II	151-0304-00		4
Visualization, Simulation and Interaction - Virtual Reality I*	151-0306-00		4
GL zum Bemessen von Kunststoffbauteilen*	151-0324-00		4
Product Development: Leading Engineering Projects and Coaching Design Teams	151-0330-00		4
Interdisciplinary Product Development: Definition, Realisation and Validation of Product Concepts	151-0332-00		4
An Introduction to the Finite-Element Method*	151-0361-00		4
Nicht-glatte Dynamik	151-0516-00		5
Experimentelle Mechanik	151-0540-00		4
Engineering Design Methods	151-3202-00		4

\* Courses from the Master's degree program, please contact lecturers to ask permission to attend.

\*\* This course does not take place in HS16 and will be offered in FS17 again.