

## English taught lectures at the Faculty of Civil Engineering, RWTH Aachen University

Due to organizational modifications, the accuracy of this information may be subject to change.

For further information please contact [international@fb3.rwth-aachen.de](mailto:international@fb3.rwth-aachen.de)

Faculty of  
Civil Engineering



Course Name and Link to (English) Module Description	Language	Level	Semester Winter/ Summer	Credit Points	Lecturer
<a href="#">Advanced Geographic Information Systems in Water and Energy Management</a>	English	M.Sc.	W	4	Prof. Nacken
<a href="#">Advanced Structural Analysis</a>	English	M.Sc.	W	4	Prof. Klinkel
<a href="#">Brittle-Matrix Composite Structures: Modeling and Design Methods</a>	English	M.Sc.	S	8	Prof. Hegger
<a href="#">Building Information Modeling</a>	English	M.Sc.	W and S	7	Prof. Blankenbach
<a href="#">Building Performance Simulation</a>	English	M.Sc.	S	6	Prof. van Treeck
<a href="#">Coastal Engineering</a>	English	M.Sc.	S	4	Prof. Schüttrumpf
<a href="#">Continuum Mechanics</a>	English	M.Sc.	S	8	Prof. Reese
<a href="#">Discovering Innovation - Project Work Beyond Engineering</a>	English	M.Sc.	W	4	Prof. Leicht-Scholten
<a href="#">Diversity and Innovations</a>	English	M.Sc.	W	3	Prof. Leicht-Scholten
<a href="#">Engineering Hydrology</a>	English	M.Sc.	W	5	Prof. Nacken
<a href="#">Environmental Sustainability in Transport Engineering</a>	English	M.Sc.	W	6	Prof. Oeser
<a href="#">Expanding Engineering Limits: Culture, Diversity and Gender - Lecture Part</a>	English	M.Sc.	W	5	Prof. Leicht-Scholten
<a href="#">Finite-Element-Technology</a>	English	M.Sc.	S	6	Prof. Reese
<a href="#">Flood Risk Management</a>	English	M.Sc.	W	3	Prof. Nacken
<a href="#">Geographic Information Systems in Water Management I</a>	English	M.Sc.	W	4	Prof. Nacken

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<a href="#">Geotechnical Project Study</a>	English	M.Sc.	S	5	Prof. Ziegler
<a href="#">Global Changes and Sustainable Development</a>	English	M.Sc.	W	4	Dr. Sewilam
<a href="#">Hydraulic Engineering Experiments</a>	English	M.Sc.	W	4	Prof. Schüttrumpf
<a href="#">Hydrodynamic Simulation</a>	English	M.Sc.	W	4	Prof. Schüttrumpf
<a href="#">Hydromechanics III</a>	Lecture and Exercise in German Language English Course Material and English Exam available	M.Sc.	W	4	Prof. Schüttrumpf
<a href="#">Industrial Wastewater Treatment</a>	English	M.Sc.	W	4	Prof. Pinnekamp
<a href="#">Hydromechanical Internship</a>	English	B.Sc.	S	5	Prof. Schüttrumpf
<a href="#">Introduction to Geographic Information Systems in Water and Energy Management</a>	English	M.Sc.	S	4	Prof. Nacken
<a href="#">Introduction to Research</a>	English	M.Sc.	S	3	Prof. Veroy-Grepl
<a href="#">Introduction to Scientific Computing I</a>	English	B.Sc.	W and S	3	Prof. Veroy-Grepl
<a href="#">Introduction to Scientific Computing II</a>	English	M.Sc.	W	3	Prof. Veroy-Grepl
<a href="#">Matrix and Tensor Calculus</a>	English	M.Sc.	W	5	Prof. Reese
<a href="#">Mechanics of Materials</a>	English	M.Sc.	W	8	Prof. Reese
<a href="#">Mobility Research and Transportation Modeling</a>	English	M.Sc.	S	6	Dr. Louen
<a href="#">Nonlinear Finite Element Methods in Civil Engineering</a>	English	M.Sc.	S	4	Prof. Reese, Prof. Klinkel

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<a href="#">Nonlinear Structural Analysis</a>	English	M.Sc.	S	8	Prof. Klinkel
<a href="#">Numerical Methods</a>	English	M.Sc.	W	4	Prof. Veroy-Grepl
<a href="#">Numerical Methods in Structural Mechanics and Dynamics</a>	English	M.Sc.	W	12	Prof. Reese, Prof. Klinkel
<a href="#">Pavement Dynamics</a>	English	M.Sc.	W	6	Prof. Oeser
<a href="#">Plasticity and Fracture Mechanics</a>	English	M.Sc.	S	6	Prof. Reese
<a href="#">Plates and Shells</a>	English	M.Sc.	W	8	Prof. Klinkel
<a href="#">Railway Capacity Management and Operations</a>	English	M.Sc.	W	2	Prof. Nießen
<a href="#">Railway Control Systems</a>	English	M.Sc.	S	2	Prof. Nießen
<a href="#">Railway Systems</a>	English	M.Sc.	W	6	Prof. Nießen
<a href="#">Railway Timetabling and Operations</a>	English	M.Sc.	W	4	Prof. Nießen
<a href="#">Reshaping Engineering Culture with Design Thinking</a>	English	M.Sc.	W	3	Prof. Leicht-Scholten
<a href="#">Sanitary Engineering in Developing Countries</a>	English	M.Sc.	W	2	Prof. Pinnekamp
<a href="#">Sediment Transport and Morphodynamics</a>	English	M.Sc.	W	4	Dr. Frings
<a href="#">Seminar on Hydraulic Engineering</a>	English	M.Sc.	W and S	3	Prof. Schüttrumpf
<a href="#">Seminar on Social Responsibility, Sustainability and Resilience</a>	English	M.Sc.	S	3	Prof. Leicht-Scholten
<a href="#">Structural Concrete III</a>	English	M.Sc.	W	8	Prof. Hegger
<a href="#">Structural Control and Health Monitoring</a>	English	M.Sc.	W	3	Dr. Altay
<a href="#">Structural Dynamics</a>	English	M.Sc.	W	8	Prof. Klinkel

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<a href="#">Structural Steel III</a>	English	M.Sc.	W	8	Prof. Feldmann
<a href="#">Sustainability Assessment Methods and Tools</a>	English	M.Sc.	S	4	Prof. Traverso
<a href="#">Sustainability Strategies in Politics and Companies</a>	English	M.Sc.	W	4	Prof. Traverso
<a href="#">Timber Structures I</a>	English	M.Sc.	W	4	Prof. Hoffmeister
<a href="#">Timber Structures II</a>	English	M.Sc.	S	8	Prof. Hoffmeister
<a href="#">Water Resources Modelling</a>	English	M.Sc.	W	4	Prof. Nacken
<a href="#">Water-Energy-Food-Nexus</a>	English	M.Sc.	S	4	Dr. Sewilam
<a href="#">Wind Engineering</a>	English	M.Sc.	S	4	Prof. Kemper