

Lectures held in English / Faculty of Architecture, Civil Engineering and Environmental Sciences / Department of Civil Engineering and Environmental Sciences

Title in English	Title in German	Institute of ...	University Lecturer / Professor	Contact Person	E-Mail of Contact Person	Term (summer / winter)	Academic level (Bachelor / Master)	Course of Studies / specialization	Module number	Comments
Linear Solid Mechanics	Lineare Kontinuumsmechanik	Applied Mechanics	Prof. Dr.-Ing. Laura De Lorenzis	Roland Kruse	r.kruse@tu-bs.de	winter	Master	Civil Engineering	BAU-ST04-21	
Non-linear Solid Mechanics	Nichtlineare Kontinuumsmechanik	Applied Mechanics	Prof. Dr.-Ing. Laura De Lorenzis	Roland Kruse	r.kruse@tu-bs.de	summer	Master	Civil Engineering	BAU-ST03-03	
Introduction to Fracture Mechanics	Einführung in die Bruchmechanik	Applied Mechanics	Prof. Dr.-Ing. Laura De Lorenzis	Roland Kruse	r.kruse@tu-bs.de	winter	Master	Civil Engineering	BAU-ST04-13	
Isogeometric Methods	Isogeometrische Methoden	Applied Mechanics	Prof. Dr.-Ing. Laura De Lorenzis	Roland Kruse	r.kruse@tu-bs.de	summer	Master	Civil Engineering	NN	
Public Transport - Offer and Service Planning	ÖPNV - Angebotsplanung	Transportation and Urban Engineering	Prof. Dr.-Ing. Bernhard Friedrich	Stephan Hoffmann	stephan.hoffmann@tu-bs.de	summer	Master	Civil Engineering, Environmental Engineering, Mobility and Transportation	BAU-ST03-40	
Sustainable Cyber Physical Production Systems	Nachhaltige cyber-physische Produktionssysteme	Machine Tools and Production Technology	Dr.-Ing. Sebastian Thiede, Prof. Dr.-Ing. Christoph Herrmann	Max Juraschek	m.juraschek@tu-braunschweig.de	winter	Master	Environmental Engineering / Environmental Sustainability and Life Cycle Engineering	MB-IWF-58	
Energy Efficiency in Production Engineering	Energieeffizienz in der Produktionstechnik	Machine Tools and Production Technology	Dr.-Ing. Sebastian Thiede, Prof. Dr.-Ing. Christoph Herrmann	Lennart Büth	l.bueth@tu-braunschweig.de	summer	Master	Environmental Engineering / Environmental Sustainability and Life Cycle Engineering	MB-IWF-49	
Material Resources Efficiency in Engineering	Materialeffizienz im Ingenieurwesen	Machine Tools and Production Technology	Prof. Dr.-Ing. Christoph Herrmann	Selin Erkiş-Arıcı	s.erkiş@tu-braunschweig.de	summer	Master	Environmental Engineering / Environmental Sustainability and Life Cycle Engineering	MB-IWF-50	
Life Cycle Assessment for Sustainable Engineering	Lebenszyklusanalyse für nachhaltiges Ingenieurwesen	Machine Tools and Production Technology	Prof. Dr.-Ing. Christoph Herrmann	Nicolas Bogner	n.bogner@tu-braunschweig.de	winter	Master	Environmental Engineering / Environmental Sustainability and Life Cycle Engineering	MB-IWF-46	
Methods and Tools for Life Cycle Oriented Vehicle Engineering	Methoden und Werkzeuge für ein lebenszyklusorientiertes Fahrzeugingenieurwesen	Machine Tools and Production Technology	Prof. Dr.-Ing. Christoph Herrmann, Prof. Dr.-Ing. Thomas Vietor	Tobias Wagner	t.a.wagner@tu-braunschweig.de	winter	Master	Environmental Engineering / Environmental Sustainability and Life Cycle Engineering	MB-IWF-51	
Plant-based Natural Fibre Reinforcements in Construction		Building Materials, Concrete Construction and Fire Safety	Univ. Jun.-Prof. Dr. L. Yan		lyan@tu-braunschweig.de	winter	Master	Civil Engineering, Environmental Engineering, Sustainable Design	BAU-IBMB-057	
Advance Composite Materials in Construction		Building Materials, Concrete Construction and Fire Safety	Univ. Jun.-Prof. Dr. L. Yan		lyan@tu-braunschweig.de	summer	Master	Civil Engineering, Environmental Engineering, Sustainable Design	BAU-IBMB-001	
Advanced Characterization of Bituminous Materials		Braunschweig Pavement Engineering Centre	Prof. Dr.-Ing. Augusto Cannone Falchetto		a.cannone-falchetto@tu-braunschweig.de	summer	Master	Civil Engineering, Environmental Engineering, Mobility and Transportation	BAU-SW-001	
Fracture and Scaling in Asphalt Materials		Braunschweig Pavement Engineering Centre	Prof. Dr.-Ing. Augusto Cannone Falchetto		a.cannone-falchetto@tu-braunschweig.de	summer	Master	Civil Engineering, Environmental Engineering, Mobility and Transportation	BAU-SW-003	
Various Subjects							Master	Interdisciplinary Bilingual Master's Program: Computational Sciences in Engineering		List of Modules to be found here: https://www.tu-braunschweig.de/cse/download