

English taught courses in the Department of Mechanical Engineering / Karlsruhe Institute of Technology KIT



Status: Juni 2017

Course number/ Code	BSc	MSc	Component Title	Lecturer	Type	Term	ECTS
Automotive Engineering							
2113809	x	x	Automotive Engineering I	Gauterin, Gießler	Lecture (V)	WS	8
2114856	x	x	Vehicle Ride Comfort & Acoustics I	Gauterin	Lecture (V)	SS	4
2114857	x	x	Vehicle Ride Comfort & Acoustics II	Gauterin	Lecture (V)	SS	4
Manufacturing Engineering							
2118092	x		Selected Topics in Manufacturing Technologies	Schulze	Lecture (V)	SS	4
2118092	x		Ausgewählte Kapitel aus der Fertigung	Schulze	Lecture (V)	SS	4
2150653	x		Basics in Material Handling and Logistics Systems	Golder, Epp	Lecture (V)	SS	4
2117059		x	Mathematische Modelle und Methoden für Produktionssysteme	Furmans, Stoll	Lecture (V)	WS	6
Economy							
2581012	x	x	Renewable Energy - Resources, Technology and Economics	McKenna	Lecture (V)	WS	3,5
2110969	x		Arbeitstechniken im Maschinenbau	Demi	Lecture (V)	WS	2
2581998	x	x	Basics of Liberalised Energy Markets	Fichtner	Lecture (V)	WS	3
Energy, Environment and Safety							
2130910	x	x	CFD in der Energietechnik	Otic	Lecture (V)	SS	4
2189404		x	Der Betrieb von Kraftwerken in der Praxis	Stieglitz	Lecture (V)	WS	4
2190465	x	x	Grundlagen der Reaktorsicherheit für den Betrieb und den Rückbau von Kernkraftwerken	Sánchez-Espinoza	Lecture (V)	WS	4
23399		x	Electrical Power Generation and Power Grid Control	Hoferer	Lecture (V)	WS	3
2190490	x	x	Introduction to Neutron Cross Section Theory and Nuclear Data Generation	Dagan	Lecture (V)	SS	4
2189904	x	x	Ten lectures on turbulence	Otic	Lecture (V)	WS	4
2170476	x	x	Thermische Turbomaschinen II	Bauer	Lecture (V)	SS	6
2189907	x	x	Wärmeübergang in Kernreaktoren	Cheng	Lecture (V)	SS	4
2169553	x	x	Thermische Turbomaschinen I	Bauer	Lecture (V)/ Tutorial (Ü)	WS	6
22331		x	Chemical Fuels	Schaub	Lecture (V)	SS	4
2170490		x	Gas- und Dampfkraftwerke	Schulenberg	Lecture (V)	SS	4
2169461		x	Coal Fired Power Plants (Kohlekraftwerkstechnik)	Fritz, Schulenberg	Lecture (V)	WS	4
2189920		x	Nuclear Fusion Technology	Badea	Lecture (V)	WS	4
2189921		x	Nuclear Power and Reactor Technology	Badea	Lecture (V)	WS	6
2170460		x	Kernkraftwerkstechnik	Schulenberg	Lecture (V)	SS	4
2170491		x	Simulator-Praktikum Gas- und Dampfkraftwerke	Schulenberg	Lab (P)	SS	2
23271		x	Strahlenschutz I: Ionisierende Strahlung	Breustedt, Urban	Lecture (V)	WS	3
Mechanics/Dynamics							
2161224	x	x	Maschinendynamik	Proppe	Lecture (V)	SS	5
2162344	x	x	Nonlinear Continuum Mechanics	Böhlke	Lecture (V)	SS	5
Mechanical Design							
2145186	x	x	Mechanical Design I	Albers, Burkardt	Lecture (V)	WS	4
Mechatronics, Microsystems and Material Technology							
2142884	x	x	Microoptics and Lithography	Mappes	Lecture (V)	SS	4
23682	x	x	Superconducting Materials for Energy Applications	Grilli	Lecture (V)	SS	3
2181740	x	x	Atomistische Simulation und Molekulardynamik	Gumbsch, Pastewka	Lecture (V)	SS	4
2118077	x	x	Sichere Mechatronische Systeme	Golder	Lecture (V)/Tutorial (Ü)	WS/SS	4
2142897	x	x	Microenergy Technologies	Kohl	Lecture (V)	SS	4
2161217		x	Softwaretools der Mechatronik	Proppe	Lab (P)	WS	4
2141861		x	Grundlagen der Mikrosystemtechnik I	Guber, Korvink	Lecture (V)	WS	4
2142874		x	Grundlagen der Mikrosystemtechnik II	Guber, Korvink	Lecture (V)	SS	4
2141501		x	Mikro NMR Technologie	Korvink, MacKinnon	Seminar (S)	WS	4
Electrical and Information Engineering							
23211	x		Materials and Devices in Electrical Engineering	Weber	Lecture (V)	WS	3
23448	x		Space-born Microwave Radiometry - Advanced Methods and Applications	Süß	Lecture (V)	SS	3
23716	x	x	Nanoscale Systems for Optoelectronics	Eisler	Lecture (V)	SS	3
23405	x		Radar Systems Engineering	Wiesbeck	Lecture (V)	WS	3
23263	x		Electromagnetics and Numerical Calculation of Fields	Dössel	Lecture (V)	WS	4,5
23315		x	Electrical Machines	Doppelbauer	Lecture (V)	SS	4
2199120		x	Electrical Power Transmission and Grid Control	Leibfried	Lecture (V)	WS	6
2300002		x	Electric Power Generation and Power Grid	Hoferer	Lecture (V)	WS	3
2199119		x	Modern Software Tools in Power Engineering	Leibfried	Lecture (V)	SS	6