

List of the Courses taught in English at the Department of Mechanical and Process Engineering of the Duesseldorf University of Applied Sciences

Remarks:

- 1) Although the lectures are usually offered only in one of the two semesters of the year (winter or summer) the exams can be taken at the end of both semesters. Thus, it is possible to take the exams of the courses, the lectures of which were not offered in the respective semester.
- 2) In the study plans and course descriptions, some courses are listed only by the German title, although they are also taught in English. For such courses, the English title provided below is just a translation, but not the "official" title. These titles are written in "brackets" for indicating such courses. For them, please use the German title and/or the code, for finding them in the study plans and course descriptions.

Code	English Title of the Course	German Title of the Course	Credits (ECTS)	Winter Semester (WS) / Summer Semester(SS)	Compulsory (PF) / Optional (WF)	Bachelor course (PP,PEU,WiM) /Master course (SET)	Prof
2102	Heat Transfer II	Wärmeübertragung II	4	WS	PF	PEU	Benim
2251	Technical Combustion	Technische Verbrennung	5	SS	PF	PEU	Benim
4110	(Capstone Project)	Projektarbeit	7	SS/WS	PF	PEU	Benim
3088	Selected Topics in Energy Technology	Sondergebiete der Energietechnik	5	WS	WF	PEU	Benim
3082	Biofluid Dynamics	-	5	WS	WF	PEU+PP	Benim
3090	Engineering Ethics	-	5	SS	WF	PEU+PP	Benim
2004	Computational Fluid Dynamics I	-	3	SS	PF	SET	Benim
2005	Computational Fluid Dynamics (P)	-	2	SS	PF	SET	Benim
3005	Computational Fluid Dynamics II	-	6	WS	WF	SET	Benim
3054	Computer Oriented Mechanics*	Mechanik Computerorientiert	5	WS	WF	PP+WiM	Jahr
2108	(Dynamics)	Dynamik	4	SS	PF	PP	Jahr
3007	(Simulation of Mechanical Systems)	Simulation mechanischer Systeme	6	WS	WF	SET	Jahr
3002	(Wind Turbine Technology)	Strömungstechnik und Akustik	6	WS	WF	SET	Kameier
4110	(Project)	Projektarbeit	7	SS/WS	PF	PEU	Kameier
2151	(Control Theory)	Regelungstechnik	2	WS	PF	PP	Kiel
2010	(Modeling and Simulation)	Modellbildung und Simulation	4	SS	PF	SET	Kiel
2201	(Basic Mechanical Operations)	Mechanische Grundoperationen*	3	SS	PF	PEU	Müller
2202	(Basic Thermal Operations)	Thermische Grundoperationen*	3	SS	PF	PEU	Müller
2103	(Fluid Mechanics I)	Strömungstechnik I*	2	WS	PF	PEU+PP	Müller
2155	(Fluid Mechanics II)	Strömungstechnik II*	2	SS	PF	PEU	Müller
207	(Thermodynamics I)	Thermodynamik I*	3	SS	PF	PEU+PP	Neef
2101	(Thermodynamics II)	Thermodynamik II*	2	WS	PF	PEU	Neef
2252	(Power Plant Technology)	Energiewirtschaft und Kraftwerkstechnik**	3 (2)	SS	PF	PEU	Neef
4110	(Energy Engineering Project)	Projektarbeit	7	SS/WS	PF	PEU	Neef
3089	(Case Study Power Plant Technology)	Kraftwerkstechnische Projektstudie	5	WS	WF	PEU	Neef
3091	(Methods of Production Optimization)	Methoden der Produktionsoptimierung	5	SS	WF	WiM	Niemann
201	(Physics)	Physik	3	WS	PF	PEU+PP	Weber
2304	(Air Quality Control)	Luftreinhaltung	4	SS	PF	PEU	Weber
3001	(Ambient Air Related Measurement Techniques)	Umweltmesstechnik Luft	6	SS	WF	SET	Weber
4110	(Environmental Engineering Project)	Projektarbeit	7	SS/WS	PF	PEU	Weber
3035	(Advanced Special Topics of Physics)	Sondergebiete der Physik	5	SS/WS	WF	PEU+PP	Weber
3044	(Selected Case Studies of Environmental Engineering)	Umwelttechnische Projektstudien	5	SS/WS	WF	PEU	Weber
3017	(Robot Constructions)	Industrieroboter	5	WS	WF	PEU+PP	Ziegler
3015	(Shape Memory Alloys)	Formgedächtnistechnik	5	WS	WF	PEU+PP	Ziegler
3085	(Photovoltaics)	Photovoltaik	5	WS	WF	PEU+PP	Ziegler

* This course is taught in German, but the written exam can be taken in English. Please contact the lecturer at the beginning of the semester, if you wish to do so.

** The first part of the lecture "Energiewirtschaft" is held in German, the second "Kraftwerkstechnik" in English. The numbers in brackets show the partial number of hours and credits for the second part (Power Plant Technology). Please contact the lecturer at the beginning of the semester, if you want to take the lecture and exam in English.

For questions, you may contact the International Office (Mr. J. Bukowski, joerg.bukowski@fh-duesseldorf.de), or the Departmental Coordinator (Prof. Dr. A. C. Benim, alicemal.benim@fh-duesseldorf.de)