

List of the Courses taught in English at the Faculty of Mechanical and Process Engineering of Hochschule Düsseldorf - University of Applied Sciences

Remarks:

- 1) Although the compulsory courses are usually offered only in one of the two semesters of the year the exams for the compulsory courses can be taken at the end of both semesters. Thus, it is possible to take the exams of those courses, even they are 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 in square brackets provided in the list below is just a translation, but not the "official" title.
In order to find the corresponding course description in the module guide, please use the German title and/or the code.
- 3) The definitive list of elective classes will be offered only a couple of weeks prior to the start of classes in each term. Please make sure to check the website.
- 4) Note that the "Master Courses" are only available to graduate students, who already hold a Bachelor's degree and are enrolled in a Master's programme or higher at their home university.

Bachelor Courses							
Code	Titel of the Course	CP	Semester	Course Type	Study Programme	Language	Lecturer
21011	Erneuerbare Energien und energieeffiziente Technologie [Renewable Energies and Energy Efficiency]	5	Summer term	Compulsory, Elective	EUT,MPE,MPT,UVT,WIM	English	Adam / Wohlfahrtsstätter
21021	Technical Combustion (will not be offered after SS 2025)	5	Summer term	Compulsory	EUT	English	Benim
61041	Business English Essentials	5	Summer term	Elective	EUT,MPE,MPT,UVT,WIM	English	Zupfer
61081	Intercultural Competence Essentials	5	Summer term	Elective	EUT,MPE,MPT,UVT,WIM	English	Zupfer
	Social Impact Entrepreneurship Block Event (mid April till mid June 2025)	5	Summer term	Elective	EUT,MPE,MPT,UVT,WIM	English	Kretschmar (Niemann)
30411	Projekt Unternehmensgründung [Project Entrepreneurship]	6	Summer term	Compulsory	WIM	German/English	Niemann
60391	Verfahrenstechnik der Zementherstellung 2 [Process Engineering of Cement Production] ! Basic knowledge required!	5	Winter term	Elective	EUT,MPE,MPT,UVT	English	Fleiger
60751	Applied Artificial Intelligence in Instrumentation and Control	5	Winter term	Elective	EUT,MPE,MPT,UVT,WIM	English	Grote-Ramm
60681	Energetische Projektstudien [Selected Topics in Energy Economics]	5	Winter term	Elective	EUT, UVT, WIM	English	Schaube
	Atmospheric Chemistry and Physics	5	Winter term	Elective	EUT,MPE,MPT,UVT,WIM	English	Nehr
60131	Advanced Reading and Conversation Class	5	Winter term	Elective	EUT,MPE,MPT,UVT,WIM	English	Zupfer
60031	Energetische Projektstudien [Selected Case Studies of Energy Technology]	5	Winter term / Summer term	Compulsory	EUT, UVT, WIM	English	Adam / Wohlfahrtsstätter
60451	English for Engineers	5	Winter term / Summer term	Elective	EUT,MPE,MPT,UVT,WIM	English	Zupfer

Master Courses (available to Master Students, only)

Code	Titel of the Course	CP	Semester	Course Type	Study Programme	Language	Lecturer
11301	Computational Fluid Dynamics (CFD) (if chosen, the Practical Training must be chosen) (not offered after SS 2025)	6	Summer term	Compulsory	UWI, ME	English	Benim
11302	Computational Fluid Dynamics (CFD) Practical Training (will not be offered after SS 2025)						Benim
40341	Hydrogen Economy (Block Course early March)	6	Summer term	Elective	UWI, IWI, ME	English	Schaube
21001	Heat and Mass Transfer in Two Phase Flows (will not be offered after SS 2025)	6	Summer term	Compulsory	UWI	English	Benim
40291	Advanced English for Engineers	6	Summer term	Elective	UWI, IWI, ME	English	Zupfer
40281	Digital Business Transformation in Industry 4.0	6	Summer term	Elective	UWI, IWI, ME	English	Pudelski (Niemann)
60881	Advanced Machine Learning	6	Summer term	Elective	UWI, IWI, ME	English	Stuhsatz
40201	Industrial Service Marketing & Business Development(will not be offered after SS2025)	6	Summer term	Elective	UWI, IWI, ME	English	Taurel (Niemann)
17201	International Technical Sales Management	6	Summer term	Compulsory	IWI	English	Niemann
40221	Heterogeneous Catalysis	6	Winter term	Elective	UWI, IWI	German (X)	Kaluza
17301	Life Cycle and Service Management	6	Winter term	Compulsory	IWI	English	Niemann
40341	Fatigue Strength of Components	6	Winter term	Elective		German (X)	Bongartz
40311	Behavioral Economics	6	Winter term	Elective	IWI	English	Deckert
40151	Automation with Microcontrollers	6	Winter term	Elective	UWI, IWI, ME	German(X)	Grote-Ramm
40381	Plain Bearing Technology- Design, Dimensioning and Testing	6	Winter term	Elective	ME	English	Heckmann / Gabener
27001	Produkt- und Änderungsmanagement [Product and Change Management]	6	Winter term	Compulsory	IWI	German (X)	Riedel
40321	Industrial Robots in Industry 4.0 Environment	6	Winter term	Elective	UWI, IWI, ME	English	Pisla (Niemann)
40081	Intercultural Competence	6	Winter term	Elective	UWI, IWI, ME	English	Zupfer
40131	Advanced Business English	6	Winter term	Elective	UWI, IWI, ME	English	Zupfer
12001	Simulation of Mechanical System(if this course is chosen, the corresponding Practical Training must be chosen as well)	6	Winter term	Compulsory	ME	English	Batos
12002	Simulation of Mechanical System Practical Training						Batos
30031	Engineering Conferences	6	Winter term / Summer term	Compulsory	UWI, IWI, ME	English	Neef/ Spiegel
30011	Project R&D	6	Winter term / Summer term	Compulsory	UWI, IWI, ME	English	Various

Explanation of Symbols:

- (X): Although the course is taught in German, the exam can be taken in English. For this, please contact the lecturer at the beginning of the semester.