



h_da

HOCHSCHULE DARMSTADT
UNIVERSITY OF APPLIED SCIENCES

INTERNATIONAL OFFICE



Classes taught in English at h_da

Academic Year 2017/2018



Classes in **green** are usually offered in German, but can be offered in English. However, this must be requested and arranged ahead of time.

Graduate Classes: students must meet the pre-requisites.

While Hochschule Darmstadt makes every effort to ensure that all information listed in this document is accurate and up-to-date, the information provided should only be used as a general guide and you should contact the Incoming Students Coordinator (incoming.int@h-da.de) for specific information.

Winter Semester 2017/18

Fields, Level, Course Title	ECTS
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All Departments

Bachelor/Master

Project in Applied Research - Supervision on request	
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Architecture

Bachelor

English for Architects I - B2	2,5
English for Architects II - B2	2,5

Business

Bachelor

Business English for International Business Minor - B1	5,0
Business English for International Business Minor - B2	5,0
Business English I	5,0
Business English II	5,0
English B1 - Diversity and Intercultural Communication - Public Management	5,0
European Economics and Politics	5,0
Financial Management	5,0
International Business Research Methods	5,0
Management and Organisation	5,0
Russian-German Gas Relations	5,0
Winter University Programme - International Marketing and Sales	4,0

Chemical Engineering and Biotechnology

Bachelor

English for Chemical and Bio Engineers	5,0
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Civil Engineering

Bachelor

Building Industry	5,0
English for Civil Engineers - B1	2,5

Computer Sciences

Bachelor

Advanced Programming Techniques	7,5
Compiler Construction	5,0
Information Technology and Society	2,5
Intercultural Communication	2,5
IT-Law / Data Protection Law	2,5
Net Framework and C#	5,0
Project System Development	7,5
Unix for Software Developers	5,0
Project System Development	7,5
Unix for Software Developers	5,0

Master

Advanced Project Management	6,0
Natural Language Processing	6,0
Parallel and Distributed Computing	6,0
Project System Development II	7,5
Real-Time Systems	6,0
Security Protocols and Infrastructures	6,0
Software Product Line Engineering	5,0

Design

Diplom

Communication Design - Visualisation methods and techniques	8,0
Communication Design - Conceptual Design (main semester project)	15,0
Communication Design - Experimental design	6,0
Industrial Design - Visualisation methods and techniques	4,0
Industrial Design - Conceptual Design (main semester project)	12,0
Industrial Design - Experimental Design	8,0
Presentation skills	8,0
Production and realisation	4,0
Technical Design	4,0
Technology - Photography	2,0

Electrical Engineering and Information Technology

Bachelor

English for Electrical Engineers - B2.2	2,5
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Master

Advanced Automation	7,5
Advanced Embedded Systems	7,5
Advanced High Voltage Technology and Theory of Electrical Field	7,5
Advanced Information Technology	7,5
Advanced Modulation and Coding	7,5
Autonomous Systems	7,5
Information Networks	7,5
Microelectronic Systems	7,5
Mobile and Satellite Communications	7,5
Power Systems and Control Technology	7,5
Renewable Energy Systems	7,5
Signal Processing Hardware	7,5
System Design	7,5

Language Center

Bachelor/Master

English A1/A2	
English B1 - Brush up your Grammar Skills I	2,5
English B1 - Communicating in English I	2,5
English B1 - Communicating in English II	2,5
English B1 - Communication Skills & more I	2,5
English B1 - Communication skills & more II	2,5
English B1 - Communication skills & more III	2,5
English B2 - Brush up your Grammar Skills III	2,5
English B2 - Communicating in English IV	2,5
English B2 - Communication skills & more III	2,5
English B2 - Communication skills & more IV	2,5
English B2 - Delivering Winning Applications	2,5
English B2 - Discover Life Around the World IV	2,5
English B2 - English for your job II	2,5
English B2 - Intercultural Communication	2,5
English C1 - Delivering Winning Applications	2,5
English C1 - Discover Life Around the World V	2,5
English C1 - Intercultural Communication	2,5
English C1 - News and Views from Around the World	2,5
English Refresher Course A1/A2	

Mechanical and Plastics Engineering

Bachelor

English for Mechanical Engineering-B1.2	2,5
English for Mechanical Engineers - B1.2	2,5
English for Mechatronics Engineers - B1/B2	2,5

Media

Bachelor

Animation and Game Design 1	5,0
Animation and Game Methodology 1 (A&G Studies 1 /Legal and ethical Issues in Animations & Games 1 / Diversity and Interculturalism /Producing and Production Management)	10,0
Animation and Game Methodology 3 (Legal and Ethical Issues 3 - Media and Entertainment Law)	5,0
Character Animation	5,0
Drawing & Visualization	5,0
Emerging Technologies - Virtual Reality	5,0
Game Development	5,0
Games from Scratch with C++	5,0
Iterating on Basic Game Mechanics	5,0
Media Law advanced	5,0
Modular Environment Art Creation	5,0
Narrative Design	5,0
Particles	5,0
Photoreal Compositing	5,0
Project Factory 3	15,0
Project Factory 3 + 5 + P7	15,0

Master

Advanced Event and Display Technologies - Fulldome	5,0
Bringing Media Theory and Discourse to Practice	5,0
Creative Strategies - Design Basics	15,0
Creative Strategies - Visual Design Conception	15,0
Emerging Technologies - 3D-Audio Dramaturgies	5,0
Emerging Technologies - Virtual Reality	15,0
Innovation	15,0
Interculturality and Inclusion in Media Cultural Work	5,0
Leadership by Arts	15,0
Marketing, Publishing and Public Relations	5,0
Media Aesthetic Education	5,0

Fields, Level, Course Title**ECTS**

Media Concept and Realisation	15,0
Media Law	5,0
Self Management and Agile Project methods	15,0
Technology and Society	15,0
Technology as driver for Media Products	15,0
Transdisciplinary Media Cultural Project 1 + 2	15,0

Social Sciences**Bachelor**

Communication in a globalized world	2,5
International Law II	2,5
Legal English III	2,5
Winter University Program - Social Sciences	4,0
Business Psychology Project (year long course)	10,0
Environmental Psychology (year long course)	10,0
General Psychology - Thinking and Decision Making	5,0
Market, Consumer, and Media Psychology (year long course)	10,0
Work, Organizational and Personnel Psychology (year long course)	10,0

Master

American Copyright and Patent Law	2,5
American Trademark and Unfair Competition Law	2,5

Social Sciences General Studies (open to all students)**Bachelor/Master**

An American Dream And Awakening	2,5
European Economic Issues	2,5
Picturing Crime - Crime Fiction and the Graphic Novel in English	2,5
Public Speaking and Presentation	2,5

Social Work

Bachelor

Applied Psychoanalytical Thinking in a non-clinical setting	2,5
Cinema-therapy, cinema-education and counseling through film-making	2,5
Dance and Theatre in Therapy and Education	2,5
Global Migration - Theory 1	2,5
International Social Work	2,5
Introduction to African geopolitics	2,5
Land grabbing and eviction - Communities between developers/ investors and state institutions	2,5
Migration and Disability	2,5
Neurobiology and early bonding theories	2,5
Research Project 2 - Viernheim community research	5,0
The effect of study abroad on your professionalism	2,5
Trauma Psychology and Emotional First Aid	2,5
UNICEF and Early Childhood Development	2,5

Summer Semester 2018

Fields, Level, Course Title	ECTS
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All Departments

Bachelor/Master

Project in Applied Research - Supervision on request	
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Architecture

Bachelor

Architectural design project - alternating subjects according to semester	10,0
English for Architects I - B2	2,5
English for Architects II - B2	2,5
International Building Design (IBD) – elective subject	2,5

Business

Bachelor

Business English I	5,0
European Economics and Politics	5,0
International Business Research Methods	5,0
Management and Organization	5,0
Russian-German Gas Relations	5,0

Chemical Engineering and Biotechnology

Bachelor

English for Chemical and Bio Engineers - B2	5,0
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Civil Engineering

Bachelor

English for Civil Engineers - B1	2,5
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Computer Sciences

Bachelor

Academic Writing	2,5
Case Studies in Information Security	5,0
Compiler Construction	5,0
Information Technology and Society	2,5
Internetworking	5,0
Introduction to Artificial Intelligence & PROLOG programming	5,0
Introduction to Machine Learning	5,0
IT Law - Data Protection Law	2,5

Master

Advanced Internetworking	6,0
Applied Artificial Intelligence	9,0
Biometric Systems	6,0
Bussiness Process Engineering	6,0

Design

Diplom

Communication Design - Visualisation methods and techniques	8,0
Communication Design - Conceptual Design (main semester project)	15,0
Communication Design - Experimental Design	6,0
Industrial Design - Visualisation methods and techniques	4,0
Industrial Design - Conceptual Design (main semester project)	12,0
Industrial Design - Experimental Design	8,0
Presentation skills	8,0
Production and realisation	4,0
Technical Design	4,0
Technology - Photography	2,0

Fields, Level, Course Title	ECTS
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Electrical Engineering and Information Technology

Bachelor

English for Electrical Engineers - B2.2	2,5
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Master

Advanced Feedback Control	7,5
Advanced Robotics	7,5
CMOS analog circuits	7,5
Complex digital architectures (lectures and Lab)	7,5
Control of Electrical Drives & E-Mobility	7,5
Design and Test of Microelectronic Systems	7,5
Digital Signal Processing	7,5
Information and simulation systems in industrial development and automation	7,5
Microwave Components and Systems	7,5
Optical Communications	7,5
Power - Electronics & Switching Power Supply	7,5
Smart Grids	7,5
Technical Management - Team & Project Management	7,5

Language Center

Bachelor/Master

English A1/A2	0,0
English B1 - Brush up your Grammar Skills I	2,5
English B1 - Communicating in English I	2,5
English B1 - Communicating in English II	2,5
English B1 - Communication Skills & more I	2,5
English B1 - Communication skills & more II	2,5
English B1 - Communication skills & more III	2,5
English B2 - Brush up your Grammar Skills III	2,5
English B2 - Communicating in English IV	2,5
English B2 - Communication skills & more III	2,5
English B2 - Communication skills & more IV	2,5
English B2 - Delivering Winning Applications	2,5

Fields, Level, Course Title

ECTS

English B2 - Discover Life Around the World IV	2,5
English B2 - Intercultural Communication	2,5
English B2 - The U.S.A - Different Regions, Different Life Styles	2,5
English C1 - A Brief Trip Around Great Britain	2,5
English C1 - Delivering Winning Applications	2,5
English C1 - Discover Life Around the World V	2,5
English C1 - Intercultural Communication	2,5
English C1 - The U.S.A. - Different Regions, Different Life Styles	2,5
English Refresher Course A1/A2	0,0

Mechanical and Plastics Engineering

Bachelor

English for Plastics Engineers - B1/B2	2,5
English for Mechanical Engineers - B1.2	2,5
Failure Analysis	5,0
Failure Analysis Exercise	0,0

Master

Fracture Mechanics	5,0
Fracture Mechanics Exercise	0,0

Media

Bachelor

Advanced Shader	5,0
Animation and Game Design 2 A	5,0
Animation and Game Design for Producers	2,5
Animation and Game Methodology 2	2,5
Classical Drawing	5,0
Concept Art/Environmental Storytelling	5,0
Game Development 2	5,0
Game Development for Producers	2,5
Game Programming	5,0

Fields, Level, Course Title	ECTS
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Negotiation in English	5,0
Producing - Methodology P2	2,5
Project Factory 2+6	15,0
Project Factory 6	20,0
Psychology of Public Relations	5,0
Technical Art 2	5,0
The school library and lifelong learning	5,0

Master

Avant Garde in Digital Media	15,0
Bringing Media Theory and Discourse to Practice	5,0
Business StartUp	15,0
Creative Strategies - Design Basics	15,0
Creative Strategies - Digital Storytelling	15,0
Creative Strategies - Visual Design Conception	15,0
Emerging Technologies - 3D Audio - Sonic Dramaturgies, Soundscapes and Soundtracks	15,0
Emerging Technologies - Programming with Unity	15,0
Fulldome Visual Dramaturgies	5,0
Gender equality in Media cultural work	5,0
Innovation - Creative Methods	15,0
Intercultural Scientific Approaches and Diversity	5,0
Leading People and Teams	15,0
Media Aesthetic Education Practices - Acoustic Ecology and Soundscape Studies -	5,0
Media Concept and Realisation	15,0
Media Cultural Economy and Artistic Entrepreneurship	5,0
Media Cultural Project Management	5,0
Preparing and Implementing the World Soundscape Conference	5,0
Strategies in Leadership 10 sec for Opera Frankfurt	15,0
Technology and Society - ARG the Netlog	15,0
Technology as driver for Media Products - Raspberry	15,0
Transdisciplinary Media Cultural Project 1 + 2	15,0

Fields, Level, Course Title	ECTS
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Social Sciences

Bachelor

International Law I	2,5
Legal English II	2,5
Legal English III	2,5

Master

American Copyright and Patent Law	2,5
American Trademark and Unfair Competition Law	2,5

Social Sciences General Studies (open to all students)

Bachelor/Master

Picturing Crime - Crime Fiction and the Graphic Novel in English	2,5
Public Speaking and Presentation	2,5
The Structure of German Economy	2,5
American Short Stories	2,5
Climate Change, Carbon Footprints, and Individual Consumption	2,5
Cross Culture	2,5
European Economic Issues	2,5

Social Work

Bachelor

Another psychoanalysis? - Introduction to the theory of Ignacio Matte Blanco - psychoanalyst and mathematician	2,5
Biographical memory	2,5
Geopolitics	2,5
Global Migration - Theory 1	
Neurobiology and early bonding theories	2,5
Refugeesupport and Volunteering	2,5
Research Project 2 - Viernheim community research	5,0
Social work in the world - inclusion as a world topic	2,5
Social Work with Refugees	2,5
Trump, Tweets, Towering Walls and Migration - in the USA	2,5
Working with transgender clients	2,5