

**Winter Semester 2016/2017
Lectures in English Language**

PLEASE NOTE:

- The lectures are listed according to the faculty/study program that offers them. If you fulfill the prerequisites you can take any course from any faculty/study program, so please consider the whole list carefully.
- If you take courses from different programs and semesters, there might be conflicts in the time table. The time table, however, will be announced only shortly before the lecture period starts.
- The list is provisional and subject to change.
- The **red numbers** refer to our Campus Management System LSF and allow you to find detailed course descriptions, see <https://www.lsf.hs-weingarten.de>.
- "hrs/week" means hours per week per semester, 1 hour = 45 minutes.
- With exception of "Technology Management and Optimization", the lectures offered in the frame of Master programs are also open for advanced Bachelor students.

LANGUAGE LECTURES AND INTERCULTURAL SEMINARS

German as a foreign language = Deutsch als Fremdsprache (DaF)

4382 DaF A1, attention: The course starts with a two-week intensive course, Sept 19th to 30th, 2016
4 ECTS credits

6308 DaF A1 Tutorial
No credits

4634 DaF A2, attention: The course starts with a two-week intensive course, Sept 19th to 30th, 2016
4 ECTS credits

6309 DaF A2 Tutorial
No credits

4630 DaF B1, attention: The course starts with a two-week intensive course, Sept 19th to 30th, 2016
4 ECTS credits

6310 DaF B1 Tutorial

No credits

4631 DaF B2, attention: The course starts with a two-week intensive course, Sept 19th to 30th, 2016
4 ECTS credits

4632 DaF B2+
4 ECTS credits

tba DaF C1
4 ECTS credits

5144 DaF – Presentation and Documentation
2 ECTS credits

Intercultural Sensitization / Intercultural Competence

4656 Intercultural Sensitization
1 ECTS credit

5914 Working in Germany
1 ECTS credit

6711 Working across cultures
2 ECTS credits

898 English Negotiating
3 ECTS credits

English

6077 Refresh your English – Focus on Speaking
No credits

4408 English Fluency Upper-Intermediate B2
2 ECTS credits

3995 General English Fluency Advanced C1
2 ECTS credits

55 Project Management
2 ECTS credits

5889 English for Social Work
1 ECTS credit

6392 The key to a successful job application
No credits

6713 Business English Fluency Advanced C1
2 ECTS credits

6712 Business Writing Skills

No credits

4606 Intensive Grammar Review

No credits

6141 Professional English Tutorial

No credits

xxx Business / Technical English 2 *(a variety of courses with different LSF numbers)*

2 ECTS credits

6143 Business / Technical English 2 Tutorial

No credits

xxx Business / Technical English 3 *a variety of courses with different LSF numbers)*

2 resp. 4 ECTS credits

6145 Business / Technical English 3 Tutorial

No credits

Other language courses at various levels

Arabic, Chinese, French, Italian, Portuguese, Russian, Spanish, Turkish

2 or 3 ECTS credits

ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY (BACHELOR PROGRAM)

4912 Electrodynamics

4 hrs/week 5 ECTS credits

2117 Measurement technology 1

2 hrs/week 2 ECTS credits

4057 Analysis 2 with exercises

4 hrs/week 5 ECTS credits

1850 Digital Electronics

4 hrs/week 5 ECTS credits

3947 Computer Technology

4 hrs/week 5 ECTS credits

1910 Circuit Design

4 hrs/week 4 ECTS credits

1911 Circuit Design Lab

2 hrs/week 2 ECTS credits

2168 Information Technology / Communication Technology

4 hrs/week 5 ECTS credits

4651 Power Electronics

4 hrs/week 5 ECTS credits

5298 Introduction to Power Train Engineering/Introduction to Electrical Drive Engineering

4 hrs/week 5 ECTS credits

1494 Real Time Programming

2 hrs/week 3 ECTS credits

1904 Real Time Programming Lab

2 hrs/week 2 ECTS credits

1501 Internet

4 hrs/week 5 ECTS credits

6048 Object-oriented Programming

4 hrs/week 5 ECTS credits

ELECTRICAL ENGINEERING (MASTER PROGRAM)

1876 Advanced Mathematics for Engineers 1

4 hrs/week 5 ECTS credits

4866 Telecommunication Technology

5 hrs/week 6 ECTS credits

4867 Telecommunication Technology Laboratory

2 hrs/week 3 ECTS credits

4869 Circuits and Systems

4hrs/week 5 ECTS credits

3244 Mixed Signal Software/Hardware Co-Design

4 hrs/week 5 ECTS credits

4871 Advanced Power Electronics

4 hrs/week 5 ECTS credits

MECHATRONICS (MASTER PROGRAM)

1876 Advanced Mathematics for Engineers (Ertel)

6 hrs /week 8 ECTS credits

2354 Engineering Mechanics (Stetter)

6 hrs/week 6 ECTS credits

2236 Engineering Design and Materials (Niedermeier)

6 hrs/week 6 ECTS credits

4441 Power Electronics (Farkas)

4hrs/week 5 ECTS Credits

1895 Simulation of Mechatronic Systems (Wöllhaf)

4 hrs/week 5 ECTS credits

55 Project Management for Bachelor Students (Gerland)

2 hrs/week 2 ECTS credits

COMPUTER SCIENCE (MASTER PROGRAM)

Taught in English if > 3 international participants:

3008 Artificial Intelligence (Ertel)

4 hrs/week 5 ECTS credits

Taught in English if > 3 international participants:

3058 Artificial Intelligence Lab (Ertel)

4 hrs/week 3 ECTS credits

1876 Mathematics for Engineers (Ertel)

4 hrs/week 5 ECTS credits

4995 Mathematics for Engineers - Exercises (Ertel)

2 hrs/week 3 ECTS credits

3219 Modern Database Techniques (Hulin)

Prerequisite: JAVA, relational databases

2 hrs/week + e-learning 5 ECTS credits

PRODUCT DEVELOPMENT IN MECHANICAL ENGINEERING (MASTER PROGRAM)

3937 Product Development (Kauf)

4 hrs/week 4 ECTS

INTERNATIONAL ACADEMY: INNOVATION MANAGEMENT AND NEW TECHNOLOGIES (1 YEAR PROGRAM ON BACHELOR LEVEL)

1479 Intercultural Management (Hohl)

2 hrs/week 3 ECTS credits

3809 International Management and International Companies (Philippi-Beck)

2 hrs/week 2 ECTS credits

4354 International Marketing (Vogt or Jäckle)

2 hrs/week 3 ECTS credits

4355 Simulating and Optimizing the value network (Hagen) conducted as a business game

2 hrs/week 3 ECTS credits

Block Seminar, please note the date: Jan 3-5, 2017

4462 Business Game (Philippi-Beck)

2 hrs/week 2 ECTS credits

Block Seminar, please note the date: Sept 27-29 and Dec 20-22, 2016

TECHNOLOGY MANAGEMENT AND OPTIMIZATION (MASTER PROGRAM) *The lectures offered in the frame of the TMO Master program are open for Master students only*

6345 Production System Optimization (Smets)

2 hrs/ week 2 ECTS credits

6346 Modern Production Engineering Part 1 Tools (Smets)

2 hrs/ week 2 ECTS credits

6343 Development Methodology (Smets)

4 hrs/ week 4 ECTS credits

6619 Management accounting and reporting (Neff)

4 hrs/week 4 ECTS credits

2236 Technical specification: Engineering Design and Materials (Niedermeier) – for students of ESC Troyes only
6 hrs/week 6 ECTS credits

6344 Technology and Innovation Management (Pufall) – in English only if there are students of ESC Troyes
2 hrs/ week 2 ECTS credits

6620 Management systems (Philippi-Beck) – in English only if there are students of ESC Troyes
2 hrs/week 2 ECTS credits

HEALTH ECONOMICS (BACHELOR PROGRAM)

6598 International Comparison of health care systems
2 hrs/week 2 ECTS

C. Lauer/16.03.2016