



# International Semester @ Furtwangen Campus

## Module Overview

Winter Semester 2019/20

Status: October 2019

Director International Semester: Prof. Dr. Achim P. Karduck  
karduck@hs-furtwangen.de

Director International Center: Ms Brigitte Minderlein  
min@hs-furtwangen.de

Incoming Student Support: Ms Julia Hennig  
heju@hs-furtwangen.de



## Important Advice for Module Selection

During your International Semester, you have a lot more options than choosing study modules in your academic discipline. These are:

A) **German Class** (Introduction Level or Higher): 6 ECTS

This is compulsory.

B) **Orientation Programme**: 3 ECTS

This is compulsory.

C) **This is Germany Class**: 3 ECTS

This is chosen by all students, and seen as compulsory.

D) **Group Project**: 6 ECTS

This is an option, with projects selected in week 1 or 2

Thus, you usually choose 18 to max. 24 ECTS in study modules.

Please see the structure of the International Semester under

[https://www.hs-furtwangen.de/fileadmin/user\\_upload/ze\\_ic/HFU\\_International\\_Semester\\_Furtwangen\\_Campus\\_Flyer\\_web.pdf](https://www.hs-furtwangen.de/fileadmin/user_upload/ze_ic/HFU_International_Semester_Furtwangen_Campus_Flyer_web.pdf)

Please note as well, that depending on your experience level of studies and your interest profile, additional modules to the ones listed below can be added for the streams Smart Systems / EE, Business Information Systems, Business Engineering, etc.

You will receive more information about this option during a personal advisory meeting during week 1 of the semester in Furtwangen.

International Students, who speak German, have maximum flexibility in course selection across the Faculties, in addition to the offers in English.

You will receive more information about this option as well during a personal advisory meeting during week 1 of the semester in Furtwangen.

## Modules

For all modules, where no time/room information is provided below, please refer to the "Stundenplan" and then "International Semester FU":

<https://stundenplan.hs-furtwangen.de/splan/mobile?lan=de&acc=true&act=tt&sel=pg&pu=18&og=1510&pg=Int.Bachelor%20FU&sd=true&dfc=2019-09-30&loc=6&sa=false&cb=0>

1. **Introduction to Deep Learning** (3 ECTS)  
Prof. Dr. Ruxandra Lasowski  
Friday, 9:30-11:00, 11:15-12:45, L2.08
2. **Game Design Workshop** (3 ECTS)  
Prof. Jiri Dell'Oro-Friedl  
prerequisite: programming skills
3. **PRIMA: Prototyping interactive Media Applications and Games** (3 ECTS)  
Prof. Jiri Dell'Oro-Friedl  
prerequisite: programming skills
4. **An Introduction to Process Mining** (3 ECTS)  
Prof. Dr. Marius Dramski, University of Danzig  
Block Seminar: October 22-25
5. **Blockchain Technology and Applications** (3 ECTS),  
Wolfgang Gräther  
Block Seminar: first block on October 30 and 31
6. **Digitalization and New Business Models** (3 ECTS)  
R. Ernst, J. Hecht  
Block seminar:  
Fridays/Saturdays: 08.11.19; 09.11.19; 29.11.19; 13.12.19; 17.01.19. always 09:30 to 17:15
7. **Legal Economic Analysis** (6 ECTS)  
Prof. Dr. Leonard Noriega  
Tuesday, 09:30-12:45, I2.21
8. **Signal Processing and Statistics for Data Science** (6 ECTS)  
**Prof. Dr. Leonard Noriega**  
Wednesday, 14:00-17:15, I2.21
9. **Smart Services Innovation** (3 ECTS)  
**Dr. Abdel Razek**  
Wednesday, 14:00-15:30, H1.02 (from oct. 9)
10. **Robotics** (3 ECTS)  
**Prof. Dr. Christoph Uhrhan**  
Thursday, 08:00-09:30

11. **Industrial Image Processing** (3 ETCS)  
Prof. Dr. Christoph Uhrhan  
Monday, 09:45-11:15
12. **B2B and Services Marketing** (3 ECTS)  
t.b.d.
13. **Interactive Media Installations** (3 ECTS)  
Prof. Dr. Norbert Schnell
14. **Intercultural Competence in Media** (3 ECTS)  
Dr. S. Huber  
Block seminar:
15. **Media and Society** (6 ECTS)  
Prof. Dr. Miguel Garcia
16. **Music for Digital Media** (3 ECTS)  
Prof. Dr. Norbert Schnell
17. **This is Germany** (3 ECTS)  
Brigitte Minderlein  
Wednesday 15:45-17:15, A2.07
18. Semester Project (6 ECTS), AIN 20016 (Projektarbeit 1)  
(Projektarbeit 1 Seminar)  
Prof. Dr. Achim Karduck  
**Please note:** separate information by Prof. Dr. Karduck about recommended projects in week of March 18.
19. **German Language Courses** (usually 6 ECTS)  
Language Center  
<https://www.hs-furtwangen.de/en/central-services/language-center/>  
please note: course participation after counselling and test by language center

### Module descriptions with relation to Digital Media:

<https://www.hs-furtwangen.de/fakultaeten/digitale-medien/internationales/>

### Important Registration Information Digital Media courses

The Bachelor courses in Digital Media have to be registered at an early stage online through the Digital Media Intranet:

<https://www.hs-furtwangen.de/en/faculties/digital-media/international/>

### Introduction to Deep learning, B2B and Services Marketing, Interactive Media Installations, Intercultural Competence in Media, Media and Society, Music for Digital Media

You have to get a separate account. Please contact for the account:

Beate Schwer, sea@hs-furtwangen.de, 11.23

**Infos:** <https://www.hs-furtwangen.de/fakultaeten/digitale-medien/internationales/>

All other listed courses for Digital Media are on the Master level, and are registered via Felix. Depending on the knowledge background, these can be chosen as well after advising with Professor Karduck and the Professor of the course.

### Please note, as stated on page 2:

Depending on background / entrance requirements after personal interview with Prof. Dr. Karduck, 1-2 of the following courses can be added to your course selection (depending on available places):

#### Smart Systems / EE stream

<https://www.hs-furtwangen.de/en/faculties/mechanical-and-medical-engineering/>

<https://www.hs-furtwangen.de/en/programmes/smart-systems-master/>

<https://www.hs-furtwangen.de/en/programmes/smart-systems-master/details-of-programme/>

#### Information Systems stream

<https://www.hs-furtwangen.de/en/faculties/business-information-systems/>

## General Information

### 1) HFU in English / International Center / Language Center

<http://en.hs-furtwangen.de/>  
<https://www.hs-furtwangen.de/en/programmes/>  
<https://www.hs-furtwangen.de/en/central-services/international-center/>  
<https://www.hs-furtwangen.de/en/central-services/language-center/>

### 2) Faculty Computing – IN

<https://www.hs-furtwangen.de/en/faculties/computer-science/>  
[www.informatik.hs-furtwangen.de](http://www.informatik.hs-furtwangen.de)

Look under "Studiengänge" and "Rund ums Studium & Vorlesungspläne" for all the courses and schedules if required, as well the programs in German.

Contact: Prof. Dr. Achim Karduck, Monday 13:00-14:00, C2.06, and on demand

### 3) Faculty Business Computing – WI

[www.wi.hs-furtwangen.de](http://www.wi.hs-furtwangen.de)

Look under study program for all the courses and schedules if required, as well the programs in German.

Contact: Dijana Greguric, Waltraud Bianci, I2.10 (Tuesday-Friday, 8:00-12:00, 14:00-16:00)

### 4) Faculty Digital Media – DM

<https://www.hs-furtwangen.de/en/faculties/digital-media/>

Look under "Aktuelles & Vorlesungspläne" for all the courses and schedules if required, as well the programs in German.

Contact: Mrs. Braun, Mr. Brachat, I1.10 (Monday-Friday, 08:00-12:00, 14:00-16:00)

### 5) Faculty Mechanical and Medical Engineering - MME

<https://www.hs-furtwangen.de/en/faculties/mechanical-and-medical-engineering/>  
<http://www.hs-furtwangen.de/studierende/fakultaeten/mechanical-and-medical-engineering.html>

Contact: Prof. Dr. Ekkehard Batzies, international coordinator, room G 2.12

### 6) Faculty Business Administration and Engineering - WING

<https://www.hs-furtwangen.de/en/faculties/business-administration-and-engineering/>

Contact: Ms Ute Beitlich, faculty secretary, room G 2.12

Mr Thomas Eick, faculty master program coordinator, room G2.03

### 7) Faculty Health, Safety, and Society - GSG

<https://www.hs-furtwangen.de/en/faculties/health-safety-society/>

Contact: Ms Marie Rosing, room A3.10