



International Semester @ Furtwangen Campus

Module-Overview of the International Semester

International Student Guide

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Prof. Dr. Achim P. Karduck
karduck@hs-furtwangen.de

Brigitte Minderlein, Julia Hennig, Ulrike Waldvogel
International Center
min@hs-furtwangen.de
heju@hs-furtwangen.de

Modules

Important Advice for Module Selection in the International Semester

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

- A) German Class (Introduction Level or Higher): 6 ECTS
This is chosen by almost all students, and compulsory.
- B) Orientation Programme and German Seminar, 3 ECTS
This is chosen by all students, and compulsory.
- C) This is Germany Class: 3 ECTS
This is chosen by all students, and seen as compulsory.
- D) Project: as group project: 6 ECTS
This is an option, with projects selected in week 1/2

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

Please read the structure again:

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. This takes place during a personal advisory meeting during week 1 of the semester in Furtwangen.

International Students, who speak as well German, have maximum flexibility in course selection across the Faculties, in addition to the offers in English. This takes place as well during the personal advisory meeting during week 1 of the semester in Furtwangen.

FELIX course repository, Online-Learning Tools, and Course Registration

During the Orientation Program, you will already be introduced by Brigitte Minderlein, Director International Center, and her colleagues to the following important topics:

1) Course registration and deadlines

You will be pointed out as well to the specific requirements from the Faculty of Digital Media and their online system, as well as course registration of the other faculties at the academic registrar.

2) Use of Felix Content Management System and Alfaview Video Conferencing System

International Semester on FELIX

<https://felix.hs-furtwangen.de/auth/RepositoryEntry/3970662428/CourseNode/101382293513753>

You find the International Semester on Felix as well in the course catalogue under WPV, or search on Felix for International Semester (please see usage in next chapter).

1) Professor Karduck will keep you updated during the first week of all courses for the International Semester.

2) Registration dates

a) As communicated by Professor Karduck, students of the International Semester are of course able to have a look at various courses to get an impression, and finally decide and **register until October 17.**

b) **Important:** For the courses of the Faculty of **Digital Media**, the course registration takes place **already the week before the semester starts.** This is from **September 26-30, 2022** for the autumn semester, as informed by the International Center during the Orientation Program.

You will be informed during the Orientation Program about above procedure.

3) Registration document

You will be informed during the Orientation program about the course registration procedure.

4) Approval of your final Learning Agreement and Academic Registrar

For all other courses, please use the **attached Registration Document**. Thus, the courses you like to register for have to be included into this PDF.

Important 2 step process:

Step 1: Approval of your Learning Agreement by Professor Karduck on October 17, 13:00-14:00 at the International Center

Step 2: Bring the signed Learning Agreement to the Academic Registrar, Mrs. Carola Frank on October 17-19. Please state to Mrs. Frank, that you are International Semester student.

Please note: The faculty of Digital Media has a separate, direct registration procedure, as mentioned above. This will be introduced to you during the Orientation Program.

Your final Learning Agreement will of course list as well the Digital Media courses.

FELIX Short Introduction Videos in English

FELIX will be the **key repository for all course** related documents and notifications. To access the course content and to be updated, you immatriculate the respective course on Felix.

FELIX is straightforward to use, to search for and book courses. Please note, that booking a course does not mean you are registered. This has to be done, as described above.

Please study the Videos 3 and 4. It only takes a couple of minutes:

<https://felix.hs-furtwangen.de/auth/RepositoryEntry/3658514432/CourseNode/95795505787096>

Important: For the **Digital Media related courses**, a separate registration and repository is used, as explained to you during the Orientation Program.

Alfaview Video-Conferencing Tool used at Furtwangen University

We hope that autumn semester 2022 can take place as well in presence. In cases that Video Conferencing is being used, Furtwangen University usually uses Alfaview.

You will be introduced to Alfaview during the Orientation Program. It is straightforward to be used:

<https://howto.hs-furtwangen.de/en/aview/>

In the lecture timetable, you find in addition to the rooms as well the Virtual Conferencing room, if needed. Here additional information from Alfaview:

<https://alfaview.com/?lang=en>

Modules, Time and Location

In the following, the modules offered by our Faculties at Campus Furtwangen for the International Semester are summarized.

Since the offers range over several faculties, please read carefully attached information and faculty specific procedures/requirements.

You will be provided during the Orientation Program as well with information about the faculty specific procedures summarized here.

For all modules, where no time/room information is provided below, please refer to the “Timetables” and then select the respective study program as indicated below:

<https://stundenplan.hs-furtwangen.de/splan/mobile?lan=en&acc=true&act=tt&sel=pg&pu=24&pg=&sd=false&loc=6&sa=false&cb=o>

1. Introduction to Deep Learning (3 ECTS)
Prof. Dr. Ruxandra Lasowski
Thursday 9:45-11:15, L2.08, and Friday 11:45-13:15 (L2.08)
2. Design Thinking and Sustainable Development (6 ECTS)
Workshop and Project
Prof. Wolfgang Gräther, Prof. Dr. Achim Karduck
Block workshop during week of October 12 (details will be announced), with subsequent project
3. Industrial Image Processing (3 ECTS, with additional seminar)
Prof. Dr. Christoph Uhrhan
Monday, 9:45-11:15, G1.11
4. Applied Computer Vision (3 ECTS, with additional seminar)
Prof. Dr. Christoph Uhrhan
Monday, 9:45-11:15, G1.11
5. Applied Robotics (3ECTS, with additional seminar)
Prof. Dr. Christoph Uhrhan
Thursday 08:00-09:30, H1.01 / G1.11

6. Applied Optics / Optical Simulation with Python (3 ECTS)
Prof. Dr. Ulrich Kallmann
Thursday, 14:00-15:30, G1.11
7. Energy Business (3 ECTS)
Prof. Dr. Eduard Heindl
Monday 15:45-17:15, I2.21
8. Innovations Changing The World (3 ECTS)
Prof. Dr. Eduard Heindl
Monday 17:30-19:00, I2.21
9. Language Center German courses (usually 6 ECTS)
<https://www.hs-furtwangen.de/en/central-services/language-center/>
please note: course participation after advise and test by language center
10. Orientation Program and This is Germany (3 ECTS)
By International Center

From the area of International Business Information Systems (IBIS):

During autumn semester 2022, IBIS courses of **semester 1, 2, 3, 5, and 6** takes place. Please have a look in the following table for the module descriptions.

5	Software Engineering	Cloud and Mobile Business Applications	Operations and Logistics	Data Science and Machine Learning	Elective 1	
4	INTERNSHIP MODULE					
3	Web-based Technologies	Applied Algorithms and Data Structures	Management Accounting and Controlling	ERP-Systems	Project Management	Introduction to Computer Security
2	Data Bases	Object-oriented Programming	Financial Accounting	Business Processes	Applied Statistics	Digital Marketing and eCommerce
1	Systems and Network Architectures	Programming Fundamentals	Business Management	Applied Mathematics	Professional Skills & Career Development	Scientific Working/ Academic Writing

Structure and module descriptions:

<https://www.hs-furtwangen.de/studiengaenge/international-business-information-systems-bachelor/details-of-programme/>

Important: IBIS courses require the feedback of Professor Karduck and personal contact with the Professor or the course. Thus, directly contact

the respective professor beforehand, and/or introduce yourself personally in the lecture room, before the lecture starts.

IBIS at a glance:

file:///C:/Users/achim/AppData/Local/Temp/HFU_Flyer_IBIS_8S_ENG_v39_20200108.pdf

Time table: Please **select “IBS”** (note: not IBIS) from Timetables HFU and then the respective semester:

<https://stundenplan.hs-furtwangen.de/splan/mobile?lan=en&acc=true&act=tt&sel=pg&pu=24&og=1587&pg=IBS1&sd=false&loc=6&sa=false&cb=o>

From the area of Digital Media:

Please refer to the courses and time table under the following link:

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

Time table:

<https://stundenplan.hs-furtwangen.de/splan/mobile?lan=de&acc=true&act=tt&sel=pg&pu=24&og=1510&pg=Int.Bachelor%20FU&sd=false&loc=6&sa=false&cb=o>

Important Registration Information for Digital Media courses

The Bachelor courses in Digital Media have to be registered already during the week before the semester starts, as already pointed out above.

In addition, there are important prerequisites for the courses, e.g. for Game Design and Game Development as stated.

Course registration is done online through the Digital Media Intranet:

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

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

Beate Schwer, sea@hs-furtwangen.de, I1.23

Infos:

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

**Additional Business Information Systems Modules, Master level
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):

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

Timetable :

Select BCM, and then BCM1

Additional Smart Systems / EE Modules, Master level

<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/>

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/>

Language Center:

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

2) Faculty Computing

<https://www.hs-furtwangen.de/en/faculties/computer-science/>

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.

Information, e.g. room/time changes etc:

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

3) Faculty Business Computing

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

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

Information, e.g. room/time changes etc:

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

4) Faculty Digital Media

<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.

Information, e.g. room/time changes etc:

For Intranet-Account: Beate Schwer, sea@hs-furtwangen.de, I1.23

For Felix registration advice: Nanette Rößler, I1.23

For general module advice: Peter Schmidlein, I1.22

5) Faculty Mechanical and Medical Engineering

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

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

Faculty Int. Director: Prof. Dr. Ekkehard Batzies, room G 2.12

6) Faculty WING (Business Administration and Engineering)

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

Information, e.g. room/time changes etc:

Ute Beitlich, faculty secretary, room G 2.12

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

7) Faculty Health, Safety, and Society

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

Information, e.g. room/time changes etc:

Marie Rosing, room A3.10