International Semester @ Furtwangen Campus

Module-Overview of the International Semester

International Student Guide

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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 week1/2

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 March 25.**

   b) **Important:** For the courses of the Faculty of **Digital Media,** the course registation takes place **already the week before the semester starts**. This is from March 7-11, 2022 for the summer semester.

    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.

In short:

The faculty of Digital Media has a separate, direct registration procedure. You will be provided with the information.

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 and sent to the registration office.

For International Semester students, please send the PDF to Mrs. Carola Frank via Email: fc@hs-furtwangen.de

Please state in your registration email to Mrs. Frank, that you are a student of the International Semester.

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 seperate registration and repository is used, as described above and in the previous emails.

Alfaview Video-Conferencing Tool used at Furtwangen University

We hope that summer semester 2022 can take place 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 Concerencing room, if needed.

Here additional information from Alfaview:

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

Modules, Time and lLocation

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=22&pg=&sd=false&loc=6&sa=false&cb=o

1. Cryptology (6 ETCS)
   Prof. Dr. Olaf Neiße
   Friday 8:00-9:30 & 9:45-11:15, A3.13

2. Industrial Internet of Things (6 ECTS)
   Matthias Lermer, Prof. Dr. Christoph Reich
   Tuesday 14:00-15:30 (C0.09) & 15:45-17:15 (C2-18)

3. Machine Learning using PyTorch (3 ECTS)
   Dr. Mariusz Dramski
   Block workshop during week of May 2nd (will be announced later)
   Machine learning using PyTorch - Definition of tensor, perceptron, neural networks in regression and classification, handwriting recognition. Everything is implemented in Python (PyTorch package). Precise description will follow.

4. Robotics (2-3ECTS; 3 ECTS with additional assignment)
   Prof. Dr. Christoph Uhrhan
   Thursday 08:00-09:30, H1.01 / G1.11

5. Microcontroller (2-3 ECTS)
   Prof. Dr. Christoph Uhrhan
   Block seminar, 3 Fridays, 6., 13., 20. May from 7:45 -17:45, H2.10 / H2.07 / H2.08

6. Industrial Image Processing (2-3 ECTS)
   Prof. Dr. Christoph Uhrhan
   Monday, 9:45-11:15, G1.11

7. Smart Service Innovation (2-3 ECTS)
   Dr. Abdel Razek
   Block seminar, Wednesdays from 14:15-17:45, H2.05 (several block, t.b.a.)

8. Semester Project and Innovation Workshop, Sustainable Development and Innovation Area (6 ECTS)
   Wolfgang Gräther, starting date t.b.a.

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 summer semester 2022, IBIS courses of semester 1, 2, 3, and 5 takes place. Please have a look in the following table for the 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

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

For the timetable, please **select "IBS"** (note: not IBIS) from Timetables HFU and then the respective semester.

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=22&og=1510&pg=Int.Bachelor%20FU&sd=false&loc=6&sa=false&cb=0

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 seperate 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

Addtional 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 Schmidtlein, 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