University of Applied Sciences and Arts

IDIAL Institute for Digital Transformation of Application and Living Domains

Fostering International Exchange at the Computer Science Faculty

Prof. Dr. Stephan Recker, MBA

Faculty of Computer Science

University of Applied Sciences and Arts

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Faculty of Computer Science

Fachhochschule Dortmund University of Applied Sciences and Arts

Some Stats

IDIAL Institute for Digital Transformation of Application and Living Domains

- Dortmund University of Applied Science and Arts approx.
 13500 students
- Faculty of computer science approx. 3300 students, among the biggest if not the biggest CS faculty at universities of applied science
- International master students approx. 250
- ERASMUS+ incomings/outgoungs 5-10
- Female incomings/outgoings: 0-1

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Where we started off in 2018

A German Teacher teaching German Students in English. Where is the sense in that?

What the economics department can do we should be also capable of

Our students are generally not interested in a Semester abroad

Preparing our students for their working life should include exposure to English language

My course material is not in English

Teaching Quality decreases if we teach in English

Foreign Exchange
Students? We have
enough students for
whom German is already
a foreign langauge

We are a German university; our students have a right to get all courses/modules in German

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The internal Process to improve the international Footprint

Internationalization as objective of the faculty's deanery and the university's rectorate

- Internationalization is key objective of university's development plan
- New Vice-dean role for international affairs
- Number of international students as faculty KPI

Identification of formal and legal boundary conditions

- Alignment with legal department
- Lobbying with student boards
- Adaptation of all study course descriptions
- Adaptation of syllabus



International Employees for Research Projects

- Several employees funded through DAAD projects (ViMacs, InduTwin 1+2)
- •22 international researchers funded through EU IPCEI Project



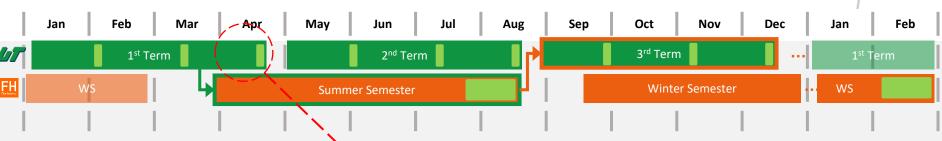
- Permanent Faculty Support Functions
- Vice-Dean as ERASMUS+ Manager
- Management of Portfolio of English Modules
- Incentives for English Courses

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Co-operation for student mobility





Fachhochschule Dortmund

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- Summer Semester: 29.03.2021 16.07.2021
 - Exam period: 19.07.2021 20.08.2021
- Winter Semester: 20.09.2021 04.02.2022
 - Exam period: 07.02.2022 28.02.2022
 - Christmas break: 27.12.2021 04.01.2022

Application Deadlines

Application for the winter term: 15th Mar. - 15th May Application for the summer term: 15th Sep. - 15th Nov.



- 16 weeks per term (15 for classes + 1 for matriculation)
 - Term 1: 05.01.2022 23.04.2022
 - 3 Examination Periods 2022: Weeks 5, 11 and 16 (no final examination period)
 - Students from UTTEC are exonerated from the third evaluation, so they can connect with FH-Do's Summer semester.
- Term 2: 2.05.2022 19-08-2022 (Off: 10-16 Jul. 2022)

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Strengthening ERASMUS+ Mobility





Plus

Loads of very manual effort in advising outgoings and incomings, arranging for module recognition, convincing colleagues to teach in English also only for one or two incomings, etc

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Example International Study Programs: Master Embedded Systems Engineering

we focus on tudents



Ca. 1.500 Applicants p.a. (95% non-EU)

Ca. 25-40 Immatriculations

Ca. 90% Stay in Germany after completion

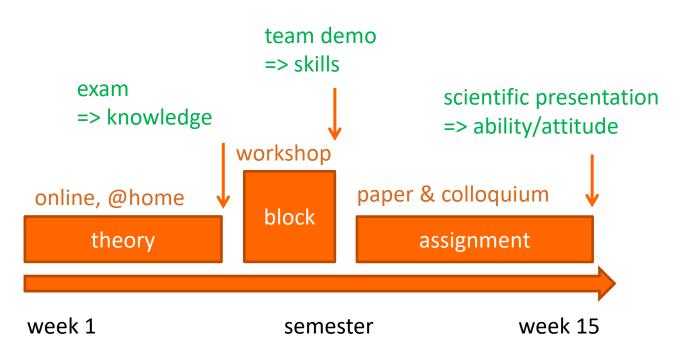
Semester	Module Name	Hours	ECTS
1	Embedded Software Engineering	4	6
	Mathematics for Controls & Signals	4	6
	Requirements Engineering	4	6
	Distributed and Parallel Systems	4	6
	Introduction to Embedded Systems Design	4	6
2	R&D Project Management	4	6
	Signals & Control Systems 1	4	6
	Mechatronic Systems Engineering	4	6
	Microlelectronics & HW/SW Codesign	4	6
	Elective 1	4	6
3	Elective 2	4	6
	Elective 3	4	6
	Research Project (thesis)		18
4	Master Thesis		30

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Intensive Block Weeks

we focus on students

semester elements & competence assessment

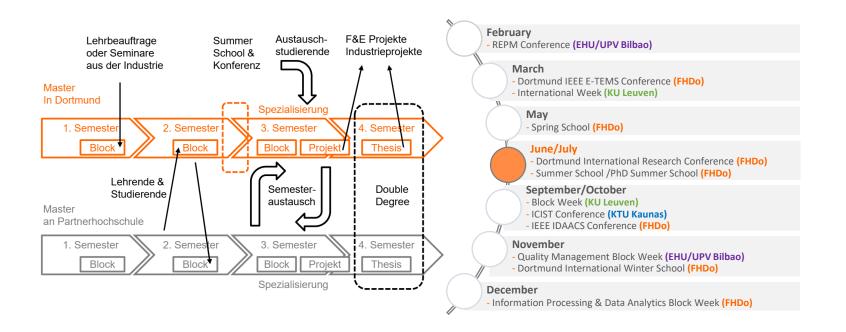


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Virtual Master School

we focus on students



www.fh-dortmund.de







