saarland-informatics-campus.de

Saarland Informatics Campus

Welcome for Master Students in Embedded Systems

Prof. Dr. Jan Reineke, October 23, 2023

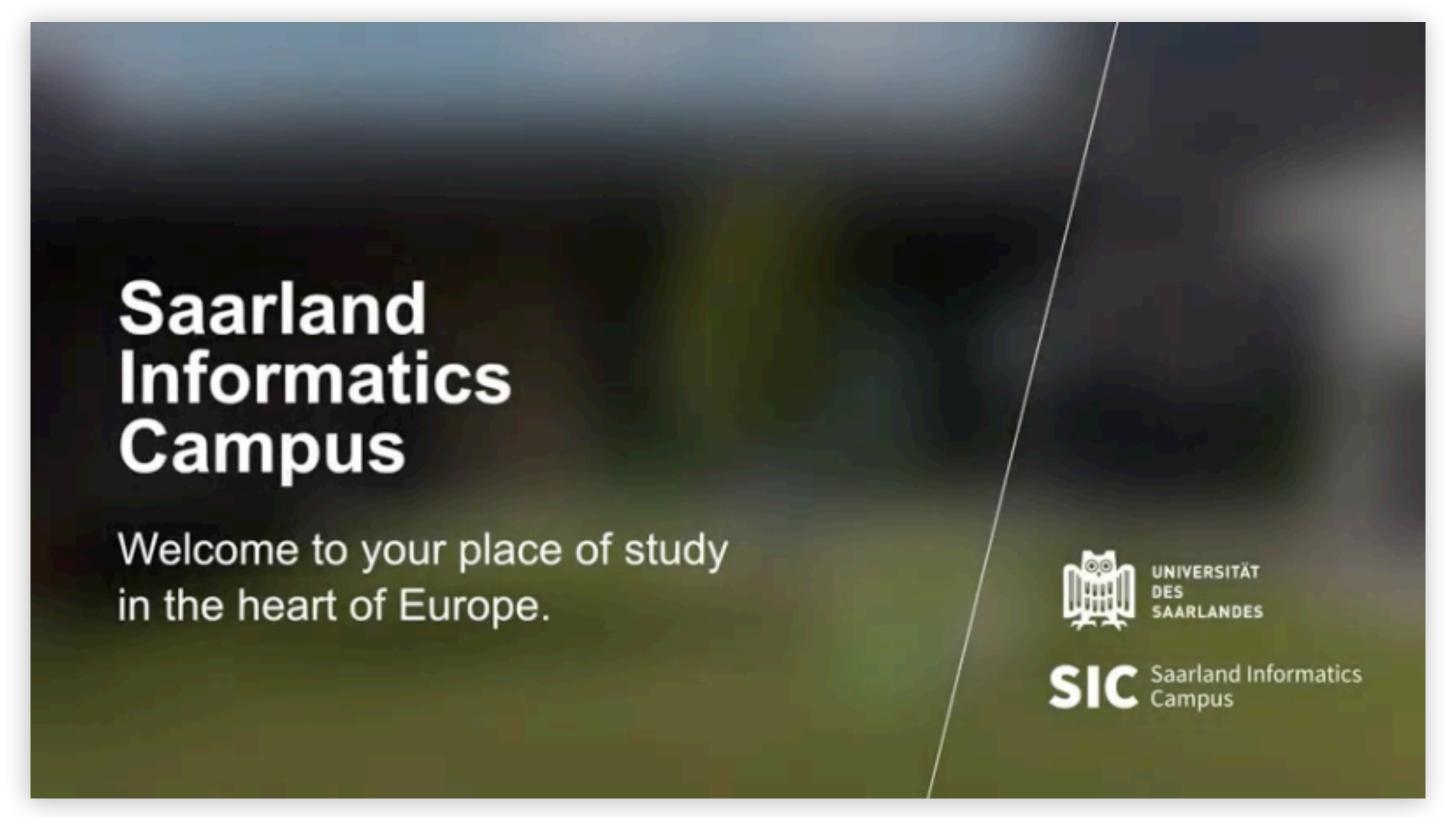






WELCOME

Welcome at SIC



Click:

https://bit.ly/WelcomeSIC21





















RESEARCH

About us

- 5 informatics institutes and
 3 collaborating departments on campus
- Around 2,100 students from more than 80 countries
- 74 research groups, 300 doctoral candidates
- ~ 800 scientists at SIC
- 24 informatics study programs, 16 research fields
- 5 Konrad Zuse Medals, 28 ERC Grants, 7 Leibniz Awards
- 4 Collaborative Research Centres



More about us:

https://saarland-informatics-campus.de/en/ueberuns-aboutus/



CAREER PROSPECTS

Outstanding career prospects

Plenty of different work experience opportunities:

• You can work as a research assistant in the computer science department or at one of the five associate institutes or as an intern at one of the many start-ups and IT companies in the region (Dillinger, Saarstahl, ZF, Hydac, SAP and so on)

With a degree from Saarbrucken, you will be an ideal candidate for jobs in leading companies in the high-tech industry:

• Cooperations between our campus and numerous international organizations (more than 100), such as Google, Microsoft, Facebook, Intel, Samsung, IBM, EADS, Microsoft, Bosch, Airbus, Siemens, etc.

If you wish to pursue a career in academia, you can stay on with us:

 The <u>Saarbrücken Graduate School of Computer Science</u> provides an optimal environment for pursuing doctoral studies in computer science at an internationally competitive level

Saarland University provides a broad range of support for budding entrepreneurs:

Since 2005 more than 100 spin-offs



Your Studies at Saarland University



Study Regulations for Master of Embedded Systems

Read your study documents carefully!

Examination regulations, subject-specific regulations and study regulations: Check the website for the joint examination offices of all faculties of Natural Sciences and Technology:

You have to know your rights and duties as student!

Study programme documents

- Examination regulations
- Examination regulations (english)
- Subject-specific + study regulations
- Subject-specific + study regulations (english)



Study Regulations 2016 for Master's programme Embedded Systems

- 1. 27 31 graded credits in the category of core lectures in embedded systems
- 2. 27 31 graded credits in the categories of core lectures, advanced lectures, or seminars in embedded systems (here: at most 1 seminar!)
- 3.7 graded credits in the category of seminars in embedded systems
- 4. At least 17 ungraded credits must be acquired by:
 - Further core, advanced courses, or seminars in embedded systems
 - Internship in a company (max. 6 CP); approved by the examination board
 - Leading a tutorial (tutor)
 - Language courses (max. 6 CP, living language)
 - Courses from other departments, which have been applied for and approved by the examination board (e.g. in mathematics or business informatics)
- 5. 12 graded credits for the Master's seminar and 30 CP for the Master's thesis

Sum = 120 credits in total.

Course catalogue (LSF)

How to choose a lecture – example: core lecture

Faculty Mathematics and Computer Science Courses on Embedded Systems Master

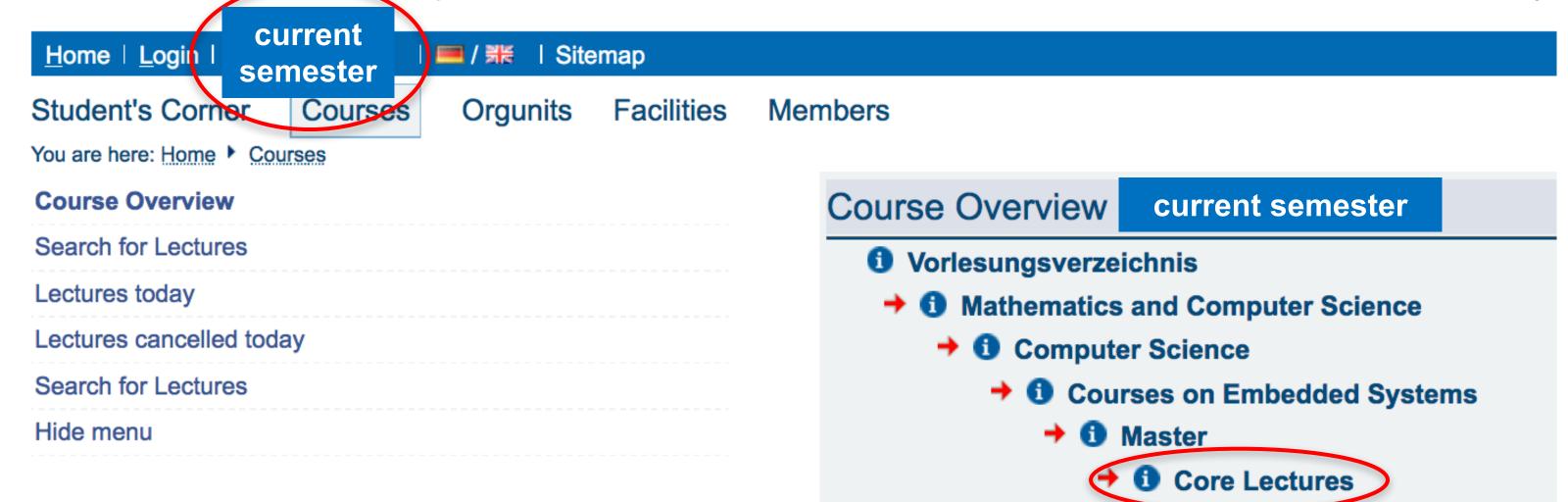
→ ① Advanced Lectures

→ **1** Freely chosen points

→ ① Seminars

https://www.lsf.uni-saarland.de/qisserver/rds?

state=wtree&search=1&trex=step&root120232=356732%7C363531%7C357901%7C363229&P.vx=kurz&noDBAction=y&init=y



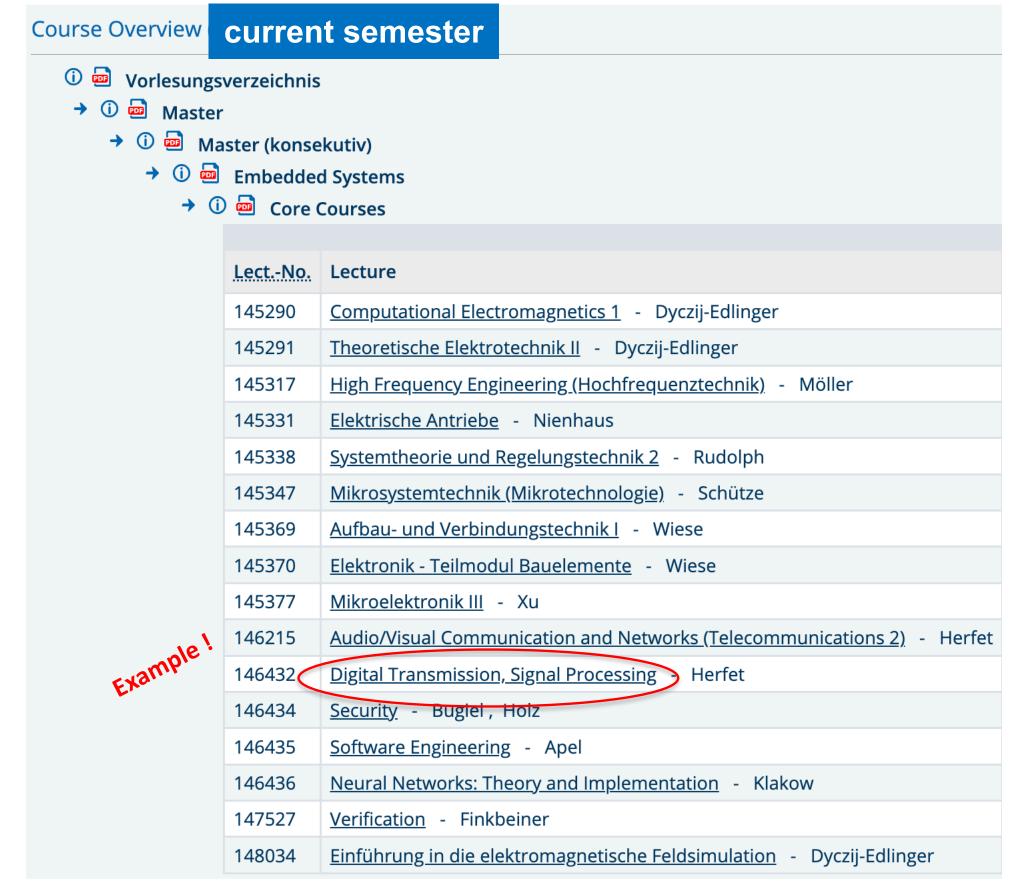
Bachelor ES:

Basic Lectures and Introductory Seminars can only be taken by bachelor students

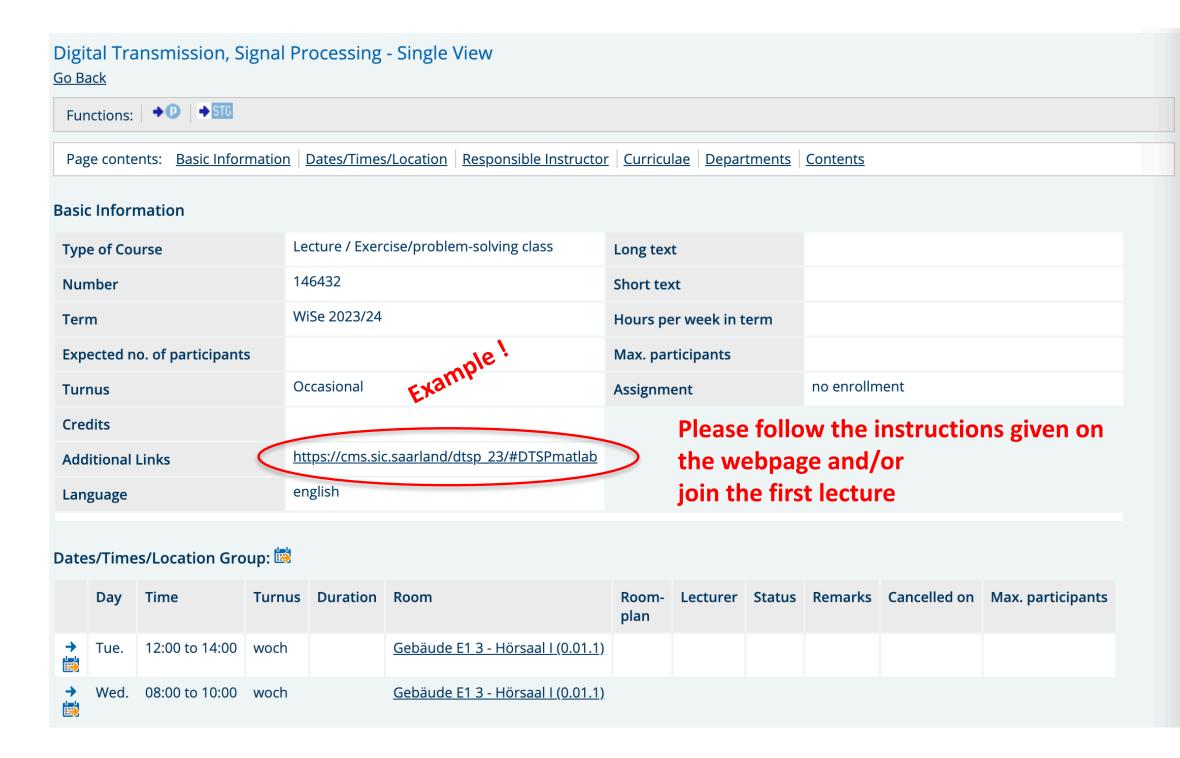


Course list (Core lectures)

How to choose a lecture – example: Verification







11



Example master's programme Embedded Systems

Sem.		Course		
1	Core course	Core course	Advanced course	Language course
2	Core course	Core or advanced course	Seminar	Advanced course
3	Masterseminar 12 CP	Seminar	Advanced course	Advanced course
4	Thesis 30 CP			



Control of progress

Full-time students are expected to deliver the following minimum requirements in the Master course of study:

- At least 9 credits after 1 semester
- At least 30 credits after 2 semesters
- At least 60 credits after 4 semesters
- At least 90 credits after 6 semesters

In case a student does not meet the minimum requirements for the second time, he/she shall lose the right to participate in examinations.

Students shall be given the opportunity to make a written statement before the examination board makes the final decision in the matter.

certificate!

Examination registration

Please notice: For all examinations you have to register in LSF one week before the exam at the latest (final exam <u>and/or</u> re-exam)! A delayed registration is not allowed!

A withdrawal is possible one week before the respective exam at the latest; later only with a medical

Only for core lectures: You can improve a grade in a core course if you pass the final exam and take part in the re-exam in the same exam period. The better grade counts.

For some <u>courses</u> e.g. seminars you <u>also</u> have to register before the course starts (limited number of participants): Please have a look at the respective website because of the conditions for registration. Seminar registration: https://seminars.cs.uni-saarland.de/

A withdrawal from a seminar registration is only possible three weeks after getting the topic for presentation.

Problems? Please contact the study coordination!



Contacts (1/2)

Computer Science Students' Representative Council

Students of different study programmes E1.3, Raum 107 https://cs.fs.uni-saarland.de/en/

Study Coordinators: Dr. Rahel Stoike-Sy and Barbara Schulz-Brünken

Assistance in your study organisation and progress:

- questions about the examination and study regulations
- academic or personal problems
- information about exchange semesters, etc.

Building E1.3, rooms 209 and 207

Emails to: studium@cs.uni-saarland.de





Contacts (2/2)

Examination office:

Administration and processing of your programme achievements:

- Transcript of record
- registration master thesis
- official certificates
- recognition of external academic achievements, etc.

Building E1.3, room 202

Office hours: information on website:

Emails to: contact person according to degree programme

https://www.ps-mint.uni-saarland.de/de/programmes/es

SIC System Administration: https://it.cs.uni-saarland.de/



Let's be friends, friends!



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