

saarland-informatics-campus.de

Saarland Informatics Campus

Welcome for Master Students
in Computer Science

Prof. Jan Reineke, Dean of Studies, 13.10.2021



UNIVERSITÄT
DES
SAARLANDES

SIC

Saarland Informatics
Campus



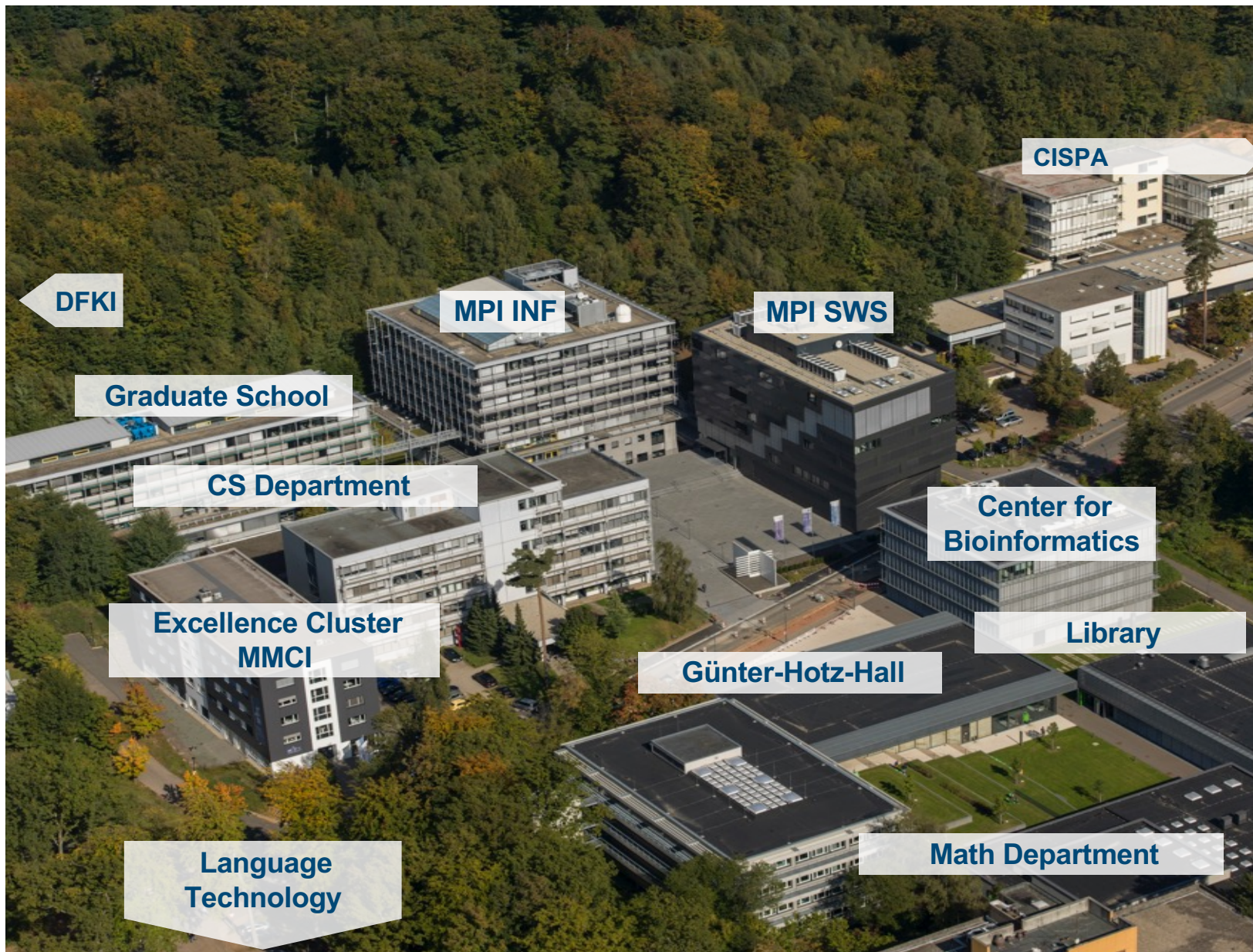
WELCOME

Welcome at SIC



Click:

<https://bit.ly/WelcomeSIC21>



UNIVERSITÄT
DES
SAARLANDES



CBI CENTER FOR
BIOINFORMATICS



CLUSTER OF EXCELLENCE



CISPA
HELMHOLTZ CENTER FOR
INFORMATION SECURITY



max planck institut
informatik



MAX PLANCK INSTITUTE
FOR SOFTWARE SYSTEMS

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, **24 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, Saarlühl, ZF, Hydac, SAP and so on)

With a degree from Saarbrücken, 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 [Saarbrücken Graduate School of Computer Science](http://www.graduateschool-computerscience.de) 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**

YOUR STUDIES

Students in Computer Science

- In total: 424 bachelor students and
422 master students in Computer Science
- Students from around 80 different countries in the CS department
- 54 professors and co-opted professors
- As well as 37 junior research groups



YOUR STUDIES

Winterterm 2021/2022

- On **October 18**, Saarland University is starting lectures for the winter semester 2021/22.
- Re-introducing face-to-face mode; **courses on master's level will (also) be available online**. Exams will take place on site.
- You are only allowed to attend offline events in person, if you can either prove you are fully vaccinated, have received a negative COVID-19 test result (twice per week) or have recovered from an infection with COVID-19 (**'3G' status**)
- When entering a teaching room, you have to register via the **Staysio App**: <https://staysio.de/#/>
- If it is not possible to maintain the minimum physical distance of 1.5 metres to each other, you are required to wear a **medical face mask**.
- Information about courses and tutorials is provided on the webpages of the lecturers and also the [LSF](#)

You can also **get vaccinated for free** via a mobile vaccination team who will be **on our Saarbrücken Campus** from **11 to 22 October** (Monday to Friday, 9am to 4pm)
<https://www.uni-saarland.de/en/division/ls/informationen-zum-semesterbetrieb/winter-semester-2021-22.html>

New at Saarland Informatics Campus?

Starting your studies can be quite exciting. Finding your way around after enrollment is not always easy. To make it easier for you, you will find all the important steps on your way to us here - from enrollment to the start of the semester. The study coordinator, the student council and students from higher semesters are always happy to help you get started and are always open to questions and personal concerns.

- | | | | | | |
|--------------------------------|---|-------------------------------------|---|------------------------------------|---|
| 1. User account information | ⊙ | 4. Enroll: Math Pre-Course and STEP | ⊙ | 7. Download the Uni-App | ⊙ |
| 2. Get to know fellow students | ⊙ | 5. Access to E-Mail, WLAN and VPN | ⊙ | 8. Information about your semester | ⊙ |
| 3. Follow us on Social Media | ⊙ | 6. Study organisation | ⊙ | | |



Further Information:

<https://www.uni-saarland.de/en/page/coronavirus/faq-students.html>

<https://saarland-informatics-campus.de/en/semesterinfo/>

YOUR STUDIES

Study Regulations 2015 for Master of Computer Science

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!



YOUR STUDIES

Study Regulations 2021 for Master's programme Computer Science

1. **27 graded** credits in the category of **core lectures** in computer science
2. **27–31 graded** credits in the categories of **core lectures, advanced lectures, or seminar** in computer science (here: at most 1 seminar!)
3. **7 graded** credits in the category of **seminars** in computer science
4. At least **17 ungraded credits** must be acquired by:
 - Further courses in computer science
 - Master practical training in research groups at CS department
 - 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, business informatics or computer linguistics)
5. **12 graded** credits for the **Master's seminar** and **30 CP** for the **Master's thesis**

YOUR STUDIES

Example Course List: All our core courses (offered at least every two years)

Algorithms and Data Structures	Data Networks	
Artificial Intelligence	Operating Systems	Semantics
Automated Reasoning	Distributed Systems	
Compiler Construction	Complexity Theory	Optimization
Computer Algebra	Computer Architecture	Machine Learning
Computer Graphics	Embedded Systems	Cryptography
Information Retrieval and Data Mining	Data Base Systems	
Software Engineering	Telecommunications	
Image Processing and Computer Vision	Verification	
Human Computer Interaction	Geometric Modelling	
Computational Logic	Security	

YOUR STUDIES

Course catalogue (LSF)

How to choose a lecture – example: core lecture

Faculty Mathematics and Computer Science – Courses on Computer Science

<https://www.lsf.uni-saarland.de/qisserver/rds?state=wtree&search=1&trex=step&root120201=253136|251379|252597|255390&P.vx=kurz>

The screenshot shows the LSF Course Overview page. The top navigation bar is blue with links: Home | Login | **current semester** (circled in red) | Sitemap. Below this, there are links for Student's Corner, Organits, Facilities, and Members. A breadcrumb trail indicates the current location: You are here: Home > Courses > Course Overview.

The main content area is titled "Course Overview" and has a sub-header "current semester". It displays a hierarchical list of courses:

- Vorlesungsverzeichnis**
 - **Mathematics and Computer Science**
 - **Computer Science**
 - **Courses on Computer Science**
 - **Basic Lectures**
 - **Core Lectures** (circled in red)
 - **Advanced Lectures**
 - **Introductory seminars**
 - **Seminars**
 - **Freely chosen points (elective courses) (Soft Skills/Language/Lab)**

Two red arrows point from the text "Basic Lectures and Introductory Seminars can only be taken by bachelor students" to the "Basic Lectures" and "Introductory seminars" items in the list.

YOUR STUDIES

Course list (Core lectures)

How to choose a lecture – example: ICL

Course Overview **current semester** View: > short > me

1 Vorlesungsverzeichnis
 → 1 Mathematics and Computer Science
 → 1 Computer Science
 → 1 Courses on Computer Science
 → 1 Core Lectures

Online lectures and tutorials

Lect.-No.	Lecture	Type
122116	Artificial Intelligence - Hoffmann, Koehler	Lecture / Exercise/problem-solving class
123525	Cryptography - Döttling	Lecture / Exercise/problem-solving class
123526	Introduction to Computational Logic - Spolka	Lecture / Exercise/problem-solving class
123531	Optimization - Karrenbauer	Lecture / Exercise/problem-solving class
123532	Embedded Systems	Lecture / Exercise/problem-solving class
123537	Data Networks - Feldmann	Lecture / Exercise/problem-solving class
123678	Image Processing and Computer Vision - Weickert, Mitarbeiter des Lehrstuhls	Lecture / Exercise/problem-solving class

Example !

Introduction to Computational Logic - Single View
 Go Back

Functions:

Page contents: Basic Information | Dates/Times/Location | Responsible Instructor | Curriculae | Departments | Contents | Structure Tree

Basic Information

Type of Course	Lecture / Exercise/problem-solving class	Long text
Number	123526	Short text
Term	SoSe 2020	Hours per week in term
Expected no. of participants		Max. participants
Turnus		Assignment
Credits		no enrollment
Additional Links	https://courses.ps.uni-saarland.de/icl_20/	
Language	english	

Example !

Dates/Times/Location Group: 📅

	Day	Time	Turnus	Duration	Room	Room-plan	Lecturer	Status	Remarks	Cancellation
📅	Tue.	08:00 to 10:00	woch		Gebäude E2 2 - Hörsaal 0.01 (Günter-Hotz-Hörsaal)					
📅	Wed.	12:00 to 14:00	woch		Gebäude E2 2 - Hörsaal 0.01 (Günter-Hotz-Hörsaal)					

Please follow the instructions given on the webpage and/or join the first lecture

YOUR STUDIES

Example master's program Computer Science

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			

YOUR STUDIES

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.

YOUR STUDIES

Examination registration

Please notice: For **all examinations** you have to register in LSF **one week before** the exam at the latest (final exam and/or 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 certificate!

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 courses e.g. seminars you have also 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!

YOUR STUDIES

Contacts

Study Coordinators: Dr. Tanja Breinig and Barbara Schulz-Brünen

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

Office hours: Tuesday and Thursday, 11 a.m.-1 p.m. (online via MS Teams)

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

Examination office: Bianca Schaum

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: Mondays, Tuesdays and Thursdays, 9.30 -11.00 a.m. (further information on
website)

Emails to: cs@ps-mint.uni-saarland.de

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



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