



Universität Stuttgart



Stefanie Anstein  
co-program manager

**WELCOME**  
to the program  
**Master of Science**  
*Computer Science*

October 14, 2019

# Overview

- 1 Who is who?
- 2 Your academic advisor
- 3 General plan of the program
- 4 Exam regulations & exam/module registration
- 5 Module handbook
- 6 Platforms: C@mpus and ILIAS
- 7 Your schedule
- 8 Further hints

**Who is who?**

**1**

# General responsibilities

- **Dean of the study programs: Prof. Dr. Stefan Funke**  
Responsible for the organization of all study programs of the department



- **Head of the examination board of the program M.Sc. Computer Science: Prof. Dr. Marc Toussaint**  
Responsible for deadline extensions, registration withdrawals, etc.





# Professors for the Major “Autonomous Systems”

- Prof. Dr. Sven Simon (Parallel Systems)



- Prof. Dr. Kurt Rothermel (Distributed Systems)



- Prof. Dr. Marc Toussaint (Machine Learning and Robotics Lab)



# Professors for the Major “Service Technology and Engineering”

- Prof. Dr. Bernhard Mitschang (Applications of Parallel and Distributed Systems)



- Prof. Dr. Frank Leymann (Institute of Architecture of Application Systems)



- Prof. Dr. Melanie Herschel (Data Engineering)



- PD Dr. Holger Schwarz (Applications of Parallel and Distributed Systems)



# Professors for the Major “Visual Computing”

- Prof. Dr. Thomas Ertl (Graphic-Interactive Systems)



- Prof. Dr. Daniel Weiskopf (Visualization)



- Prof. Dr. Andrés Bruhn (Intelligent Systems)



- Jun.-Prof. Dr. Michael Sedlmair (Augmented Reality and Virtual Reality)



- Prof. Dr. Andreas Bulling (Human-Computer Interaction & Cognitive Systems)



# In case of any organizational questions ...

- **Dr. Stefanie Anstein:**  
Student Advisor / Co-program manager  
Pfaffenwaldring 5b, office 1.006



- **Dr. Katrin Schneider:**  
Program manager  
Universitätsstr. 38, office 1.416



**Your academic advisor**

2

# Your academic advisor ...

- supports you in planning your individual curriculum
- can help to decide about useful combinations of modules from a great variety of modules to be chosen from
- will be assigned shortly before your 2nd semester (via email)

# General plan of the program

3

# Study plan suggestion (flexible; \*you\* decide about the order of modules)

## M.Sc. Computer Science (English), University of Stuttgart

Majors („Studienprofile“): Autonomous Systems / Service Technology and Engineering / Visual Computing

### study plan suggestion (flexible)

Semester	Compulsory modules	Catalog Core* [24CP]	Catalog Extended* [12CP]	Catalog Breadth* [12CP]	Catalog Elective* [30CP]	total ECTS Credit Points**
E	Theoretical and Methodological Foundations of <major> [6CP]	Core modules worth 12CP	Extended modules worth 6CP	Breadth modules worth 6CP		30
2	Advanced Seminar Computer Science [3CP]	Core modules worth 6CP	Extended modules worth 6CP	Breadth modules worth 6CP	Elective modules worth 6CP	30
	Key Qualification („SQ“) [3CP]					
3		Core modules worth 6CP			Elective modules worth 24CP	30
4	Master's thesis [30CP]					30

\*) The modules offered in the catalogs can be found in C@MPUS (Search – Degree Programmes).

\*\*) 6CP are typically gained by 3V(lecture)+1Ü(exercise) = 4SWS = 3h/week.



# Compulsory subjects

- Theoretical & Methodological Foundations of <your major> (6 CP; either offered in winter or summer term)
- Advanced Seminar Computer Science (3 CP; 2nd semester earliest):
  - seminar to get acquainted with research methodologies and scientific work
- Key qualification (3 CP; 2nd semester earliest):
  - obligatory for all students, free choice from large offer – registration necessary (previous to the start of the semester)

# Catalog modules

- specific contents for each major – rules:
  - 24 CP from CORE
  - 12 CP from EXTENDED
  - 12 CP from BREADTH
  - 30 CP ELECTIVES
  - modules from bachelor programs can be used to a maximum of 6 CP for Extended, 6 CP for Breadth and 6 CP for Elective (in total at most 18 CP) – only if confirmed by the examination board
  - examination board can decide to include further modules in the catalogues, please send a formal request via S. Anstein

# Master thesis

- you can register your thesis once you've gained 60 CP
- duration: 6 months

# Exam regulations & exam/module registra- tion

# Exam regulations

- binding version in German; indicative version in English, see website
- lists all rules, deadlines, obligatory modules & describes restrictions for the catalog modules
- most important rules (see also handout):
  - 4 semesters = regular duration
  - max. 9 semesters (please check your visa & ask the embassy – not all students are allowed to stay longer than 4 semesters)
  - 4 SWS = “Semesterwochenstunden” = 3h per week = 6 ECTS credit points
  - 1 ECTS credit point = 30h student's time

# Exam regulations – regarding examinations

- exams can be written or oral: PL (written/oral exam), BSL (graded course achievement), USL (ungraded course achievement)
- graded exam:  
1,0 (excellent) / 1,3 / 1,7 ...– 4,0 (acceptable)
- hint: there might be some preconditions to fulfill in order to be allowed to take part in an exam, e.g. homework etc.
- you have to register for exams in C@MPUS
- you can de-register from an exam until 7 days before it takes place – later de-registration is only possible if you hand in a doctor's certificate (examination board will decide about its acceptance)
- you cannot de-register from exam repetitions

# Exam regulations – regarding exam repetitions

- you can only repeat exams you have failed
- one repetition is allowed for each failed exam – no influence on the grade
- 2nd repetition is allowed only 3 times during the whole program (contact us if you get that far)
- repetitions have to be carried out at the next possible date of the exam (in general after the following semester) & you have to register for them

# Exam registration

- one online registration period for binding exam registration in each semester via the C@MPUS system
- you are not allowed to attend exams without having registered during this period
- dates: `www.student.uni-stuttgart.de/en/exams/deadlines`
- hints:
  - sometimes de-registration is not possible via C@MPUS  $\Rightarrow$  contact examination board (e.g. oral exams)
  - to be sure, take a screenshot of your (de-)registrations

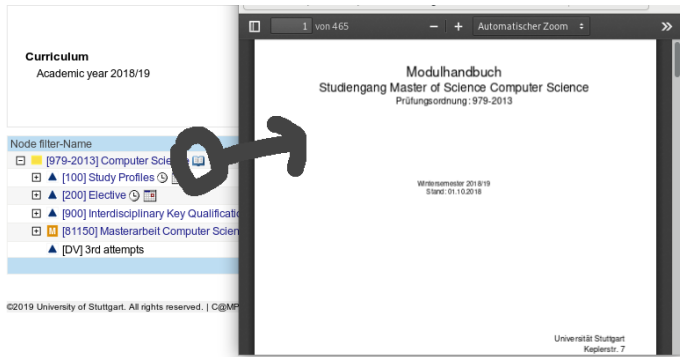


# Module handbook

5

# The module handbook ...

- is a collection of all modules that belong to a program
- can be found in the C@MPUS system (see screenshot below)
- each module description includes an overview over contents/aims, name of the person responsible & the lecturer, CP, literature, exam ...



# Platforms: C@mpus and ILIAS

# C@mpus is the online platform for ...

- finding the currently offered courses and their modules
  - creating a personal schedule (via **non-binding** registration for **courses**)
  - downloading certificates
  - registering exams (via **binding** registration for **modules**) and de-registering
  - getting an overview of your personal examination results (gained credit points; transcript)
- 
- <http://campus.uni-stuttgart.de>
  - login (st1234567@stud-uni...) & password

# ILIAS is the online platform for ...

- finding slides & further seminar/exercise information (you get linked to the courses via C@mpus; in some cases, registration is required)
- uploading exercise solutions etc.
- <https://ilias3.uni-stuttgart.de>
- login (st account) & password

The screenshot shows the ILIAS web interface. At the top is a dark header with the text 'Universität Stuttgart - Lehre & Lernen online'. Below this is the University of Stuttgart logo. A breadcrumb trail reads 'Repository » Engineering » Computer Science » Lehrveranstaltungen Sommersemester 2019'. The main heading is 'Lehrveranstaltungen Sommersemester 2019' with a folder icon. Below the heading are tabs for 'Content' and 'Info'. A green box contains a notice: 'Hinweis: Sowohl das Anlegen von jeglichen semester-/lehrveranstaltungsbezogenen ILIAS-Kursen als auch das Anlegen von Kursen für die Lehrveranstaltungen Sommersemester 2019 geschieht ab dem WS 17/18 nur noch über C@MPUS. Die ILIAS-Kurse werden durch C@MPUS übertragen. Direkt in ILIAS können in dieser Kategorie grundsätzlich keine Kurse mehr angelegt werden.' Below this is a 'COURSES' section. The first course is 'Advanced Information Management' by 'PD Dr. Holger Schwarz', with details on registration and availability. The second course is 'Advanced Software Engineering: Non-Functional Aspects in Software Engineering' by 'Prof. Dr. Bernhard Mitschang, PD Dr. Holger Schwarz'. The third course is 'Advanced Topics In Data Management' by 'Prof. Dr. Bernhard Mitschang, PD Dr. Holger Schwarz'.

Universität Stuttgart - Lehre & Lernen online

Universität Stuttgart

Repository » Engineering » Computer Science » Lehrveranstaltungen Sommersemester 2019

Lehrveranstaltungen Sommersemester 2019

Content Info

Hinweis: Sowohl das Anlegen von jeglichen semester-/lehrveranstaltungsbezogenen ILIAS-Kursen als auch das Anlegen von Kursen für die Lehrveranstaltungen Sommersemester 2019 geschieht ab dem WS 17/18 nur noch über C@MPUS. Die ILIAS-Kurse werden durch C@MPUS übertragen. Direkt in ILIAS können in dieser Kategorie grundsätzlich keine Kurse mehr angelegt werden.

COURSES

**Advanced Information Management**  
PD Dr. Holger Schwarz, Lecture and exercises, summer term 2019  
Registration: No Registration Possible  
Availability: 28. Mar 2019, 10:55 - 30. Sep 2020, 23:55  
To access this item you need to be logged in and to have appropriate permissions.

**Advanced Software Engineering: Non-Functional Aspects in Software Engineering**  
Registration: No Registration Possible  
To access this item you need to be logged in and to have appropriate permissions.

**Advanced Topics In Data Management**  
Prof. Dr. Bernhard Mitschang, PD Dr. Holger Schwarz, Advanced Seminar, Summer term 2019  
Registration: No Registration Possible  
Availability: 24. Feb 2019, 13:00 - 30. Mar 2020, 13:00

**Your schedule**

7

# Finding your compulsory courses via C@MPUS:

88 979 Computer Science (LHG/979-2013, Master programme, current)

Curriculum

Academic year 2019/20

Search

Search

Lehrveranstaltungen

Modules

Organisations

Staff

Rooms

Degree programmes

Log-out

Universität Stuttgart

Go to

[Check for no overlaps](#)  
 Display [Refresh](#) [Course offer](#)  
 View **Curriculum** [Semester](#)  
 Node filter **All** [Exam date](#)  
 Academic year 2019/20

Node filter-Name	Part of the Curriculum	rec. sem.	Credit
<input type="checkbox"/> [979-2013] Computer Science	Yes		12
<input type="checkbox"/> ▲ [100] Study Profiles	Yes		
<input type="checkbox"/> ▲ [110] Visual Computing	Yes		
<input type="checkbox"/> ▲ [111] Compulsory	Yes		
<input type="checkbox"/> M [46760] Theoretical and Methodological Foundations of Visual Computing	Yes		
<input type="checkbox"/> P [46761] Theoretical and Methodological Foundations of Visual Computing	Yes	1.	
<input type="checkbox"/> P [46762] Vorleistung	Yes	1.	
<input type="checkbox"/> V [467601] Vorlesung Theoretische und Methodische Grundlagen des Visual Computing	Yes	1.	

# Finding the current other courses via C@MPUS:

Node filter-Name

- ☐ [979-2013] Computer Science
- ☐ ▲ [100] Study Profiles
- ☐ ▲ [110] Visual Computing
- ☐ ▲ [120] Autonomous Systems
- ☐ ▲ [130] Service Technology and Engineering
- ☐ ▲ [200] Elective
- ☐ ▲ [900] Interdisciplinary Key Qualifications
- ☐ M [81150] Masterarbeit Computer Science
- ▲ [DV] 3rd attempts

©2019 University of Stuttgart. All rights reserved. | C@M

## Course timetable

uni-s University of Stuttgart / 88 979 Computer Science (LHG/979-2013)

Print

Scheduling Conflicts

Settings

Timetable for Summer semester 2019

weekly schedule

Today

<

>

Scaling

100%

Rest

	Monday	Tuesday	Wednesday
08:00		Prac Cou Mod Sim Visu and Com Spe	Modelli Simula and Specifi
09:00			Fac Daf Virtual and Co Augme Inf Reality
10:00	Machine Learning regular class; Exercise; Gruppe 01; Lecturer: Toussaint,	regul class Exer Lect	Mod und Algc Arch regul regul class class
11:00			Syst Sci reg clas Exe reg clas



**Further hints**

**8**

# Some further hints ...

- Create a computer account here in the building.
  - Visit help desk in the computer lab near the southern entrance of the building (with your student ID card).
- Forward your student mail to your private account if you don't read it directly!
- If you're on the waiting list for a dorm, make sure that you confirm regularly at the „Studierendenwerk“ that you're still searching for a room! Additional hint: couchsurfing ...
- Some institutes offer block courses (e.g. IAAS); please check the institutes' websites & C@MPUS.
- Please be aware that exams may take place during the lecture-free period.
- The International Center (Pfaffenwaldring 60) offers lots of help for international students – they're waiting for you to get your welcome package there!

# Some more further hints ...

- German language course (or “Tandem”) advisable (C@MPUS – Central Facilities – Language Center; registration until October 15th)
- further institutions to get information & help:
  - Examination Office (*Prüfungsamt*)
    - Pfaffenwaldring 5c, 3rd floor
  - Admissions Office (*Studiensekretariat*)
    - German students: Pfaffenwaldring 5c, 2nd floor
    - foreign students: Pfaffenwaldring 5c, 1st floor
  - Centre for International Students (*Internat. Zentrum*)
    - welcome service
    - international mentoring, learning groups, student associations, leisure activities, etc.
    - Pfaffenwaldring 60

## Even more further hints ...

further institutions to get information & help:

- Student Services (*Studierendenwerk*)
  - housing, childcare, legal advice, social advice, psychological support, finances, disabilities, ...
  - Rosenbergstraße 18 (Stuttgart centre)
- Welcome Center Stuttgart  
(<https://welcome.stuttgart.de/welcomecenter/en/>)
  - help in many areas for new students

# Some dates to save ...

- Your Start in Stuttgart: Information event by the Capital City of Stuttgart for first-semester international students:  
Wednesday, 06-Nov-2019, 18:00, City Hall Stuttgart
- Welcome Reception for International MSc students:  
Thursday, Nov 14, 2019, 17:30– 19:00 Uhr in V 47.01
- binding exam registration period: Nov 13 - Dec 5, 2019
- end of lecture period: Feb 8, 2020
- public holidays: Nov 1 (shops etc. closed!)
- Winter break: December 23 to January 6 (both included)

# In case of any questions ...

... please ask:

- **Stefanie Anstein**

co-program manager, student advisor &  
contact person examination committee

office: 01.006 in Pfaffenwaldring 5b  
`stefanie.anstein@ims.uni-stuttgart.de`

- if in doubt, ask – the sooner the better :)
- colleagues at the International Service Point of faculty 5  
`www.f05.uni-stuttgart.de/studium/international-service-point/`

Welcome at the University of Stuttgart!