Welcome and introductory event
winter semester 2018

M.Sc.
Computer and Information Science
Welcome to the Department

Prof. Michael Grossniklaus
Dean of Studies

Maria Hesse
Master programme coordinator
Department tour
Department of Computer and Information Science

History

Information Science since 1980th
Computer Science since 1994
Department of Computer Science since 1999
International Master programme in Computer and Information Science since 2010

Academic staff

Professors 15
Scientific researchers < 90
  Academic councils 2
  Post-docs < 20
  PhD students < 60
### Department of Computer and Information Science

<table>
<thead>
<tr>
<th>Professor Name</th>
<th>Position</th>
<th>Research Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Dr. Michael Berthold</td>
<td>Sabbatical</td>
<td>Bioinformatics and Information Mining</td>
</tr>
<tr>
<td>Prof. Dr. Oliver Deussen</td>
<td></td>
<td>Computer Graphics and Media Design</td>
</tr>
<tr>
<td>Prof. Dr. Bastian Goldlücke</td>
<td></td>
<td>Computer Vision and Image Analysis</td>
</tr>
<tr>
<td>Prof. Dr. Michael Grossniklaus</td>
<td>Dean of Studies</td>
<td>Databases &amp; Information Systems</td>
</tr>
<tr>
<td>Prof. Dr. Daniel A. Keim</td>
<td></td>
<td>Data Analysis and Visualisation</td>
</tr>
<tr>
<td>Prof. Dr. Sven Kosub</td>
<td>Member of Exam. Board</td>
<td>Theoretical Computer Science</td>
</tr>
<tr>
<td>Prof. Dr. Stefan Leue</td>
<td>Member of Exam. Board</td>
<td>Software Engineering</td>
</tr>
<tr>
<td>Jun. Prof. Dr. Tatjana Petrov</td>
<td></td>
<td>Modelling of Complex Self-organizing Systems</td>
</tr>
<tr>
<td>Prof. Dr. Harald Reiterer</td>
<td>Sabbatical</td>
<td>Human-Computer Interaction</td>
</tr>
<tr>
<td>Prof. Dr. Dietmar Saupe</td>
<td></td>
<td>Multimedia Signal Processing</td>
</tr>
<tr>
<td>Prof. Dr. Marc Scholl</td>
<td>Head of Exam. Board</td>
<td>Databases &amp; Information Systems</td>
</tr>
<tr>
<td>Prof. Dr. Falk Schreiber</td>
<td>Head of Department</td>
<td>Computational Life Science</td>
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<tr>
<td>Prof. Dr. Sabine Storandt</td>
<td></td>
<td>Algorithmics</td>
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<tr>
<td>Jun. Prof. Dr. Stephan Streuber</td>
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<td>Virtual Reality for Animal Collectives</td>
</tr>
<tr>
<td>Prof. Dr. Marcel Waldvogel</td>
<td></td>
<td>Distributed Systems</td>
</tr>
<tr>
<td>Dr. Johannes Fuchs</td>
<td></td>
<td>Basis of Informatics, Data Analysis and Visualisation</td>
</tr>
<tr>
<td>Dr. Barbara Pampel</td>
<td></td>
<td>Technical Methodology/Basis of Informatics</td>
</tr>
</tbody>
</table>

*Universität Konstanz*
Department of Computer and Information Science

Special features / Labs
- multimedia and tele-teaching facilities
- e-David (drawing robot), Powerbike, Immersive Lab
- Computer Vision Lab

Joint research focus
- explorative analysis and visualization of large information spaces

Computer Vision Lab
Power Bike
Media Room
Immersive Lab
Powerwall
e-David
Study specializations / profiles

- Data Science
- Interactive Systems
- Network Science
- Systems
- Visual Computing

Shape your academic profile and become a specialist

Choose your area of specialisation from the broad field of applied and practical computer science
The Master programme
Master programme: webpages

Master Homepage

www.informatik.uni-konstanz.de/en/studies/master-of-science/
Study and examination regulations for the M.Sc. CIS

Know your rights and duties
Master programme: structure

1-year’s programme

Workload and ECTS

- **Total: 60 ECTS**
  - core area of studies (INF)
    advanced subject courses
    **17 ECTS**
  - final part of studies (INF)
    MA seminar (4 ECTS)
    MA project (9 ECTS)
    MA thesis (30 ECTS) + colloquium
    **43 ECTS**

Recommended ECTS:
30 ECTS = workload per semester
1 ECTS = 30 hours work
Master programme: structure

1-year’s programme – study plan

<table>
<thead>
<tr>
<th>Total: 60 ECTS</th>
<th>1. semester</th>
<th>2. semester</th>
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</thead>
<tbody>
<tr>
<td><strong>core area of studies</strong></td>
<td>advanced subject</td>
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<tr>
<td>(17 ECTS)</td>
<td>courses</td>
<td></td>
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<td></td>
<td>17 ECTS</td>
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<tr>
<td><strong>final part of studies</strong></td>
<td>Mentor discussion</td>
<td>Master thesis +</td>
</tr>
<tr>
<td>(43 ECTS)</td>
<td>Master seminar</td>
<td>colloquium</td>
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<td></td>
<td>4 ECTS</td>
<td>30 ECTS</td>
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<td></td>
<td>Master project</td>
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<td></td>
<td>9 ECTS</td>
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</tbody>
</table>
Master programme: structure

1-year’s programme

- Duration
  - standard study period: 2 semesters
  - longest duration of study: 5 semesters

- Mentoring programme
  - choice of an academic supervisor (mentor) in the beginning of the first semester

- Study specialisations / profile
  - final part of studies
  - at least two advanced subject courses related to the profile
Master programme: structure

2-year’s programme

Workload and ECTS

- **Total: 120 ECTS**
  - core area of studies (INF) – advanced subject courses: 60-77 ECTS
  - supplementary area of studies (courses from other subjects; SQ/SLI/IO): 0-17 ECTS / incl. max. 6 ECTS from SQ/SLI/IO courses
  - final part of studies (INF) – MA seminar (4 ECTS) / MA project (9 ECTS) / MA thesis (30 ECTS) + colloquium: 43 ECTS

Recommended ECTS: 30 ECTS = workload per semester
1 ECTS = 30 hours work
### Master programme: structure

#### 2-year’s programme – study plan

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>core area of studies (60-77 ECTS)</td>
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<tr>
<td>Courses from other subjects</td>
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</table>

> *Course recommendations are listed in the course catalogue!"
Master programme: structure

We recommend to start with lectures:

- **Data Mining: Basic Concepts (V+Ü)**
  - Course number: INF-21110
  - 6 ECTS

- **Information Visualization I (V+Ü)**
  - Course number: INF-20580
  - 5 ECTS

- **Computational Methods for Document Analysis (V+Ü)**
  - Course number:
  - 6 ECTS

- **Scientific Practices for Students (SE)**
  - Course number: INF-20050
  - 3 ECTS
Master programme: structure

2-year’s programme

- **Duration**
  - standard study period: 4 semesters
  - longest duration of study: 7 semesters

- **Mentoring programme**
  - choice of an academic supervisor (mentor) during the first semester but latest before exam registration

- **Study specialisation / profiles**
  - final part of studies
  - at least two advanced subject courses related to the profile
Master programme: structure

2-year’s programme

Further requirements

- **Minimum ECTS requirement in the 1\textsuperscript{st} year**
  - You must complete at least 30 ECTS by the end of the 2\textsuperscript{nd} master’s semester!
  - By failure you loose the right to examination!

- **Final grade composition**
  - Grades from study and exam achievements from other subjects; SQ/SLI/IO do not count towards the final grade.
Master programme: structure

Study specialisation / profiles

- Data Science
- Interactive Systems (HCI)
- Network Science
- Systems
- Visual Computing

Requirements

- final part of studies – MA seminar / project / thesis – is related to your profile
- a minimum of two advanced subject courses are related to your profile

Your study specialisation appears on your graduate certificate if you apply for a certificate addendum.

study specialisations/profiles
www.informatik.uni-konstanz.de/en/studies/master-of-science/study-profiles/
**Master programme: structure**

**Mentoring programme**

**Mentor and mentor discussion**
- academic supervisor
- departmental Professor or academic council
- helps to profile your studies
- recommends MA seminar
- supervises MA project and MA thesis
- signs the mentor discussion report

- More than one mentor discussion is possible
- change of mentor is possible but only reasonable as long as you haven’t started to work on the final area of studies

Contact your mentor through e-mail, subject: “mentor discussion”

Master programme: structure

Mentoring programme

Mentor report
- written report about the mentor discussion
- mutual agreement on the final part of studies: MA seminar / MA project / MA thesis

Please mind: The mentor report must be submitted to the departmental examination office (PZ 807)

Your exam registration + results are invalid unless you have handed in your signed mentor report to PZ 807!
Master programme: recognition

Recognition of study and exam achievements

- Study and exam achievements that haven’t already been recognized for your BA degree can get recognized on request **only during the first semester**.

- The Examination Board will decide on the approval of the recognitions.

- The recognition form and all required documents are to be submitted to our Examination Office (PZ 807)

- **Information for departmental BA graduates**: please see Ms. Kris Rellstab (PZ 807) to transfer your bachelor credits to your master account!
# Master programme: webpage

## Links and downloads

### Department of Computer and Information Science

<table>
<thead>
<tr>
<th>Department</th>
<th>Research</th>
<th>Studies</th>
<th>Service and Support</th>
<th>International</th>
</tr>
</thead>
<tbody>
<tr>
<td>Study Advisory Service</td>
<td>Study essentials</td>
<td>Examination Matters</td>
<td>Examination Matters</td>
<td></td>
</tr>
<tr>
<td>IT-Service and Support</td>
<td>Links and Downloads</td>
<td>Placements and job offers</td>
<td>Placements and job offers</td>
<td></td>
</tr>
<tr>
<td>Career Passport</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Important information for students in all programmes

- **Exams**
  - Offline exam registration (use only if you cannot access StudIS) (PDF)
  - Offline withdrawal from exams (use only if you cannot access StudIS) (PDF)
  - Medical certificate - withdrawal from examinations (PDF)
  - Request to the Examination Board (PDF)
  - Request to the Examination Board (Word)

### M.Sc. Computer and Information Science

- **General information**
- **Recognition of lectures and seminars**
- **Mentoring programme**
- **Project/Master's thesis/Colloquium**

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[Links and downloads](https://www.informatik.uni-konstanz.de/en/service-and-support/links-and-downloads/)
Master programme: registration

Course registration in Zeus

- Advanced subject courses (INF) – core area of studies + MA seminar + MA project
  - course registration is recommended
  - Please read carefully the course descriptions in Zeus / course instructor’s notes.

- Courses from other subjects; SQ etc. – supplementary area of studies
  - Course registration modalities differ within the university.
Course registration in Zeus

- Information Engineering / Computer and Information Science (88781H)
- Introductory Events of the Department of Computer and Information Science
- Preparatory Course - Preparatory Course
- Master Computer and Inf Sc 1 jährig HF PO 2015
- Master Computer and Inf Sc 2 jährig HF PO 2015
- Master’s Project and Seminar
- Advanced Courses
- Lectures
- Directed Studies
- Seminars

Courses from Other Subjects

New to ZEUS?

You'll find the course catalogue in ZEUS starting 26th July 2017.

Please log in to access the following information and functions:
- Change and update your contact information
- Search and register for courses

Contact persons:
- University of Konstanz
- Division of Student Affairs and Teaching
- Dept. Student Affairs

Links:
- Home
- Advice and services
- International office
- Career service

Zeus

Master programme: registration

Course-related exams registration in StudIS

- Online registration in StudIS during the exam registration period is mandatory!

Mind the different sub-accounts for registering your exams in StudIS!

examination matters
www.informatik.uni-konstanz.de/en/service-and-support/examination-matters/
Master programme: registration

Course-related exams registration in StudIS

Course-related exams registration in StudIS

<table>
<thead>
<tr>
<th>Course type</th>
<th>Registration through:</th>
<th>1st exam registration period</th>
<th>2nd exam registration period</th>
</tr>
</thead>
<tbody>
<tr>
<td>lectures</td>
<td>StudIS</td>
<td>01.12.2018 – 04.02.2019</td>
<td>18.03.2019 – 25.03.2019</td>
</tr>
<tr>
<td>seminar + MA seminar</td>
<td>StudIS</td>
<td>15.10.2018 – 19.11.2018</td>
<td></td>
</tr>
</tbody>
</table>
Master programme: registration

Master examination registration

- final part of studies (!)

<table>
<thead>
<tr>
<th>Course type</th>
<th>Registration through:</th>
<th>Registration period</th>
<th>Submit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA project</td>
<td>form</td>
<td>01.10.2018 – 31.03.2019</td>
<td>PZ 807</td>
</tr>
<tr>
<td>MA thesis</td>
<td>form</td>
<td>01.10.2018 – 31.03.2019</td>
<td>PZ 807</td>
</tr>
<tr>
<td>MA colloquium</td>
<td>form</td>
<td>01.10.2018 – 31.03.2019</td>
<td>PZ 807</td>
</tr>
</tbody>
</table>
Master programme: registration

Course-related examination matters

- Exams take place twice per semester
  - First exam period is usually set in the last two weeks of the lecture period of the running semester
  - Second exam period is usually set in the last two weeks before the start of a new semester’s lecture period

- Retaking exams
  - Exams can be re-taken only once!
  - A two-times exam failure is followed by loosing the right to examination for this specific course only
  - Exams must be re-taken within one academic year. Otherwise the examination right for this specific course expires.

Exam dates can be found in your StudIS account.

A two-times exam failure is recorded in your StudIS account. A renewed exam registration is not possible.
Master programme: registration

Course-related examination matters

- Registration formalities
  1. (De-)registration online or through form after the exam registration period has expired is not possible!
  2. Exam registration is binding: non-attendance without valid reason (medical certificate etc.) means course failure
  3. Un-registered exam performance is not valid
  4. After having failed an exam on the first attempt there is no automatic re-registration for the second exam date
  5. TAN list is required to register online for exams in StudIS

More information on Tan lists here: http://cms.uni-konstanz.de/en/studis/tan/
Master programme: webpages

General examination matters

Department of Computer and Information Science
Examination Matters

- Study Advisory Service
- IT-Service and Support
- Career Passport

www.informatik.uni-konstanz.de/en/service-and-support/examinations/
Good to know

Academic leave of absence

- If you are not able to participate in the lectures of the running semester for more than 6 weeks because of important reasons, you may request an academic leave of absence.

- Important reasons are:
  - Study abroad
  - Internship that serves the completion of studies
  - Illness
  - Family issues
    - Care of a child under the age of five
    - Times of maternity/parental leave
  - Individual reasons

**Going abroad and internships**

**Study exchange and internships (abroad)**

- Many study exchange options on master level available
  - Erasmus programme (Europe)
  - Global exchange (overseas)
  - Erasmus placement; IAESTE etc.

- No obligatory practical semester in the master programme

- Each winter semester: information event on “Going abroad information for Computer Science students”

Alexandra Marencakova, Maria Hesse
erasmus.inf@uni-konstanz.de
Going abroad and internships

Study exchange and internships (abroad)

FOR STUDENTS STUDYING IN KONSTANZ

Study exchange in Europe
- Global exchange
- Bilateral exchange with Switzerland
- Internships abroad
- More exchange options
- Recognition of coursework

Study exchange in Europe with Erasmus+

Study abroad in one of our numerous over foreign universities and get to know your studies completely new!
Going abroad and internships

Internships

Department of Computer and Information Science
Examination Matters

<table>
<thead>
<tr>
<th>Department</th>
<th>Research</th>
<th>Studies</th>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Placements and job offers

Career Service at the University of Konstanz

www.uni.kn/studieren/beratung-und-service/career-service/
Going abroad and internships

Career Passport Program

Each winter semester: information event on **Career Passport** - tba

Get your career passport: informatik.uni.kn/career
First steps

- Read the M.Sc. study and examination regulations!
- Get a course overview and register for courses and tutorials/groups (Zeus)
- Mind the varying registration periods for lectures and seminars in our department.
- Plan your workload (20-30 ECTS)
- Towards the end of this semester:
  - Choose a study specialisation (profile)
  - Contact your mentor (mentor discussion) and register for exams (StudIS)
Our recommendations

We recommend to join:

- **Campus tour (16.10)**
  - German: 14:30pm, Campus Café (Fachschaft)
  - English: 12:30pm, Campus Café (CIS Buddy team)

- **Lecture series / Ringvorlesung (17.10-19.10)**
  - A 701
  - starting from 10am
Advisory service

Maria Hesse
Internationalization and Master Coordination
PZ 807
Tel: +49-7531-88-2078
maria.hesse@uni-konstanz.de

CIS buddy team
Laman, Nida and Ziad
buddyteam.inf@uni-konstanz.de

Need advice? Contact us!
Advisory service

Department

Dr. Martin Brunner
Department Administrator & Student Advisor BA

Martin.Brunner@uni-konstanz.de
Room: PZ 808

Department

Kris Rellstab
Examination Office

pruefungsverwaltung.informatik@uni-konstanz.de
Room: PZ 807

Department

Alexandra Marencakova
Erasmus Coordinator

erasmus.inf@uni-Konstanz.de
Room: PZ 805

International Office

Alexandra Frasch
International degree-seeking students

degree.students@uni-konstanz.de
Room: A623
Advisory service

Best way to get your questions answered:

- **Consulting hour**
  - Make use of my/our consulting hour to get your questions answered

- **E-Mail** (minor issues; if written approval necessary)
  - name, surname
  - student ID nr.
  - Reply always to the e-mail history, do not start a new e-mail for the same topic
Facebook

Department of
Computer and Information Science

Universität Konstanz - Computer and Information Science

-- informatik.uni.kn

Startseite
Info
Beiträge
Fotos
Veranstaltungen
Bewertungen
Videos
Community
Seiten_infos & Werbung

Seite erstellen

Citius, Altius, Fortius: Advances in Query Processing

Di, 16. Okt um 17:15 UTC+02
„Citius, Altius, Fortius: Advances in Query Processing“
A 701

www.facebook.com/inf.uni
konstanz/
Q&A session
We wish you all the best for your master studies.