Introductory Meeting Master of Computer Science
(Winter Semester 2017/18)
Research Areas

Algorithmics
- Complexity Theory
- Algorithmic Geometry
- Discrete Mathematics
- Cryptography

Graphics, Vision, Audio
- Image Processing
- Computer Vision
- Computer Graphics
- Signal Processing
- Computer Animation

Information and Communication Management
- Information Systems
- Software Technology
- Computer Networks
- Communication Systems
- Distributed Systems

Intelligent Systems
- Artificial Intelligence
- Robotics
- Neural Networks
- Machine Learning
- Knowledge Discovery
Examination Rules M.Sc. Computer Science

Where to find?

Examination rules, Paragraph 4, section 4:

Requirement: 120 CP in total

• Focus Area: 31 – 61 CP, 1-2 seminars (4-10 CP), 1-2 labs (9-18 CP)
• Other Areas: at least two with at least 6 CP each
• Master Thesis: 30 CP + 2 CP from accompanying seminar

-> no compulsory modules, choose freely from course catalog
Three suggestions for structuring your studies

Sample Study Plan I:
General approach: *all four research areas covered*

<table>
<thead>
<tr>
<th>1st</th>
<th>Lecture (Research Area A)</th>
<th>Lecture (Research Area B)</th>
<th>Lecture (Research Area C)</th>
<th>Lecture (Research Area D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd</td>
<td>Seminar (Course Emphasis)</td>
<td>Lecture (Course Emphasis)</td>
<td>Lecture (Research Area C)</td>
<td>Lecture (Research Area D)</td>
</tr>
<tr>
<td>3rd</td>
<td>Lab (Course Emphasis)</td>
<td>Lecture (Research Area B)</td>
<td>Lecture (Research Area B)</td>
<td>Lecture (Research Area C)</td>
</tr>
<tr>
<td>4th</td>
<td>Master’s Thesis</td>
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</table>

with accompanying seminar
**Sample Study Plan II:**
Specializing approach: *three areas covered, focus on one area*

<table>
<thead>
<tr>
<th></th>
<th>Lecture (Research Area A)</th>
<th>Lecture (Research Area A)</th>
<th>Lecture (Research Area B)</th>
<th>Lecture (Research Area C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Seminar (Course Emphasis)</td>
<td>Lec./Sem./Lab. (Course Emphasis)</td>
<td>Lecture (Course Emphasis)</td>
<td>Lecture (Research Area B)</td>
</tr>
<tr>
<td>2</td>
<td>Lab (Course Emphasis)</td>
<td>Lec./Sem./Lab (Course Emphasis)</td>
<td>Lecture (Course Emphasis)</td>
<td>Lecture (Course Emphasis)</td>
</tr>
<tr>
<td>3</td>
<td></td>
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<tr>
<td>4</td>
<td>Master’s Thesis</td>
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</table>

**with accompanying seminar**
Sample Study Plan III:
Hybrid: *three areas covered, focus on two areas*

<table>
<thead>
<tr>
<th></th>
<th>Lecture (Research Area A)</th>
<th>Lecture (Research Area A)</th>
<th>Lecture (Research Area B)</th>
<th>Lecture (Research Area B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
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</tr>
<tr>
<td>2.</td>
<td>Lab (Course Emphasis)</td>
<td>Lecture (Course Emphasis)</td>
<td>Lecture (Research Area B)</td>
<td>Lecture (Research Area C)</td>
</tr>
<tr>
<td>3.</td>
<td>Seminar (Course Emphasis)</td>
<td>Lab (Course Emphasis)</td>
<td>Lecture (Course Emphasis)</td>
<td>Lecture (Research Area B)</td>
</tr>
<tr>
<td>4.</td>
<td>Master’s Thesis</td>
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</tbody>
</table>

Master’s Thesis with accompanying seminar
What to do in your first semester?

Look at the course overview in BASIS, available at https://basis.uni-bonn.de
For more information, crossreference available courses with the module handbook.

Module numbers MA-INF ASXY have been assigned according to the following key:
• A = number of the area of research
• S = approximate semester (1st-3rd) within the master‘s curriculum
• XY = sequential number within the semester and area of competence (two digits)

Lectures, seminars, and labs ought to be taken between the 1st and 3rd semester. The 4th semester is reserved for preparing the master‘s thesis.
Continued: What to do in your first semester?

In your **first semester**, you should start with the first or second semester **lectures**. Please note that most introductory (or first semester) lectures are only offered in winter semester.

**Please be aware that**

- lectures consist of the **lecture itself plus exercise groups**
- you will be told how to choose your exercise group in the lecture
- you should take your time during the **first two weeks of the semester** to attend all the modules you are interested in and then choose enough modules to cover 30 ECTS (e.g. 2 * 9 + 2 * 6, 5 * 6, etc)

=> good planning and looking ahead is important to stay in the recommended study length of four semesters
Continued: What to do in your first semester?

Registration for our Master’s Program:

On two dates (end of October and beginning of November) in front of Room A401 in Römerstraße. Without this registration, you cannot register for exams. For registration, please bring along the following documents:

- passport
- final student id
- attached form (filled-in)
- bachelors degree certificate PLUS COPY
- TOEFL or IELTS result PLUS COPY (if TOEFL result was not sent directly to us by ETS)

Please note: registration will only be possible if you bring along ALL necessary documents, which includes the final student id. Copies need to be made by yourself!
Registration for lecture exams, seminars and labs

Each module is concluded with an exam. You have to register for each exam in advance, including labs and seminars.

• Registration in BASIS: https://basis.uni-bonn.de
• Tutorial: https://www.informatik.uni-bonn.de/en/for-students/registering-exams-in-basis/
• Info on registration deadlines: https://www.informatik.uni-bonn.de/en/for-students/general-information

Examination Office

• our exams office is located on 4th floor Römerstraße, room A.403
• person in charge: Mrs. Judith König
• for office hours and additional info see: https://www.informatik.uni-bonn.de/en/for-students/examination-office
Questions on BASIS (exam registration only):

- **technical questions** on exam registration via BASIS need to be directed to Dr. Stefan Lüttringhaus-Kappel @ pos@informatik.uni-bonn.de
  - His office is located on 4th floor Römerstraße, room A.404
  - Office hours (right column):
    https://www.informatik.uni-bonn.de/en/for-students/general-information/

Study Advisory Service

- Study advisor Dr. Matthias Frank
- Service open to all students of computer science
- Help on study-related problems
- Further info plus contact details:
  https://www.informatik.uni-bonn.de/en/for-students/student-advisory-service
Who to contact?

Examination Office
Legal matters, Ausländeramt forms, sick notes for exams, etc.

Bachelor-Master-Office
General questions, basis support

Study Advisory Office
Study-related questions

Please contact professors/tutors directly for lecture-specific questions.
Institute‘s campuses

Römerstraße 164, 53117 Bonn (department III, exams office, bachelor-master office, IT support, CIP (computer) pools, lecture halls I+II)

Friedrich-Ebert-Allee 144, 53113 Bonn (departments I, II IV, V and VI, computer pool, lecture hall III.03)

How to get from A to B:

• Buses 551, 600, 601 from bus stop „Pädagogische Fakultät“ to „Markt“ (direction Bonn City Centre)
• Walk to underground station „Universität/Markt“ and take tram 16, 63 or 66, direction Bad Honnef or Bad Godesberg, get off at „Deutsche Telekom/Olof-Palme-Allee“, the institute‘s building is right opposite the tram stop
• Please also see the following website for up-to-date info on bus and tram schedules: [http://www.vrsinfo.de/englisch/the-vrs/vrs-about-us.html](http://www.vrsinfo.de/englisch/the-vrs/vrs-about-us.html)
Important pages on Informatik-Website at a glance:

• WiFi via Eduroam: https://www.hrz.uni-bonn.de/english-information/internet-und-netzzugang-en/wlan/eduroam-en
• Contact details of institute’s members: https://www.informatik.uni-bonn.de/en/institute/members
• Student union: http://www.fachschaft.info/en
• IT-services: https://www.informatik.uni-bonn.de/en/institute/it-services
• For students: https://www.informatik.uni-bonn.de/en/for-students/general-information
• Job offers: https://www.informatik.uni-bonn.de/en/for-students/master-of-science-in-computer-science/information-for-current-students
• Scholarships: https://www.informatik.uni-bonn.de/en/for-students/scholarships-and-grants
• Study abroad: https://www.informatik.uni-bonn.de/en/for-students/the-erasmus-exchange-program
• Learning German: https://www.informatik.uni-bonn.de/en/for-students/master-of-science-in-computer-science/learning-german-in-bonn
Extra-curricular activities:

- **Free German classes** offered by International Office (first-minute registration necessary):
  https://www.uni-bonn.de/studying/international-students/german

- **Tandem-Program** (in German, use a translating service):
  https://www.ikm.uni-bonn.de/sprachlernzentrum/begleitetes-autonomes-fremdsprachenlernen/tandem

- **Counseling and Service by International Office**:
  https://www.uni-bonn.de/studying/international-students/counseling-and-service

- **Counseling and Service by AStA**:
  http://www.asta-bonn.de/Consultations

- **University Sports Activities** (Hochschulsport):
  http://www.sport.uni-bonn.de/

- **Studium Universale**:
  http://www3.uni-bonn.de/studium/studium-universale
Last, but not least....

- Please respect our office hours!
- Office hours: https://www.informatik.uni-bonn.de/en/for-students
- If you have a question related to your studies, please get an official answer from the exams office.
- Do not rely on rumours, they might be wrong.
- A lot of information at our university is only published in German. If you don’t understand it, please use an electronic translation service to get a general idea, then contact the person in charge mentioned on the respective webpage. Many university employees speak enough English to communicate with you.
Thank you for your attention!