WELCOME

to the program

Master of Science
„Computational Linguistics”

Andrea Glaser & IMS student representatives

Institute for Natural Language Processing /
Institut für Maschinelles Sprachverarbeitung (IMS)
University of Stuttgart
Overview

Introduction – who we are . . .

Program of study: M.Sc. CL

Useful information

Next steps
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The IMS Chairs / Professors

- **Theoretical Computational Linguistics**  
  (Head: Prof. Dr. Sebastian Padó)

- **Fundamentals of Computational Linguistics**  
  (Head: Prof. Dr. Jonas Kuhn)

- **Experimental Phonetics**  
  (Head: Prof. Dr. Grzegorz Dogil †)

- **Junior Prof. Computational Linguistics**  
  (Head: Junior Prof. Dr. Ngoc Thang Vu)
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Program of study

- regular duration: 4 semesters (max. duration: 9 sem.)
- consists of several **modules**
  - module duration: 1-2 semesters
  - can contain 1 (or more) **course(s)**
    (= lectures, seminars, lab sessions …)
- module descriptions: module handbook
  - [www.uni-stuttgart.de/bologna/modulhandbuecher](http://www.uni-stuttgart.de/bologna/modulhandbuecher)
Program of study ctd.

- ECTS credit point (CP) = *Leistungspunkt* (LP)
  - measurement of working load (1 CP = 30h)
  - 2 SWS = 1,5h/week = 3 CP/semester
  - 120 CP needed for M.Sc. degree
  - are given for complete modules after last successful exam

- New exam regulations since WS 2017/18
  - Applies to everyone who started in WS 2017/18 or later
  - No more “Concentrations”
  - More “Elective modules”
# Study plan suggestion

Program structure MSc CL PO 2017, Uni Stuttgart

<table>
<thead>
<tr>
<th>Semester</th>
<th>Obligatory modules</th>
<th>Elective modules</th>
<th>Other</th>
<th>ETCS Credit Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (WiSe)*</td>
<td>Methods in CL ** [8SWS*** 12CP]</td>
<td>Elective courses worth ca. 18CP</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td>2 (SoSe)*</td>
<td>CL Team Lab ° [4SWS 6CP]</td>
<td>Elective courses worth ca. 18CP</td>
<td>Key competences ** [2SWS 3CP]</td>
<td>27</td>
</tr>
<tr>
<td>3 (WiSe)*</td>
<td>CL Research Module ** [4SWS 9CP]</td>
<td>Elective courses worth ca. 24CP</td>
<td></td>
<td>33</td>
</tr>
<tr>
<td>4 (SoSe)*</td>
<td>Master's thesis [30CP]</td>
<td></td>
<td></td>
<td>30</td>
</tr>
</tbody>
</table>

Colour key: IMS & Computer Science / Linguistics Departments across UniS

*) For a start in the summer semester, it is recommended to interchange obligatory modules.
However, the CL Team Lab is not recommended for 1st semester students without background in CL.

**) Offered in winter semesters

***) 2 SWS = 1.5h/week

°) Offered in summer semesters

°°) Is also possible in any other semester
Program of study ctd.

Details about modules

- “Methods in Computational Linguistics” (12 credit points; first semester)
- “Computational Linguistics Team Laboratory” (6 credit points; second semester)
Program of study ctd.

Elective modules (60 credit points)

- Choose 1 primary catalogue (at least 18 credit points) and 2 secondary catalogues (at least 6 credit points each)
- Choose primary/secondary catalogues from
  - Core Computational Linguistics
  - Applied Natural Language Processing
  - Speech Processing
- The remaining modules (credit points) can be chosen freely from all offered catalogues
Program of study ctd.

Elective modules (60 credit points)

- if a module is not (yet) listed in our module handbook, ask A. Glaser / S. Anstein if it can be imported

Please note: Each course can be used only once – to prove this, you have to upload a completed “module table” via ILIAS each semester.

Download: http://www.ims.uni-stuttgart.de/studium/interessierte/studiengaenge/cl-msc/pruefung.en.html
Key competences (3 credit points)

- modules for general competences
  - e.g. presentation modalities,
    time / project / knowledge management, ...
  - can be done in any semester; only online registration possible before semester start:
    http://www.uni-stuttgart.de/sq
  - can be found in C@MPUS at “Central facilities – Central Facility Zentrum für Lehre
    und Weiterbildung der Universität Stuttgart – Central office Fachübergreifende
    Schlüsselqualifikationen – Courses”

- possible at the Language Center: advanced language courses
- Language Center also offers SQ courses during semester breaks
Program of study ctd.

Later obligatory modules

- Research module (9 credit points)
  - Research seminar
    - preparation for Master’s thesis: read research papers / books, find a topic for your thesis
  - Research colloquium
    - presentation of your (ongoing) Master’s thesis work
- Master’s thesis (30 credit points)
  - need at least 60 credit points to start with Master’s thesis

Please note: This is an idealised scheme of the program – you can do it differently, just don’t exceed the maximum duration of 9 semesters!
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- German language course advisable
  - some important University documents exist in German only
  - to make the most of your life in Germany :)

- Some students got a “conditional admission” (*Auflagen*; see C@MPUS account; recommended to take the oral exam asap) – you will get another email with more information about registration.
Useful information ctd.

- exam regulations (at the moment in German only)
  - describe obligatory modules & define electives
  - determine number of possible repetitions and maximum length of the study, . . .
  - important information is also available in English on the IMS homepage and on the handout

- exams
  - oral or written exam (during the semester or at the end of the semester)
  - ungraded exam: passed / failed
  - 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, . . .
Useful information ctd.

- registration for exams / **modules**
  - exact exam dates are announced in the lectures
  - register online in C@MPUS
  - for modules containing several courses, register in the semester in which you will finish **all** parts
  - each exam has to be registered during the registration period (as announced by the University: May/June & November/December) – otherwise participation is not possible (screenshot of registrations recommended)
postponing / repeating exams

- you can withdraw from an exam until 7 days before the exam takes place (otherwise, a medical certificate is needed as soon as possible in order for the exam not to count as “failed”)
- failed exams can be repeated once; this has to be done within 2 semesters; re-registration necessary!
- a second repetition of a module exam is only allowed in 3 cases in total
Useful information ctd.

- C@MPUS online portal
  - contains all currently offered courses and the modules they can be used for
  - personal timetable can be created (by registering for courses: non-binding)
  - (de-)registration for exams
  - https://campus.uni-stuttgart.de
Useful information ctd.

- **ILIAS platform**
  - is used to share information (slides, literature, ...) for courses (provided by the lecturers)
  - when you register the course in C@MPUS you will automatically be in the corresponding ILIAS course (if there is one for this course)
  - [http://ilias3.uni-stuttgart.de](http://ilias3.uni-stuttgart.de)
Useful information ctd.

- more important information on the IMS website
  - http://www.ims.uni-stuttgart.de
    - course of study, exam regulations
    - lecturers, staff & contact data
    - projects & publications
    - events & news
    - ...

Further institutions at the university 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 – get your welcome package!
  - International mentoring, learning groups, student associations, leisure activities, etc.
  - Pfaffenwaldring 60
Useful information ctd.

Further institutions at the university to get information & help:

- Oecumenic Centre (Ökumenisches Zentrum, ÖZ)
  - Allmandring 6 (Vaihingen)
- Student Services (Studierendenwerk)
  - housing (make sure you stay on waiting list!), childcare, legal advice, social advice, psychological support, finances, disabilities, . . .
  - Rosenbergstraße 18 (Stuttgart centre)
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For you to do . . .

- take a look at
  - the current semester schedule extracted from C@MPUS (see below and on the IMS homepage)
    - hint: rather choose „lectures“ and overview / introductory courses in the beginning
    and „seminars“ on very specific topics only in the later course of studies (especially for non-CL graduates)
## Schedule for the current semester

### Course timetable
052400 Institute for Natural Language Processing

<table>
<thead>
<tr>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>07:00</td>
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<tr>
<td>08:00</td>
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<tr>
<td>08:00-09:30</td>
<td>Introduction and Application of Programming in R</td>
<td>08:00-09:30</td>
<td>Advanced Speech Perception</td>
<td>08:00-09:30</td>
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<tr>
<td>09:45-11:15</td>
<td>Advanced Speech Production; regular class; Lecture: Winkler, Wolfgang; Dr. (13 Termine zwischen 16.04.2018 und 18.07.2018 zusammengefasst)</td>
<td>09:45-11:15</td>
<td>Statistical Dependency Parsing</td>
<td>09:45-11:15</td>
</tr>
<tr>
<td>10:00-11:30</td>
<td>Introduction to Psycholinguistics; regular class; Lecture: Nikoletta, Frasinielli; Diego (13 Termine zwischen 10.04.2018 und 17.07.2018 zusammengefasst)</td>
<td>10:00-11:30</td>
<td>Computational Approaches to Narrative</td>
<td>09:45-11:15</td>
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<tr>
<td>11:30-13:00</td>
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<tr>
<td>12:00</td>
<td>Parsing; regular class; Lecture with Exercises; Lecture: Le Duc, Thi Thuy, Dr. (13 Termine zwischen 16.04.2018 und 18.07.2018 zusammengefasst)</td>
<td>Parsing; regular class; Lecture with Exercises; Lecture: Winkler, Wolfgang; Dr.</td>
<td>Parsing; regular class; Lecture with Exercises; Lecture: Le Duc, Thi Thuy, Dr. (13 Termine zwischen 20.04.2018 und 20.07.2018 zusammengefasst)</td>
<td>Parsing; regular class; Lecture with Exercises; Lecture: Le Duc, Thi Thuy, Dr. (13 Termine zwischen 20.04.2018 und 20.07.2018 zusammengefasst)</td>
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<td>13:00</td>
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<tr>
<td>14:00</td>
<td>Cognitive and Computational Models of Abstraction; regular class; Seminar: Lehr; Schulte im Wikkel</td>
<td>14:00-15:30</td>
<td>Computational Linguistics Team Laboratory; Phonetics</td>
<td>14:00-15:30</td>
</tr>
<tr>
<td>15:00</td>
<td>Computational Linguistics Team Laboratory; Phonetics</td>
<td>14:00-15:30</td>
<td>Computational Linguistics Team Laboratory</td>
<td>14:00-15:30</td>
</tr>
<tr>
<td>16:00</td>
<td>Computational Linguistics Team Laboratory; Phonetics</td>
<td>14:00-15:30</td>
<td>Lexical Semantics; Language and Force</td>
<td>14:00-15:30</td>
</tr>
<tr>
<td>17:00</td>
<td>Computational Linguistics Team Laboratory; Phonetics</td>
<td>14:00-15:30</td>
<td>Multilingual Word Embeddings</td>
<td>14:00-15:30</td>
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<tr>
<td>18:00</td>
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<tr>
<td>19:00</td>
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IMS course list summer semester 2016

Courses VS Modules

Courses offered

Modules

http://www.ims.uni-stuttgart.de

S. Anstein, A. Glaser: M.Sc. CL
Some dates to save . . .

- “Your future in Stuttgart”: Friday, Jun 8 (town hall Stuttgart)
- Public holidays: May 1, May 10, May 21, May 31, 2018 (everything is closed!)
- Pentecost break: May 21 to May 26, 2018
In case of any questions . . .

... please ask:

- Andrea Glaser
  Stefanie Anstein

degree program manager, student advisor & contact person examination committee;

office: 02.019 here in Pfaffenwaldring 5b
studienberatung@ims.uni-stuttgart.de

- if in doubt, ask – the sooner the better :)
And now . . .

- Fill in the forms for your computer account at the IMS – check your IMS mail regularly or set a ’forward’!
- Follow us on our little guided tour – find the student representatives’ room and take a look into the computer lab!
- Have some typical Swabian food: Apfelschorle (apple juice with sparkling water) & Brezeln (pretzels)!
- Ask questions, if there are any . . .

Welcome at the IMS!