WELCOME to the program
Master of Science
Computational Linguistics

April 16, 2020
Overview

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Introduction – who we are ...
IMS chairs / research groups

- "Theoretical Computational Linguistics": Prof. Sebastian Padó, Dr. Klinger, Dr. Lapesa & many more
  - semantics, multilinguality, text mining, machine learning, psycholinguistics and much more

- "Foundations of Computational Linguistics": Prof. Jonas Kuhn, Prof. Reyle, Prof. Schulte im Walde & many more
  - syntax and semantics, research infrastructure, digital humanities, code-switching and much more

- "Digital Phonetics": Prof. Thang Vu, Dr. Schweitzer, Dr. Wokurek & many more
  - speech recognition and synthesis, deep learning, dialogue systems, speech signal analysis, prosody, phonetic convergence and much more

- Junior professorship Computational Linguistics: coming soon

- Emmy Noether Group 'Computational Models of Misunderstanding': Dr. Michael Roth
Program of study:
M.Sc. CL
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, see C@MPUS
- 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;
    30 CP per semester = 20 SWS = 10 × 1,5h per week
- are given for complete modules after last successful exam
# Study plan suggestion (flexible!)

<table>
<thead>
<tr>
<th>Semester</th>
<th>Obligatory modules</th>
<th>Elective modules</th>
<th>Other</th>
<th>ETCS Credit Points</th>
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<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>
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<tr>
<td>3 (WiSe)*</td>
<td>CL Research Module ** [4SWS 9CP]</td>
<td>Elective courses worth ca. 24CP</td>
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<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

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program structure MSc CL PO 2017, Uni Stuttgart
Program of study ctd.

Details about modules

- “Methods in Computational Linguistics”
  (12 credit points; first (winter) semester; highest priority!) item
- “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 (30 credit points) can be chosen freely from all offered catalogues (largest choice: Computer Science)
Program of study ctd.

Elective modules (60 credit points)

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

- special module: “Project Seminar Computational Linguistics” (2 SWS → 6 LP by doing additional project)

Please note: Each course can be used only once – to prove this and to help us entering your grades, you’ll need to submit your course-module mapping each semester (see email reminder). You can find the possible modules for a course in C@MPUS in the column “SPO”.

Program of study ctd.

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
  - You’ll get an email with the registration dates!
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, write proposal, present your thesis topic and pass oral exam
  - can be taken “remotely” (studying abroad, internship)
  - should be taken in 2nd semester by students who started in summer term
- 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! For students who start in summer term, an individual plan can be developed together with S. Anstein (according to your background).
Useful information
Useful information

- German language course / “tandem” advisable
  - binding version of University documents: in German
  - to make the most of your life in Germany :) 
  - check C@MPUS – Central Facilities – Language Center (course registration deadline: Oct 15)
- some students got a “conditional admission” (Auflagen)
  - see C@MPUS account; recommended to take the oral exam asap / programming course available in winter (no credits)
  - please register in Nov/May; you will get another email with more information
- please participate in evaluations
  - course evaluations, carried out during semester (on paper)
  - module evaluations, carried out after end of semester/exams (by email)
Useful information ctd.

- exam regulations (at the moment in German only)
  - important information is also available in English on the websites and on the handout (if in doubt, please ask!)
  - describe obligatory modules & define electives
  - determine number of possible repetitions and maximum length of the study, ...
  - [http://www.uni-stuttgart.de/studieren/service/admin/po/msc/index.html](http://www.uni-stuttgart.de/studieren/service/admin/po/msc/index.html)

- 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 (can also take place in lecture-free period!)
  - register online in C@MPUS
  - 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)
- info meeting: Nov 13 lunch break
Useful information ctd.

- postponing / repeating exams
  - you can only repeat exams you have failed
  - 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!
  - 2 failed modules can be dropped
  - a second repetition of a module exam (type “PL”, see module handbook) 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**
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
  - ...

- more space in (computer) working areas in Pfaffenwaldring 5c and in
  Universitätsstraße 38

- honor code: not to plagiarize (worst case: plagiarism can lead to
  exmatriculation)

- please read the IMS code of conduct:
  www.msv-cl.de/code-of-conduct
Useful information ctd.

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 (*Internationales Zentrum*)
  - welcome service – get your welcome package!
  - international mentoring, learning groups, student associations, leisure activities, help with German forms etc.
  - Pfaffenwaldring 60
Useful information ctd.

Further institutions at the university to get information & help:

- Student Services (Studierendenwerk)
  - housing (make sure you stay on waiting list!), childcare, legal advice, social advice, psychological support, finances, disabilities, …
- Rosenbergstraße 18 (Stuttgart centre)

Further institutions outside the university to get information & help:

- Welcome Center Stuttgart
  (https://welcome.stuttgart.de/welcomecenter/en/)
  - help in many areas for new students
Next steps
For you to do ...

- take a look at
  - the current semester schedule extracted from C@MPUS (see below and on the IMS homepage)
    - choose around 30 CP / 20 SWS / 10 slots (check course combinations)
    - 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)
  - if you plan to focus on machine learning, work on your maths ...
Schedule for the current semester

Course timetable
uni-s University of Stuttgart / 88 979 Computer Science (LHG/979-2019)

Timetable for Summer semester 2019

Weekly schedule

Monday | Tuesday | Wednesday
--- | --- | ---
08:00 | Practical Course and Simulation | Virtual and Augmented Reality
09:00 | Visual Computing | Information System
10:00 | Machine Learning | Computer Science and Engineering
11:00 | Lecture: Toussaint, Lecturer: Toussaint, Exercise: Group 01 |
Some dates to save …

- Welcome Reception for International MSc students: October/November 2020
- Whitsun break: June 2 to 5 (both included)
- Public holidays: May 1, 21; June 11 (shops etc. closed!)
In case of any questions ...

... please ask:

- **Stefanie Anstein**

  degree program manager, student advisor &
  contact person examination committee

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

  • if in doubt, please ask – the sooner the better :) 

- our student representatives (room 00.015;
  fscl@listserv.uni-stuttgart.de; msv-cl.de)

- colleagues at the International Service Point of faculty 5
  www.f05.uni-stuttgart.de/studium/international-service-point/
And now ...

- Fill in the form for your computer account at the IMS and email it to studenten-trouble@ims.uni-stuttgarter.de – **check your IMS mail regularly or set a 'forward'** (default: st-account!)
- Ask questions, if there are any ...

Welcome at the IMS!