Universität Stuttgart

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& student representatives

Institut für
Maschinelle
Sprachverarbeitung

WELCOME
to the program
Master of Science
Computational Linguistics

April 16, 2020

Overview

1. Introduction – who we are ...
2. Program of study: M.Sc. CL
3. Useful information
4. Next steps

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 x 1,5h per week
  - are given for complete modules after last successful exam

Study plan suggestion (flexible!)

program structure MSc CL PO 2017, Uni Stuttgart

Semester	Obligatory modules	Elective modules	Other	ETCS Credit Points
1 (WiSe)*	**Methods in CL** ** [8SWS*** 12CP]	**Elective courses** worth ca. 18CP		30
2 (SoSe)*	**CL Team Lab** ° [*4SWS 6CP]*	**Elective courses** worth ca. 18CP	**Key competences** °° [*2SWS 3CP]*	27
3 (WiSe)*	**CL Research Module** ** [4SWS 9CP]	**Elective courses** worth ca. 24CP		33
4 (SoSe)*	**Master's thesis** [30CP]			30
Colour key:	IMS	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 (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 choosen 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 $\rightarrow$ 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`
- 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:

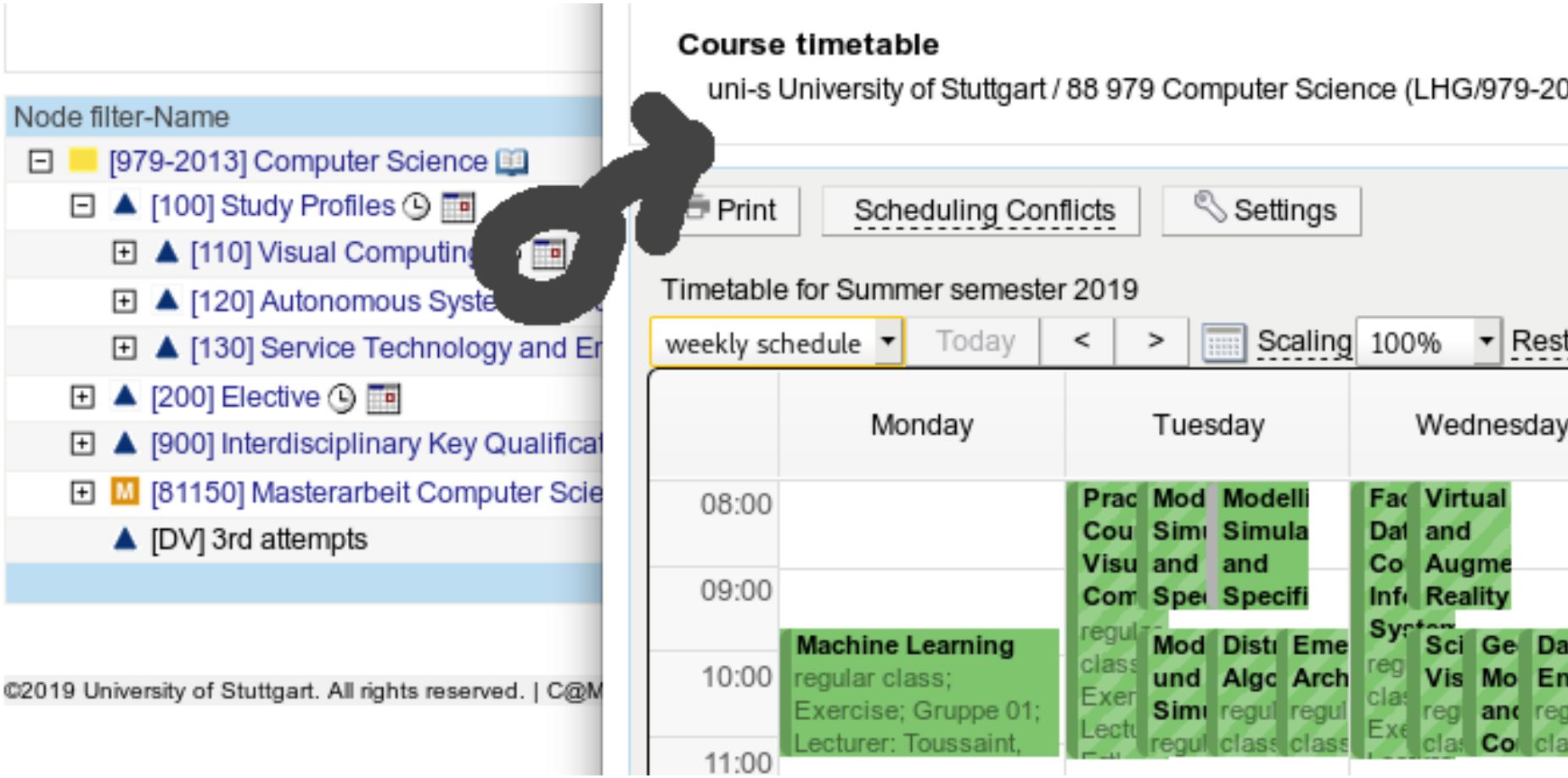
- Welcome Center Stuttgart (https://welcome.stuttgart.de/welcomecenter/en/)
  - help in many areas for new students

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



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-stuttgart.de – **check your IMS mail regularly or set a 'forward' (default: st-account!)**
- Ask questions, if there are any ...

Welcome at the IMS!