Computational Linguistics / NLP at Bachelor level at MFF

current situation (last cohort of students 2018/19)

- 3 different BSc programmes, ECTs credit system:
- General Computer Science, with 3 specialisations:
  - Algorithms and Optimization
  - Discrete Models and Structures
  - Computational Linguistics

    one examination area for state exams

    possibility to supervise bachelor theses

    just 2 courses:
    - Introduction to Machine Learning (Bára Hladká, Martin Holub)
    - Introduction to Computer Linguistics (Vláďa Kuboň)
- Programming and Software systems (only in Czech)
- Software and Data Engineering (only in Czech)

Computational Linguistics / NLP at Bachelor level at MFF

new accreditation (from 2019/20)

- only one BSc programme in Computer Science
- 5 specializations:
  - General Computer Science
  - Programming and Software Development
  - System Programming
  - Databases and Web
  - Artificial Intelligence
  - Computer Graphics, Games Development and Visual Computing
- 180 ECTS in total, 81 common ECTS to all specializations
- at least 40 ECTS and at most 81 ECTS for a specialization

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- responsible teacher: Ondřej Čepek

Mathematics

- less maths in courses common to all specializations
- Mathematical Analysis (Calculus) I – move to 2nd semester
- Statistics and Probability – newly designed and taught by KAM (? Robert Šámal)
- Combinatorics and Graph Theory I – newly designed

Programming and Computer Science

- NEW – „basic programming literacy“ (intro to everything) (incl. SW engineering – subversion, Github, sharing extensive codes, …)
- NEW – intro to algorithmization (intro to Programming, ADS)
- Python as first programming language
- later intro to C+, C#, C++, Java (based on specialization)

Computational Linguistics / NLP at Bachelor level at MFF

specialization: Artificial Inteligence

responsible teacher: Roman Barták

- Artificial Inteligence
- Robotics
- NLP

NLP courses:

- Intro to Computer Linguistics (Vláďa Kuboň) … 2/0 (Y3 W)
- Intro to Machine Learning (Bára Hladká, Martin Holub) … 2/2 (Y3 W)
- Text Processing in UNIX (Zdeněk Žabokrtský, Ruda Rosa) … 0/2 (Y3 W)
- NEW – Natural Language Processing (Zdeněk Žabokrtský and others) … 2/1 (Y3 S) … „flag ship“
- Competing in Machine Translation (Ondřej Bojar) … 0/2 (winter)
- NEW – Dialogue Systems (Ondřej Dušek, Honza Cuřín) … 2/2 Z (year 3 summer)