Dynamic Epistemic Logic

0. Organization

Albert-Ludwigs-Universität Freiburg

Bernhard Nebel and Robert Mattmüller
April 24th, 2019

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Coordinates
Rules

About the course

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People

Lecturers
Dr. Robert Mattmüller
■ Email: mttmuel@informatik.uni-freiburg.de
■ Office: room 052-00-042
■ Consultation: by appointment

Prof. Dr. Bernhard Nebel
■ Email: nebel@informatik.uni-freiburg.de
■ Office: room 052-00-029
■ Consultation: Wednesday, 12:00-13:00, and by appointment

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Exercises
Thorsten Engesser
■ Email: engesser@cs.uni-freiburg.de
■ Office: room 052-00-041
■ Consultation: by appointment

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Time and Place

Lectures
- **Time:** Monday 16:15-18:00, Wednesday 16:15-17:00
- **Place:** building 101, seminar room 00-010/014

Exercises
- **Time:** Wednesday 17:15-18:00
- **Place:** building 101, seminar room 00-010/014

Teaching Materials

- No script, but these slides available on the web
  (slides are in preparation; occasionally, we may resort to the black board instead ...)
- First half of the semester:
  H. van Ditmarsch, W. van der Hoek, and B. Kooi.
  *Dynamic Epistemic Logic.*
  - Three hard copies in Faculty of Engineering library, *Frei 91: SB/D.1/58.*
  - Electronic full-text with university licence (three copies),
- Second half of the semester:
  Selected journal articles and conference papers.
  Additional resources: ask us!

Website

Course Website
[http://gki.informatik.uni-freiburg.de/teaching/ss19/del/](http://gki.informatik.uni-freiburg.de/teaching/ss19/del/)
- **Main page:** course description
- **Lecture page:** slides
- **Exercise page:** assignments

Acknowledgments:
- Slides based on lecture notes (from WS 2016/2017) by Raivi Isufaj.
Target Audience

Students of Computer Science:
- Master of Science, any year
- Bachelor of Science, ∼3rd year

Other Students:
- Advanced study period (∼4th year)

Prerequisites

Course prerequisites:
- Propositional logic: syntax and semantics
- Mathematics: familiarity with mathematical reasoning, proofs, etc.

Credit Points and Exam

- 6 ECTS points
- Special lecture in specialization field
  Cognitive Technical Systems
- Oral exam of about 30 minutes for computer science
  B.Sc. students
- Written or oral exam for M.Sc. students and students in
  study programs other than computer science (likely oral)

Exercises

Exercises (written assignments):
- Handed out once a week
- Due one week later, before the lecture
- Discussed in the next exercise session
- May be solved in groups of two students
Admission to Exam

You can take the exam **without any prerequisite!** However, you also have to acquire a **Studienleistung:**

- Points can be earned for "reasonable" solutions to exercises and programming assignments.
- At least **50%** of points prerequisite for acquiring the Studienleistung.

Plagiarism

**What is plagiarism?**

- Passing off solutions as your own that are not based on your ideas (work of other students, Internet, books, ...)
- [http://en.wikipedia.org/wiki/Plagiarism](http://en.wikipedia.org/wiki/Plagiarism) is a good intro

**Consequence: no Studienleistung!**

- We may (!) be generous on first offense.
- Don’t tell us “We did the work together.”
- Don’t tell us “I did not know this was not allowed.”