



# Methods of AI

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Practice Session 1  
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# Organization

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- Features of course

- This course is not obligatory but optional compulsory
- 8 ECTS
- Intended language: English
- Intended audience: Cognitive Science Bachelor students
- Time practice session: Fr 12 am – 2 pm
- Room: 41/112
- Tutorials
  - Thu 12 am – 2 pm, Rooms will be specified by an e-mail
  - We 2 pm – 4 pm, Rooms will be specified by an e-mail



# Organization

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- Different priorities of studying AI in Osnabrueck
  - Programming
    - Programming in Logic
    - Functional Programming
    - Constraint Logic Programming
  - Adaptive Systems
    - Cognitive HCI
    - Multi-Agent systems
    - Machine Learning
  - Representation
    - Knowledge representation
    - Inferences
    - Selected topics of AI



# Organization

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- Relations between AI and other disciplines of our program
  - Cognitive psychology
    - Examples of courses: Cognitive modeling I and II, Concepts and Knowledge representation (Master)
  - Computational linguistics
    - Examples of courses: Representation and processing of linguistic form, Semantics and Discourse
  - Cognitive Philosophy
    - Examples of courses: Foundations of Logic, Foundations of Logic II, Philosophical foundations of New AI (Andy Clark seminar in the winter term 01/02)



# Organization

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- Further relations
  - Mathematics
    - Mathematical methods are essential tools of AI models
  - Computer Science
    - Implementations are direct applications of AI algorithms
    - Programming skills are prerequisites to apply theoretical results of AI
  - Neurosciences
    - Neurosciences are sometimes seen as a part of AI



# Organization

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- Requirements to earn ECTS credits for this course
  - Written assignments (homework), 10 assignments in total
    - Worth 35% of grade
  - Programming assignments, 3 assignments in total
    - Worth 25% of grade
  - In-class midterm examination
    - Worth 15% of grade
  - In-class final examination
    - Worth 25% of grade



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- It is recommended though not required to submit written exercises using LATEX
  - You learn something for your whole life
- The programming language used in the programming assignments is PROLOG
  - Exceptions exist: JAVA is allowed in the case you never had an introduction to PROLOG
- Submission of assignments
  - We will discuss the assignments on Fridays in the practice sessions. Deadline: the following Friday



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- Grades
  - Group work is allowed to prepare assignments
    - Maximal number of members of a group: 2
  - Late submission of assignments is not allowed in general
    - Exceptions do exist
  - To pass this course: at least 50% of the credit points in the assignment blocks and at least grade E in the midterm as well as in the final exam



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- More about grades
  - The in-class examinations will be computer-based tests
  - The final examination will cover the topics of the whole semester
  - Regulations, form, duration etc. of the midterm and final examination will be provided in sessions during the semester
  - More details concerning the grading assessment can be found in the syllabus



# Organization

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- The MVC
  - <http://tom.cl-ki.uni-osnabrueck.de/mvc/>
    - Type in your username from your RZ-account
    - Select „ki\_2002“
    - Password: „add\_myself“
    - Add your name and your RZ e-mail account
    - Click on NEW\_USER
    - You will receive an e-mail with a new password
    - Use this password to log in
  - Send an e-mail to the tutor offering a tutorial at your preferred time slot



# Organization

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- More about the MVC
  - Usage
    - The MVC is used to submit programming assignments and to write in-class examinations
    - Other usages are possible
  - If there are any problems with the MVC tool, please contact your tutor



# Organization

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- More information will be found on the web soon
- Are there any further questions?