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People & Coordinates

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People & Coordinates

| A1. Organizational Matters | | Target Audience | & Rules |
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A1. Organizational Matters
Prerequisites

prerequisites:

- general computer science background: good knowledge of
 - algorithms and data structures
 - complexity theory
 - mathematical logic
 - programming
- background in Artificial Intelligence:
 - ► Foundations of Artificial Intelligence course (13548)
 - in particular chapters on state-space search

Gaps?

 \rightsquigarrow talk to us to discuss a self-study plan to catch up

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Target Audience

target audience:

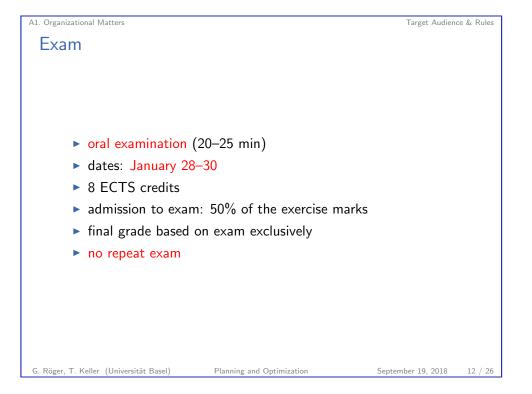
- ► M.Sc. Computer Science/Informatik
 - "new" degree, Major in Machine Intelligence: module Concepts of Machine Intelligence
 - "new" degree, Major in Distributed Systems: module Applications of Distributed Systems
 - "old" degree: module Kerninformatik (core)
- M.A. Computer Science ("Master-Studienfach") module Concepts of Machine Intelligence
- other students welcome

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Target Audience & Rules



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Exercise Sheets

exercise sheets (homework assignments):

- solved in groups of at most three (3 < 4), submitted via Courses
- project-oriented assignments
 - each exercise sheet covers one part of the lecture
 - substantial in scope ~> don't start too late
 - handed out at beginning of each part
 - work on these while we cover this part in the lecture
 - due six days after the end of the part
 - scope and marks proportional to covered topics
- mixture of theory, programming and experiments
- ▶ research aspects ~→ be independent, but ask questions!

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exercise sessions:

- discuss past homework assignments
- ask questions about current assignments (and course)
- work on homework assignments
- sometimes live exercises

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Programming Exercises

programming exercises:

- part of regular assignments
- solutions that obviously do not work: 0 marks
- ► work with existing C++ and Python code
- Linux (other operating systems: vagrant virtual machine)

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pull from Mercurial (hg) repository

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Plagiarism

Plagiarism (Wikipedia)

Plagiarism is the "wrongful appropriation" and "stealing and publication" of another author's "language, thoughts, ideas, or expressions" and the representation of them as one's own original work.

consequences:

- O marks for the exercise sheet (first time)
- exclusion from exam (second time)

if in doubt: check with us what is (and isn't) OK before submitting exercises too difficult? we are happy to help!

Target Audience & Rules

| A1. Organizational Matters | | Cour | se Content |
|---|---------------------------|--------------------|------------|
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| A1.3 Course | Content | | |
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Learning Objectives

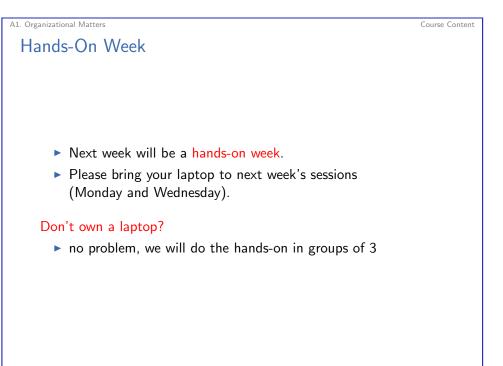
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Learning Objectives

- get to know theoretical and algorithmic foundations of classical & probabilistic planning as well as practical implementation
- understand fundamental concepts underlying modern planning algorithms and theoretical relationships that connect them
- become equipped to understand research papers and conduct projects in this area

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Today's Exercise Session

- To make the hands-on week work smoothly, we try to work out compilation issues etc. today in the exercise session.
- The goal of today's exercise session is that you can run the examples of today's lecture on your own machine.
- The following slide contains the main information for today's setup for your future reference.
- ▶ In any case, please complete the setup before next Monday.

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▶ We are happy to help you if you run into problems.

Your First Tasks (1) - using vagrant

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| Assumption: | virtual box, vagrant, X server and SSH client available console in new directory, containing file Vagrantfile |
|------------------------------|---|
| Getting Star Set up virtu | ted: Setting up virtual machine al machine: |
| vagrant up | |
| Login: | |
| vagrant ss | sh |
| Enter demo | directory: |
| cd planopt | -hs18/classical/demo |

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Course Content

Your First Tasks (1) – on Ubuntu

Getting Started: Cloning the Repository Install mercurial (if not already installed): sudo apt install mercurial Clone the course repository: hg clone https://bitbucket.org/aibasel/planopt-hs18 Enter demo directory: cd planopt-hs18/classical/demo

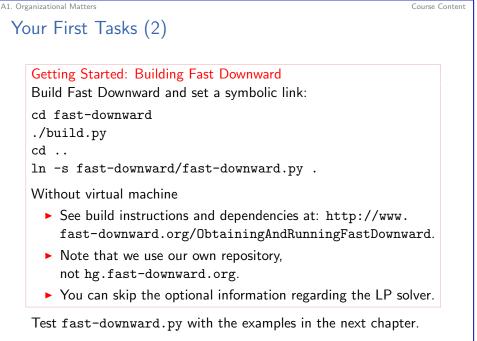
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Course Content



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