AI for Robotics

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Course information

- Schedule:

  Class: Tuesday, 09:00 – 10:30, room C 175
  Labclass: Tuesday, 10:45 – 12:15, room C 175

- Consultation hours: Tuesday 18:00 – 19:00

- Textbook: Russel & Norvig: “AI – a modern approach”

Homework, Exams

Homework

1. Please, find the weekly assignments in LEA.
2. In addition to the weekly assignments you have to formulate three technical questions regarding the overall concepts taught in the last class (“big picture!”), which show, that you have studied the material presented there in detail.
3. Upload results of weekly assignment including the three questions to LEA at 20:00 hrs on the day before the next class.
4. Overall performance in delivering homework will be graded

Exam

1. Oral
2. final grade = max (0,3* grade(homework) + 0,7*grade(exam), grade(exam))

Course content

II. Problem-solving

- Solving Problems by Searching
- Informed Search and Exploration
- Constraint Satisfaction Problems
- Adversial Search

III. Knowledge and Reasoning

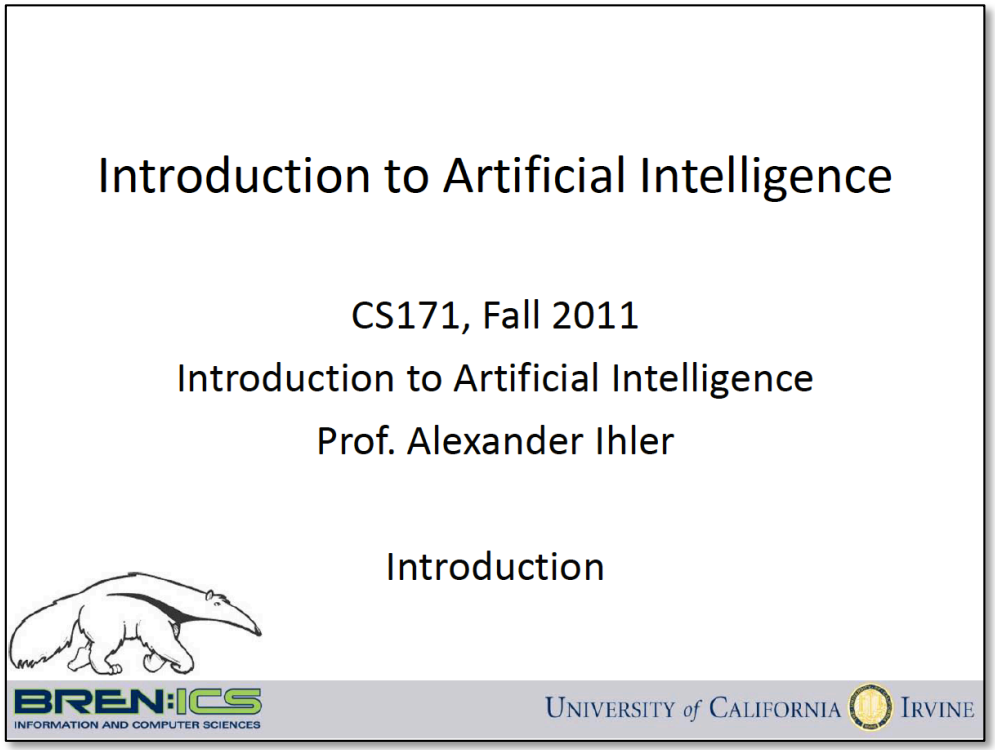
- Logical Agents
- First-Order Logic
- Inference in FOL
- Knowledge Representation

Course material

- We found 32 courses “Introduction to Artificial Intelligence in the Internet, which offer open source teaching material. Most of them are based on the original slide set provided by Russel & Norvig.
- We refrained from adding a 33th one.
- We chose the two which we liked most.
- 99% of a slide material is take form these courses.

Course material

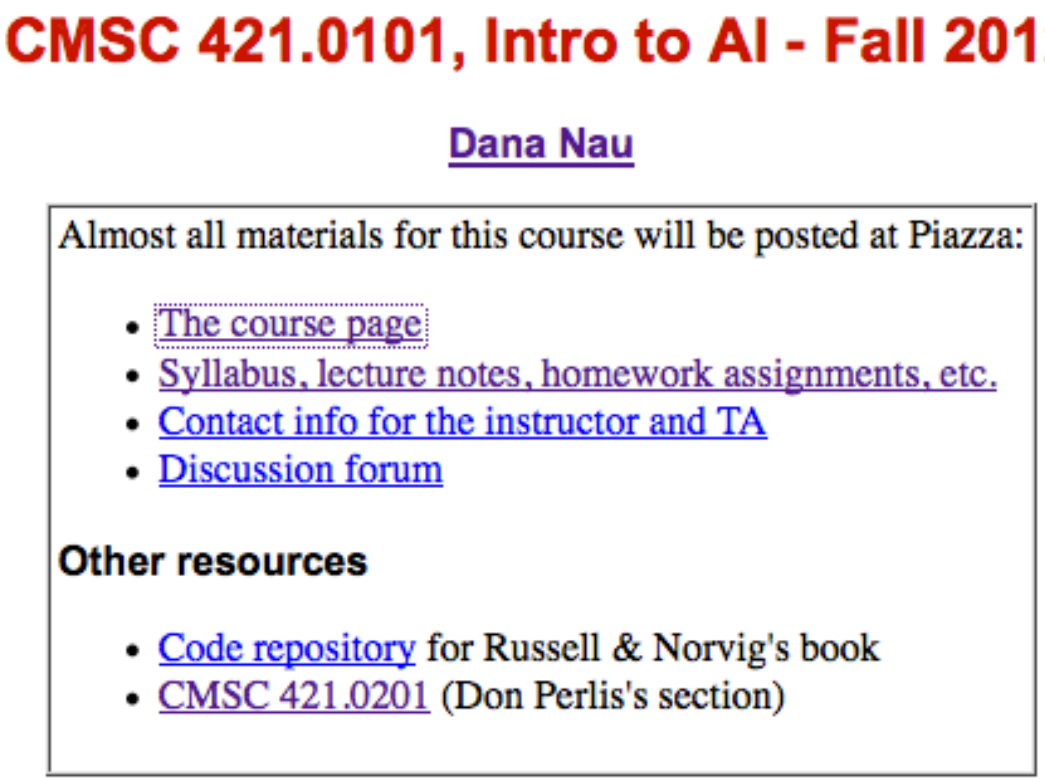
- This one of the two which we liked most. It has very nice slides.



- As if this was not enough the lecture is recorded at http://sli.ics.uci.edu/Classes/2011F-171

Course material

- … and that is the other one



CMSC 421.0101, Intro to AI - Fall 2012

Dana Nau

Almost all materials for this course will be posted at Piazza:

- The course page
- Syllabus, lecture notes, homework assignments, etc.
- Contact info for the instructor and TA
- Discussion forum

Other resources

- Code repository for Russell & Norvig's book
- CMSC 421.0201 (Don Perlis's section)

- http://www.cs.umd.edu/~nau/