Foundations of Artificial Intelligence

Lecturer: Kan Min-Yen

Thursdays, 10:00 – 12:00

LT 19
Outline for today

- Introduction to Artificial Intelligence
- Course administration
- Intelligent Agents
Course administration

- Teaching staff
- Web sites
- Objective
- Syllabus
- Assessment overview

Any questions?
Teaching staff

- Lecturer:
  Min-Yen Kan (“Min”)
  kanmy@comp.nus.edu.sg
  Office: AS6 05-12
  6516-1885
  Hours: 16:00 – 18:00
  Thursday, or by appointment

- Hobbies:
  rock climbing, ballroom dancing, and inline skating…
Teaching Assistant

- NG Jun Ping

- Office Hours and venue: TBA
Course web sites

http://www.comp.nus.edu.sg/~cs3243
○ Lecture, Tutorials, Notes, and Homework
○ Other supplementary content

http://ivle.nus.edu.sg/
○ Discussion forum
  ● Any questions related to the course should be raised on this forum
  ● Emails to me and Jun Ping considered public unless otherwise specified
○ Announcements
○ Homework submissions
Objective

- Understand the essential concepts of Artificial Intelligence. These basic concepts include search and knowledge representation, logic and game playing.
  - Students will also get a preview of at least one advanced area of AI in a self-selected, advanced lecture.

Who?
- Undergraduates and beginning graduate students. Centered towards IS/CS or by permission.
Readings

- Required textbook:

  “Just terrific” – Prof. Brewka

  “… a major step forward ... For the unified veiw of the field that this book introduces. Even for the experts in the field, there are important insights in almost every chapter” – Prof. Dietterich

  “Worth every penny! Recent advances covered in the advanced chapter” – (me!)
Discussion

Tutorial participation is very important. There are no “dumb” questions. You will only be penalized for not asking questions / not giving comments.

Possibilities:
- Name tags
- Cold calls
- Small group discussion and presentation
Assessment overview

- **Homework #1**  
  Out: 26 Aug, Due: after mid-sem break, 30 Sep
  20%

- **Midterm**  
  16 Sep
  20%

- **Homework #2**  
  Out: 7 Oct, Due: 4 Nov
  20%

- **Final Exam**  
  23 Nov
  40%
Freedom of information rule

- Collaboration is acceptable and encouraged

- To assure that all collaboration is on the level, you must always write the name(s) of your collaborators on your assignment.

- You will be assessed for the parts for which you claim is your own contribution.
Facebook rule

- You are free to meet with fellow students(s) and discuss assignments with them.

- Writing on a board or shared piece of paper is acceptable during the meeting; however, you may not take any written (electronic or otherwise) record away from the meeting.

- After the meeting, do something else for at least a half-hour (troll Facebook for things to read and reply to), before working on the assignment.

  This will assure that you are able to reconstruct what you learned from the meeting, by yourself, using your own brain.