Foundations of Artificial Intelligence

Lecturer: Kan Min-Yen
Wednesdays, 4:00 – 6:00 pm
LT 33
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”)
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Office: S15 05-05
6875-1885
Hours: <TBA>
Hobbies:
rock climbing, ballroom dancing, and inline skating…

Lost in Hakodate, Japan
Course web sites

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

http://ivle.nus.edu.sg/
- Discussion forum
  - Any questions related to the course should be raised on this forum
  - Please do not send emails except urgent or personal matters
- 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 view 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 / or giving comments.

Possibilities:

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

- **Homework #1 (Individual)** 15%
  4 Feb
- **Midterm** 25%
  11 Feb
- **Homework #2 (Team)** 20%
  10 Mar
- **Final Exam** 40%
  24 Apr
Freedom of information rule

- Collaboration is acceptable

- 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.
Gilligan’s Island rule

- You are free to meet with fellow student(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 (watch an episode of *Gilligan's Island*), 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.**