The course will cover the basic concepts of artificial intelligence in a lecture format. There will be 6-8 problem sets that will be an even mix of problem solving and programming. Students must be able to program with basic data structures, such as lists and trees, as taught in the prerequisite courses.

Grading

Homework: 30%; Midterm: 30%; Final: 40%.

- No working together on homework.
- No late homework.
- No books or notes in exams.

Syllabus

1. Intelligent agents (2 weeks)
2. Heuristic search (2 weeks)
3. Knowledge and deduction (5 weeks)
4. Uncertain reasoning (1 week)
5. Learning (2 weeks)
6. Robotics (2 weeks)