1 Instructor

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Class Room: ECS 134

2 Office Hours

Monday 15:30-16:30 Other times by prior appointment (please call or send e-mail)

3 Textbook


4 Objectives

This course is to study the basic principles and techniques of expert system. Basic issues underlying the representation of knowledge, logical inference, and the management of uncertainty will be discussed. CLIPS expert system tool will be used in this course to develop expert system programming assignments.

5 Syllabus

This course
- Introduction (Ch. 1) and CLIPS
- The representation of Knowledge (Ch. 2) and CLIPS
- Methods of Inference (Ch. 3) and CLIPS
- Reasoning Under Uncertainty (Ch. 4) and CLIPS
- Inexact Reasoning (Ch. 5) and CLIPS
- Design of Expert Systems (Ch. 6)
- Software Agent

6 Grading Policy

Midterm: 20%
Final: 25%
Homework and Programming Assignments: 30%
Final Project: 20%
Class participation: 5%
7 Notes

- No late homeworks will be accepted, and no make-up for the mid-term exam will be given unless student can provide proof(s).
- Each student should complete his/her assignments and programming projects independently.
- Students are expected to attend all the classes. Your class participation score will be partially determined by this factor.