1 Instructor

Professor: Dr. Shu-Ching Chen  
Office: ECS 362, 348-3480  
E-mail: chens@cs.fiu.edu  
Room and Time: ECS 138, Monday/Wednesday 17:00 p.m. – 18:15 p.m.

2 Office Hours

Monday 14:30-15:30 Other times by prior appointment (please call or send e-mail)

3 Textbook


4 Course Description

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 Course Objectives

After the students successfully finish this course, they should have a better understanding of the issues and techniques for expert system. They should also be familiar with expert system programming to develop expert systems.

6 Topics

- 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
7 Grading Policy

- Midterm Examinations 25%
- Final Examinations 35%
- Programming Assignments 40%
- Grading standards to be used in calculating final grades: The final grade will be based on the student’s performance in Midterm, Final, and Programming projects.

8 Notes

- No late assignments will be accepted, and no make-up for the exam will be given unless student can provide proof(s).
- Each student should complete his/her assignments independently.
- Students should attend all the classes.
- Academic misconduct will not be tolerated by the University, nor will it be tolerated in the classroom.
- On November 28, 2001, Student Government Council voted to endorse a Code of Academic Integrity:
  “Florida International University is a community dedicated to generating and imparting knowledge through excellent teaching and research, the rigorous and respectful exchange of ideas and community service. All students should respect the right of others to have an equitable opportunity to learn and honestly to demonstrate the quality of their learning. Therefore, all students are expected to adhere to a standard of academic conduct, which demonstrates respect for themselves, their fellow students, and the educational mission of the University.”