Class meetings  section 010: MWF 11:00–11:50 in MCS 112

Instructor  Rob LeGrand  e-mail: rlegrand@angelo.edu  
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office location: MCS 205I  
office hours: MTWRF 2:00–4:00 and by appointment


Catalog description  Fundamental concepts and techniques of intelligent systems; representation and interpretation of knowledge on a computer; search strategies and control.

Prerequisites  CS 2336 (Data Structures and Algorithms) and senior standing are prerequisites for this course. Please see me if you haven’t taken CS 2336 or if you’re unsure about your proficiency in data structures.

Grading breakdown  
50% homework/quizzes/projects/challenges
25% midterm exams (three or four)
25% final project

Student learning outcomes  After successful completion of this course, students will demonstrate an understanding of
• agent-based AI architectures.
• various searching algorithms commonly used in artificial intelligence software.
• adversarial search and game-playing agents.
• logic-based agents.
• machine learning.

Class format  This class will usually have a lecture/discussion format, with homework and programming assignments done primarily outside of class. It is very important that you do all assigned reading before class and come with relevant questions. There may be in-class quizzes over reading and lecture material.

You will generally be asked to work individually on assignments. Discussion and giving and receiving help are generally encouraged when working on assignments, but you must list everyone you worked with on each assignment. Failure to do so is considered taking credit for work not done and thus cheating. Exams, which may be in-class or take-home, must be completed entirely independently.
Assignments may consist of homework problem sets, programming projects and “agent challenges”. In each agent challenge, you will program an agent that will compete against (and perhaps cooperate with) other students’ agents on some task. Each agent challenge may have several iterations.

Attendance is important and expected. You are responsible for the content of each class meeting. You have a duty to inform me as soon as you know that you’ll have to miss a class.

Instead of a comprehensive final exam at the end of the semester, we will have a final project. I will suggest ideas for projects and approve project proposals sometime in the second half of the semester. Project demos/presentations will be scheduled for the last regular week of classes.

Blackboard (http://blackboard.angelo.edu/) will be used to keep track of grades and assignments.

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<td>introduction to artificial intelligence</td>
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<td>January 23rd</td>
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<td>April 29th</td>
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Final exam: The final exam for this course is scheduled for Wednesday, May 8th, 10:30–12:30. Since there will be no final exam, we will use this time for late demos of final projects.

Academic honesty: Angelo State University expects its students to maintain complete honesty and integrity in their academic pursuits. By remaining enrolled in this course you agree to adhere to the Academic Honor Code, which is contained in both print and web versions of the Student Handbook.

Accommodations: Persons with disabilities which may warrant academic accommodations must contact Student Services in order to request and to implement academic accommodations. For ASU’s policy on absences due to religious holy days, please see OP 10.19 at http://www.angelo.edu/opmanual/.