Foundations of Artificial Intelligence
Summer 2017

Overview

This course provides an overview of the field of Artificial Intelligence: foundations of symbolic intelligent systems, search, logic, knowledge representation, planning, learning. The syllabus is subject to change at the discretion of the course professor.

Prerequisite

Recommended preparation: good programming and algorithm analysis skills.

Lectures

4:00pm - 6:30pm on Tuesday/Thursday in OHE122

Exams

4:00pm - 5:20pm on June 8, June 29, and July 25.

Textbook

Stuart Russell and Peter Norvig, *Artificial Intelligence: A Modern Approach, 3rd Edition*

See also http://aima.cs.berkeley.edu/ for additional resources including

Code http://aima.cs.berkeley.edu/code.html

Demos http://aima.cs.berkeley.edu/demos.html

Professor

Sheila Tejada, PhD (stejada@usc.edu)

Teaching Assistants

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Office Hours

Sheila Tejada:

After lecture & by appointment (SAL 316)

Skype ID: sheilatejada

TAs' office hours: TBA

Grading

Grades for this course will be based on performance on homework and exams.

Participation: 10%

Homework 1: 5%

Homework 2: 10%

Homework 3: 10%

Exam 1: 20%

Exam 2: 20%

Final: 25%

Based on previous semesters, we expect that letter grades for this course will follow this scale. The grading scheme may change. Final letter grades for this course are entirely at the discretion of the course professors.

85% or higher : A

80-85% : A-

75-80% : B+

70-75% : B

65-70 : B-

60-65% : C+

55-60% : C

50-55% : C-

Reading Assignments

Readings from the book contain theoretical concepts, examples and usable code that will be very helpful for all the work in this course.

Homework Assignments

There will be three homework assignments, which may consist of programming problems, open-ended essay questions, and questions representative of those that will appear on course exams. Programming problems may require the use of a specific programming language.

Course Exams

There will be three in-class exams for this course, covering material presented in course lectures, homework assignments, and assigned readings.

Learning Management System

This course will make extensive use of the online learning management system, DEN@Viterbi (https://courses.uscden.net/d2l/login)

Statement for Students with Disabilities

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to me or the TA as early in the semester as possible. DSP is located in STU 301 and is open 8:30 a.m. – 5:00 p.m., Monday through Friday. The phone number for DSP is (213) 740-0776.

Statement on Academic Integrity

USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one's own academic work from misuse by others as well as to avoid using another's work as one's own. All students are expected to understand and abide by these principles. The Student Guidebook, SCampus (http://scampus.usc.edu/), contains the University Student Conduct Code (see University Governance, Section 11.00), while the recommended sanctions are located in Appendix A.

Emergency Preparedness/Course Continuity in a Crisis

In case of a declared emergency if travel to campus is not feasible, USC executive leadership will announce an electronic way for instructors to teach students in their residence halls or homes using a combination of DEN@USC, teleconferencing, and other technologies. See the USC website (http://preparedness.usc.edu/).