Dartmouth CS 76: Artificial Intelligence

News

- February 25. Viterbi assignment out. Due Wednesday, March 7.
- February 17. Constraint satisfaction assignment out. Map-coloring and circuit-board due Friday, February 24. CS 1 section assignment due Monday, February 27.

About the course

Welcome! This is the webpage for CS 76, Winter 2011. The course is a fast-paced, hands-on, and rigorous introduction to tools and techniques that are broadly classified as artificial intelligence. The basis for the course is the third edition of the "Artificial Intelligence: A Modern Approach" by Russell and Norvig. This text is required, and is available from Wheelock Books, among other sources. We'll cover chapters 1-9, 13-15, 18, and 20. We'll also read papers that will be distributed in class or linked off this page.

Most assignments will ask you to implement algorithms we discuss in class to solve AI problems. Python is the default language.

Professor

Devin Balkcom
Office: 211 Sudikoff
devin@cs.dartmouth.edu

Office hours are:

- M 10 am - 12 pm
- W 3 pm - 4 pm
- F 3 pm - 4 pm

Prerequisites

This course has one prerequisite:

- Experience in some programming language, equivalent to CS 8 or CS 10.

Assignments will be written in the Python programming language; even if you have not written Python code before, you should be able to pick it up quickly.

Lectures

- **Location**: Life Sciences Center, room 205
- **Times**: 2: MWF 1:45-2:50 pm

Grading

- Assignments: 80%
- Quizzes, participation, in-class discussion: 20%

There is no fixed scale for assigning letter grades. Expect the median grade for the class to be a B or B+. Assignments will be graded on a scale of 1-20, scaled so that a score of 10 roughly corresponds to a median grade. Not all assignments will be weighted equally.

Assignment requirements

- We will use svn for all assignment submissions.
- Written work should be submitted as latex .tex documents **and** pdf.
- Code should be submitted as Python source code.

Late policy

- Any assignment handed in more than three days after the deadline will receive no credit.
- The first assignment handed in after the deadline but three or fewer days after the deadline will be graded with no penalty.
- The second assignment handed in after the deadline but three or fewer days after the deadline will be graded with a 50% penalty. Late assignments beyond the second will receive no credit.

Honor Principle

You may discuss homework with other students at a high level, but should never look at or copy another student's written work. You should never under any circumstances turn in homework that is a duplication or partial duplication of another student's solution. You must also credit other students you have talked with, or any other sources.

Religious observances

Some students may wish to take part in religious observances that occur during this academic term. If you have a religious observance that conflicts with your participation in the course, please meet with me before the end of the second week of the term to discuss appropriate accommodations.

Disabilities

I encourage students with disabilities, including "invisible" disabilities such as chronic diseases and learning disabilities, to discuss with me after class or during my office hours appropriate accommodations that might be helpful to you.

Students with disabilities enrolled in this course and who may need disability-related classroom accommodations are encouraged to make an appointment to see me before the end of the second week of the term. All discussions will remain confidential, although the Student Accessibility Services office may be consulted to discuss appropriate implementation of any accommodation requested.