

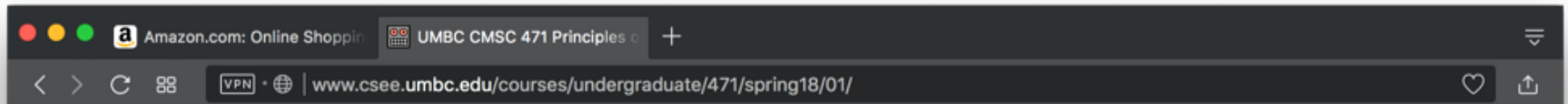
CMSC 471
Introduction to
Artificial Intelligence
section 1
Course Overview

Spring 2018

Today's class

- Course overview
- Introduction
 - Brief history of AI
 - What *is* AI? (and why is it so interesting?)
 - What's the state of AI now?

<http://bit.ly/471s18>



UMBC CMSC 471 (01) Spring 2018

Introduction to Artificial Intelligence

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This course provides a general introduction to Artificial Intelligence concepts and techniques. We will cover a good part of the material in our text, [Artificial Intelligence: A Modern Approach](#) by Stuart Russell and Peter Norvig, including the agent paradigm in AI systems, problem solving, search, game playing, knowledge representation and reasoning, natural language processing, planning, machine learning and philosophical issues.

See the [about 471](#) page and the [schedule](#) for a more detailed breakdown but be aware that the order and timing is subject to change.

When and Where

AI News

[The Machines of Walmart Have Had a Banner Year](#)

Jan 7, 2018 22:15
www.technologyreview.com

[DeepMind's Cofounder Thinks AI](#)

Homework and grading policies

- Six to eight quizzes based on readings
- Six to eight homework assignments (mix of written and programming)
 - One-time extensions of up to a week may be granted ***if requested in advance***
 - Last-minute requests for extensions probably will not be granted
- ***Do the reading before each class!***

Programming

- Programming assignments in Python
 - We'll use Python in the notes and examples
 - This is a good chance for you to learn Python
- We'll use GitHub to share code, Jupyter notebooks and for HW submission
- Some assignments may require using other systems
 - E.g., C5 decision tree learning system, Weka Machine learning environments

Exams

- Midterm exam
 - In class in mid October
 - About 15% of grade
- Final exam
 - At regularly scheduled time
 - About 25% of grade
 - Comprehensive, but with an emphasis on the last half of material (e.g., 30/70 split)

Instructor availability

1. Professor Finin, finin@umbc.edu
 - Office hours: by arrangement
 - Drop in whenever my door is open
 - Direct general questions to Piazza first
 - We will try to respond to discussion list postings within 24 hours
- TA: Muhammad Mahbubur Rahman
 - mrahman1@umbc.edu,
 - ITE 331
 - office hours tbd