

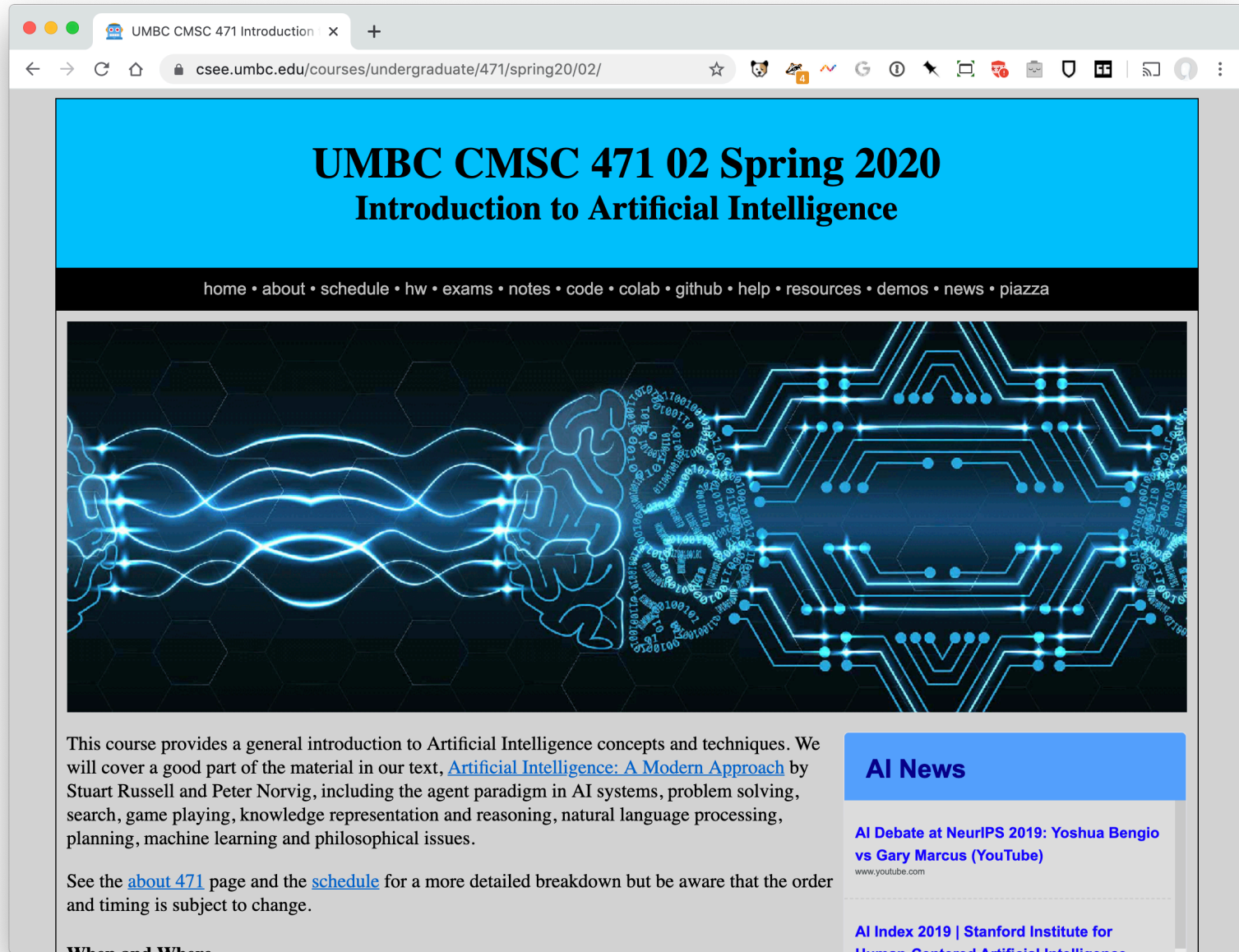
CMSC 471
Introduction to
Artificial Intelligence
section 1
Course Overview

Spring 2020

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/471s20>




UMBC CMSC 471 Introduction x +

csee.umbc.edu/courses/undergraduate/471/spring20/02/

UMBC CMSC 471 02 Spring 2020 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.

AI News

[AI Debate at NeurIPS 2019: Yoshua Bengio vs Gary Marcus \(YouTube\)](#)
www.youtube.com

[AI Index 2019 | Stanford Institute for Human-Centered Artificial Intelligence](#)

When and Where

Homework and grading policies

- Six to eight short 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 3 in the notes and examples
- 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: Pat Jenkins
patrick.jenkins213@gmail.com