

# CS4013/5013: Artificial Intelligence

Fall 2024

People	Name	Email	Office Hour	Location
Instructor	Chao Lan	clan@ou.edu	M 1:30-4pm	Zoom: 4053255735
TA	Michael Bartlett	michael@ou.edu	Tu 12pm-2:30pm	Zoom: 8595090947 PWD: 72481925
TA	Andrew Finley	andrew.j.finley-1@ou.edu	W 10:30am-12pm F 10:30-11:30am	DEH 115

## 1. Course Description

This course introduces some AI topics related to search, machine learning and responsible AI. A tentative schedule of the course is listed below.

Week 1	Introduction to AI
Week 2	Idealized Search
Week 3	
Week 4	Real-World Search
Week 5	
Week 6	Game Search
Week 7	Machine Learning Basic
Week 8	Traditional ML Methods
Week 9	
Week 10	Reinforcement Learning
Week 11	Deep Learning
Week 12	
Week 13	AI Applications
Week 14	
Week 15	Thanksgiving, No Class
Week 16	AI for Social Good

## 2. Main Reference

Artificial Intelligence: A Modern Approach, 4th US ed.

## 3. Assignment

Each assignment contains some programming tasks and/or theoretical tasks. Programming tasks must be done using Python; most theoretical tasks may be directly completed on Canvas.

---

### Late Submission Policy

After the deadline of an assignment, students can still submit the work for grading within a week with 25% penalty on the earned score. Submissions one week after the deadline will not be graded.

### Group Work and Use of AI tools

Students can collaborate on the assignments but need to clarify the collaborator in submission and be ready to independently defend their submitted answers upon request. Currently we do not have any restriction on the use of generative AI tools such as ChatGPT in completing assignments, but this may change during the semester to comply with any new university policy.

## **4. Exam**

This course has no exam.

## **5. Final Grade**

A student's final score will be the average of all assignment scores with the lowest one dropped. In general, a student gets A for earning 90+, B for 80+, C for 70+, D for 60+ and F for 60-.