CS 480

Introduction to Artificial Intelligence

January 11, 2022

Who am I and how to contact me?

- BSc in Automation in Robotics from AGH University of Science and Technology in Krakow, Poland

- MSc in Computer Science from IIT

- PhD in Computer Science from IIT

- Taught CS480 in Fall 2021

- E-mail: **dzikjac@iit.edu** (please read this: https://www.insidehighered.com/views/2015/04/16/advice-students-so-they-dont-sound-silly-emails-essay)

- **Add to email subject: [CS480 Spring 2022]**

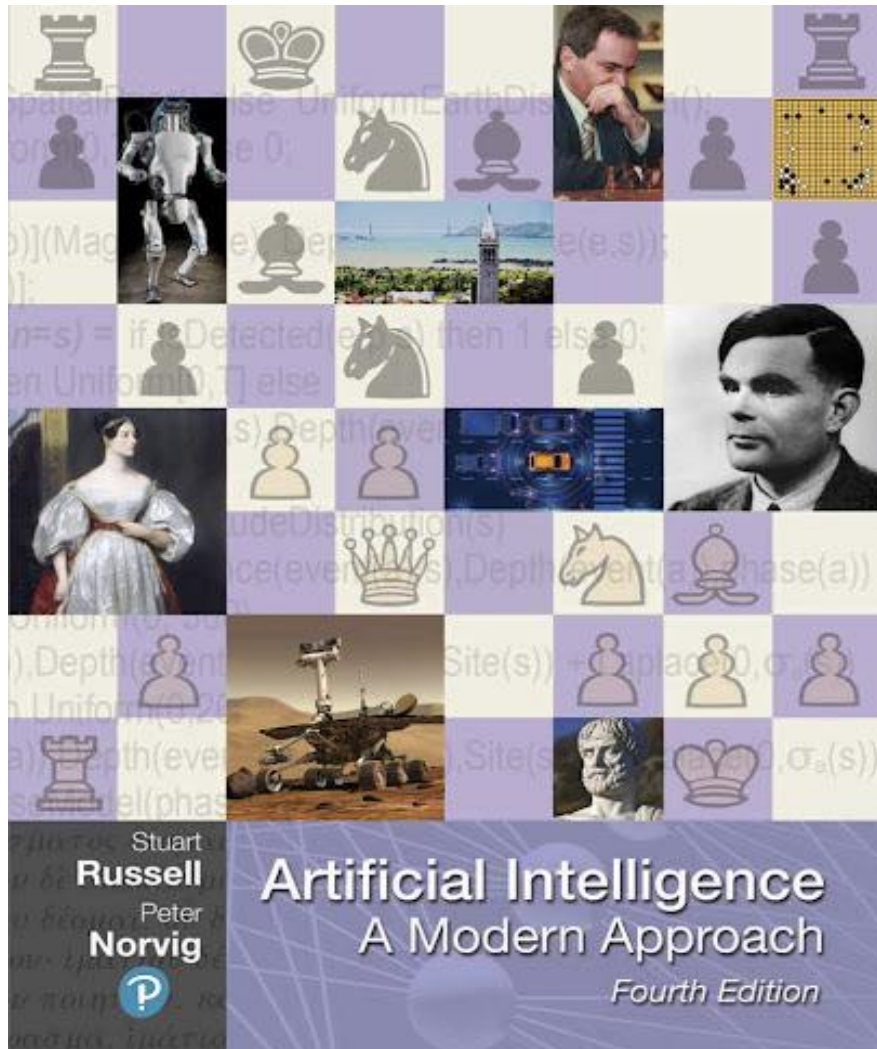- **Office: Stuart Building 217E**

- **Office hours: TBD**

Plan for Today

- **Introduction**

- **Syllabus**

- **NO office hours this week**

Course Communication / Materials

- Course materials will be available on Blackboard
- Quizzes - in Blackboard
- Communication - via Blackboard announcements

Textbook

Title:

Artificial Intelligence: A Modern Approach (4th Edition)

Authors:

Stuart Russell and Peter Norvig

ISBN:

9780134610993

Publisher:

Pearson

Published:

April 28th, 2020

Weekly Schedule and Tasks

Recurring meetings:

- Lectures (Tuesdays/Thursdays 01:50 PM - 03:05 PM CST) in PH 131 **[ONLINE ONLY until 01/24/2022]**

Weekly TO DO list:

- Possible reading and viewing (videos) assignments
- Written / programming assignments if any
- Possible quiz: in-class or as a homework (I will announce it earlier)

What Will You Use / Need?

- Blackboard
- Access to a computer with Python
- Decent math / statistics / programming skills
- Attend the class regularly
- Key CS skills:
    - **Data structures (trees, graphs, lists, etc.)**
    - **Recursion**
    - Object-oriented programming
- Problem-solving skills / Abstract thinking
- Curiosity and open mind
- Creativity

BEST JOBS
U.S.News & WORLD REPORT
2021

Software Developer

📒 #2 in 100 Best Jobs

Software developers need to be innovative, creative and, of course, technical in order to succeed in this field. They might write new code or fix bugs in code to make it work better. READ MORE »

PROJECTED JOBS
316,000

MEDIAN SALARY
$107,510

EDUCATION NEEDED
Bachelor's

Statistician

📒 #6 in 100 Best Jobs

Statistics is the science of using data to make decisions. This is relevant in almost all fields of work and there are many opportunities for employment. READ MORE »

PROJECTED JOBS
14,800

MEDIAN SALARY
$91,160

EDUCATION NEEDED
Master's

Data Scientist

📒 #8 in 100 Best Jobs

Data scientists use technology to glean insights from large amounts of data they collect. READ MORE »

PROJECTED JOBS
10,300

MEDIAN SALARY
$94,280

EDUCATION NEEDED
Bachelor's

Source: https://money.usnews.com/careers/best-jobs/rankings/the-100-best-jobs

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Teaching Assistants

Name	e-mail	Office hours
Amit Nikam	anikam@hawk.iit.edu	TBD

TAs will:

- assist you during labs,

- hold office hours to answer your questions,

- grade your lab work (**a specific TA will be assigned to you**).

Take advantage of their time and knowledge!

DO NOT email them with questions unrelated to lab grading.

Make time to meet them during their office hours.

Add a **[CS480 Spring 2022]** prefix to your email subject when contacting TAs, please.

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Let's go over the Syllabus now..