

5602207

Data Structure and Algorithm

CHUTIPORN ANUTARIYA

```
response = requests.get(url)
# checking response.status_code (if you
response.status_code != 200:
print(f"Status: {response.status_code}")
print(f"Status: {response.status_code}")
# using BeautifulSoup to parse the response
soup = BeautifulSoup(response.content, "html.parser")
# finding Post images in the soup
images = soup.find_all("img", attrs={"alt": "image"})
# downloading images
count = 0
for image in images:
```


Welcome to
the course!!



About the Instructor: Chutiporn Anutariya

Associate Professor

- Computer Science and Information Management Program
- Data Science and Artificial Intelligent Program
- ICT Department, School of Engineering and Technology, Asian Institute of Technology

Area of Interests:

- Applications of Data Science and AI
- Data Analytics and Business Informatics
- Smart Data and Smart Technologies

Contact: chutiporn@gmail.com

Office Hours:





About the course...

- In this class, you learn useful concepts and practices related to data processing with python.
- Important topics are:
 - Processing data with Python, Data Structures, SQL, Interfacing SQL databases with Python, Big Data, Text and multimedia databases, NoSQL, NoSQL with Python.

Teaching Assistant [TA]

The TA is responsible for:

- Helping you in-class, during lectures and labs
- Grading labs, assignments, homework
- Conducting some tutorials
- Helping students during the office hours

Evaluation Scheme

1. Lab Assignments & Project 25%
2. Mid-term Examination 35%
3. Final Examination 35%
4. Attendance and Participation 5%

Class Rules and Etiquette

Be on Time:

- Arrive on time for each class session. Late arrivals can disrupt the class and affect your understanding of the material.

Attendance:

- Attend all classes unless you have a valid reason for absence. Inform the instructor in advance if you know you will be absent.

Active Participation:

- Engage actively in class discussions and activities. Your participation helps you and your peers learn better.

Stay Focused:

- Avoid distractions such as using your phone or laptop for non-class-related activities during the session.

Submit on Time:

- Submit all assignments by the specified deadlines. Late submissions may not be accepted or could result in a penalty.

Academic Integrity:

- Ensure all your work is original and properly cited. Plagiarism and cheating are strictly prohibited.

Collaborate Effectively:

- When working in groups, contribute fairly and communicate effectively with your team members.

Seek Help:

- If you are struggling with the material, ask for help early. Utilize office hours, study groups, and other resources available.

Academic Integrity

- When you are working on an individual lab/assignment, you ***can*** . . .
 - Talk about ideas and techniques for solving the problem
 - Discuss the design/algorithm
 - Talk about the design/coding at a high-level
- But you ***cannot*** . . .
 - Share the design/code with each-other
 - Look at each other's code
 - Work on the individual assignment together, submit the same code

Rules and Regulations on AI Usage



THE USE OF GENERATIVE AI TOOLS IS STRICTLY PROHIBITED unless explicitly stated otherwise for certain specific assignments. If permitted, students must acknowledge and cite their use of AI appropriately.

Violations of this policy will be considered academic misconduct.



Course Outline and Schedule

[Refer to the shared Google Sheet]

Questions?

