COSC 1336
Computer Science and Programming

Fall 2024
Sections: 17408 & 18407

Instructor Information:

Instructor	Email	Office Location & Hours
Chang Yun	cyun@uh.edu	2:00-4:00PM W (Online)

Teaching Assistants	Email	Office Location & Hours
Alan Gregory	agregory3@uh.edu	12:00-1:00PM TTH
Ashish Job	akjob@uh.edu	4:00PM-6:00PM W
Vinh Nguyen	vnguyen87@uh.edu	11:00AM-1:00PM M (Mostly Online)
Edward Bou Khalil	erboukhalil@uh.edu	11:00AM-1:00PM W
Vishu Kodikanti	vkodikanti2@uh.edu	6:00-8:00PM F (Online)
Chelsea Nguyen	cknguyen19@uh.edu	4:00-6:00PM M

General Information:

Room
Philip G. Hoffman (PGH-232) *
* Will be offered as an online class using Microsoft Teams when necessary

Time
Tuesdays and Thursdays, 1:00-2:30PM (**Section Number: 17408**)
Tuesdays and Thursdays, 2:30-4:00PM (**Section Number: 18407**)

Course Description and Objectives:

Introduction to problem solving through computer programming. Students will learn the fundamental principles of computer science, basic hardware and software components of a computer system, computational thinking, basic algorithms, and programming concepts. Students will get hands-on experience in problem solving by designing, writing, testing and debugging programs in a modern programming language.

Weekly Schedule:

- Class 1 (8/20/2024)
  - Course Introduction & Syllabus
- Class 2 (8/22/2024)
  - Chapter 1: Problem solving, architecture, language
- Class 3 (8/27/2024)
  - Chapter 2: Assignments, variables, expressions
  - Assignment: Coding (CH2)
- Class 4 (8/29/2024)
  - Discussion and Q&A – Coding (CH2)
- Class 5 (9/3/2024)
  - Chapter 3: Debugging
  - Due: Coding (CH2)
  - Assignment: Coding (CH3)
- Class 6 (9/5/2024)
  - Discussion and Q&A – Coding (CH3)
- **NO Class ON 9/10/2024**
  - **NSM + CS Career Fair & Grad School Expo**
  - Due: Coding (CH3)
  - Assignment: Coding (CH4)
- Class 7 & 8 (9/12/2024)
  - Chapter 4: 'for' loops
  - Discussion and Q&A – Coding (CH4)
- Class 9 (9/17/2024)
  - Midterm Exam 1 Review
  - Due: Coding (CH4)
- No Class cl10 (9/19/2024)
  - **Midterm Exam 1**
- Class 11 (9/24/2024)
  - Chapter 5: Modules
  - Assignment: Coding (CH5)
- Class 12 (9/26/2024)
  - Discussion and Q&A – Coding (CH5)
- Class 13 (10/1/2024)
  - Chapter 6: Functions
  - Due: Coding (CH5)
  - Assignment: Coding (CH6)
- Class 14 (10/3/2024)
  - Discussion and Q&A – Coding (CH6)
- Class 15 (10/8/2024)
  - Chapter 7: Conditionals
  - Due: Coding (CH6)
  - Assignment: Coding (CH7)
- Class 16 (10/10/2024) **(ONLINE ONLY)**
  - Discussion and Q&A – Coding (CH7)
- Class 17 (10/15/2024)
  - Chapter 8: More iterations
  - Due: Coding (CH7)
  - Assignment: Coding (CH8)
- Class 18 (10/17/2024)
  - Discussion and Q&A – Coding (CH8)
- Class 19 (10/22/2024)
  - Midterm Exam 2 Review

- o Due: Coding (CH8)
- Class 20 (10/24/2024)
  - o **Midterm Exam 2**
- Class 21 (10/29/2024)
  - o Chapter 9: String
  - o Assignment: Coding (CH9)
- Class 22 (10/31/2024)
  - o Discussion and Q&A – Coding (CH9)
- Class 23 (11/5/2024)
  - o Chapter 10: Lists
  - o Due: Coding (CH 9)
  - o Assignment: Coding (CH10)
- Class 24 (11/7/2024)
  - o Discussion and Q&A – Coding (CH10)
- Class 25 (11/12/2024)
  - o Chapter 11: Files
  - o Due: Coding (CH10)
  - o Assignment: Coding (CH11)
- Class 26 (11/14/2024)
  - o Discussion and Q&A – Coding (CH11)
- Class 27 (11/19/2024)
  - o Chapter 12: Dictionaries
  - o Due: Coding (CH11)
  - o Assignment: Coding (CH12)
- Class 28 (11/21/2024)
  - o Discussion and Q&A – Coding (CH12)
- **NO CLASS ON 11/26/2024 – LAST DAY OF CLASS**
  - o Due: Coding (CH12)
- **NO CLASS ON 11/28/2024 – THANKSGIVING DAY**
- Class 29 (12/2/2024)
  - o Final Exam Review (TBA)
- Class 30 (12/3/2024)
  - o **Final Exam** (10:00AM-12:00PM)

Prerequisite:

A Grade of C- or better in MATH1314 or equivalent

Grading Criteria:

11 Assignments* – 40%
2 Mid-Term Exams – 30%
1 Final Exam – 30%

* We will drop 1 lowest score and only count 10 highest scores for your assignment grade.

Final Grade will be determined by the sum of the above criteria
A =   93.34 –
A- =   89.50 – 93.3399999
B+ =   86.67 – 89.4999999
B =   83.34 – 86.6699999
B- =   79.50 – 83.3399999

C+ =   76.67 – 79.4999999
C =   73.34 – 76.6699999
C- =   69.95 – 73.3399999
D+ =   66.67 – 69.9499999
D =   63.34 – 66.6699999
D- =   59.50 – 63.3399999
F =   – 59.4999999

- Last day to drop a course without receiving a grade is <u>Wednesday, September 4, 2024</u>
- Last day to drop a course or withdraw with a 'W' is <u>Wednesday, November 20, 2024</u>
- If you stop coming to class and do not drop, and your name appears on the final class roll, you will receive a grade of F at the end of the semester

Late Registration:

No special accommodations will be made for students who register late for this class, miss class, or are denied access to Blackboard owing to late registration. It is the sole responsibility of the student to seek out and obtain course materials or announcements if they miss class or cannot access these items through Blackboard. If you do encounter problems accessing the course material, please contact the instructors immediately for help, in person and via email. We are best able to help you the sooner you let us know.

Textbook:

How to Think Like a Computer Scientist: Interactive Edition: This is a free online book available through www.runestone.academy.

Hyflex or In-person Class Only
If, for unforeseen reasons, you arrive late, take a seat near the door where you enter. Once the class is underway, **do not cross the room in front of the class as this is disruptive**. Noises from cell phones, beepers, and other such devices are disruptive to the class and such equipment **must** be turned off before entering the class.

We have learned in recent semesters that email is no longer a reliable way to contact the students as they often just do not check their accounts. We will ask each student the best mean to communicate on the second-class day (8/22/2024).

UNIVERSITY OF HOUSTON SYLLABUS LANGUAGE: FALL 2024

<u>Mental Health and Wellness Resources</u>
The University of Houston has a number of resources to support students' mental health and overall wellness, including CoogsCARE and the [UH Go App](UH Go App). UH Counseling and Psychological Services (CAPS) offers 24/7 mental health support for all students, addressing various concerns like stress, college adjustment and sadness. CAPS provides individual and couples counseling,

group therapy, workshops and connections to other support services on and off-campus. For assistance visit uh.edu/caps, call 713-743-5454, or visit a Let's Talk location in-person or virtually. Let's Talk are daily, informal confidential consultations with CAPS therapists where no appointment or paperwork is needed.

The Student Health Center offers a Psychiatry Clinic for enrolled UH students. Call 713-743-5149 during clinic hours, Monday through Friday 8 a.m. - 4:30 p.m. to schedule an appointment.

The A.D. Bruce Religion Center offers spiritual support and a variety of programs centered on well-being.

Need Support Now?
If you or someone you know is struggling or in crisis, help is available. Call CAPS crisis support 24/7 at 713-743-5454, or the National Suicide and Crisis Lifeline: call or text 988, or chat 988lifeline.org.

Academic Honesty Policy
High ethical standards are critical to the integrity of any institution, and bear directly on the ultimate value of conferred degrees. All UH community members are expected to contribute to an atmosphere of the highest possible ethical standards. Maintaining such an atmosphere requires that any instances of academic dishonesty be recognized and addressed.
The UH Academic Honesty Policy is designed to handle those instances with fairness to all parties involved: the students, the instructors, and the University itself. All students and faculty of the University of Houston are responsible for being familiar with this policy.

Title IX/Sexual Misconduct
Per the UHS Sexual Misconduct Policy, your instructor is a "responsible employee" for reporting purposes under Title IX regulations and state law and must report incidents of sexual misconduct (sexual harassment, non-consensual sexual contact, sexual assault, sexual exploitation, sexual intimidation, intimate partner violence, or stalking) about which they become aware to the Title IX office. Please know there are places on campus where you can make a report in confidence. You can find more information about resources on the Title IX website at https://uh.edu/equal-opportunity/title-ix-sexual-misconduct/resources/.

Reasonable Academic Adjustments/Auxiliary Aids
The University of Houston is committed to providing an academic environment and educational programs that are accessible for its students. Any student with a disability who is experiencing barriers to learning, assessment or participation is encouraged to contact the Justin Dart, Jr. Student Accessibility Center (Dart Center) to learn more about academic accommodations and support that may be available to them. Students seeking academic accommodations will need to register with the Dart Center as soon as possible to ensure timely implementation of approved accommodations. Please contact the Dart Center by visiting the website: https://uh.edu/accessibility/ calling (713) 743-5400, or emailing jdcenter@Central.UH.EDU.

Excused Absence Policy
Regular class attendance, participation, and engagement in coursework are important contributors to student success. Absences may be excused as provided in the University of Houston Undergraduate Excused Absence Policy and Graduate Excused Absence Policy for reasons including: medical illness of student or close relative, death of a close family member, legal or government proceeding that a student is obligated to attend, recognized professional and educational activities where the student is presenting, and University-sponsored activity or athletic competition. Under these policies, students with excused absences will be provided with an opportunity to make up any quiz, exam or other work that contributes to the course grade or

a satisfactory alternative. Please read the full policy for details regarding reasons for excused absences, the approval process, and extended absences. Additional policies address absences related to military service, religious holy days, pregnancy and related conditions, and disability.

Recording of Class
Students may not record all or part of class, livestream all or part of class, or make/distribute screen captures, without advanced written consent of the instructor. If you have or think you may have a disability such that you need to record class-related activities, please contact the Justin Dart, Jr. Student Accessibility Center. If you have an accommodation to record class-related activities, those recordings may not be shared with any other student, whether in this course or not, or with any other person or on any other platform. Classes may be recorded by the instructor. Students may use instructor's recordings for their own studying and notetaking. Instructor's recordings are not authorized to be shared with anyone without the prior written approval of the instructor. Failure to comply with requirements regarding recordings will result in a disciplinary referral to the Dean of Students Office and may result in disciplinary action.

Resources for Online Learning
The University of Houston is committed to student success, and provides information to optimize the online learning experience through our Power-On website. Please visit this website for a comprehensive set of resources, tools, and tips including: obtaining access to the internet, AccessUH, Blackboard, and Canvas; using your smartphone as a webcam; and downloading Microsoft Office 365 at no cost. For questions or assistance contact UHOnline@uh.edu.

UH Email
Please check and use your Cougarnet email for communications related to this course. Faculty use the Cougarnet email to respond to course-related inquiries such as grade queries or progress reports for reasons of FERPA. To access your Cougarnet email, login to your Microsoft 365 account with your Cougarnet credentials. Visit University Information Technology (UIT) for instructions on how to connect your Cougarnet e-mail on a mobile device.

Webcams
Access to a webcam is required for students participating remotely in this course. Webcams must be turned on (*state when webcams are required to be on and the academic basis for requiring them to be on*). (*Example: Webcams must be turned on during exams to ensure the academic integrity of exam administration.*)

Security Escorts and Cougar Ride
UHPD continually works with the University community to make the campus a safe place to learn, work, and live. The security escort service is designed for the community members who have safety concerns and would like to have a Security Officer walk with them, for their safety, as they make their way across campus. Based on availability either a UHPD Security Officer or Police Officer will escort students, faculty, and staff to locations beginning and ending on campus. If you feel that you need a Security Officer to walk with you for your safety, please call 713-743-3333. Arrangements may be made for special needs.

Parking and Transportation Services also offers a late-night, on-demand shuttle service called "Cougar Ride" that provides rides to and from all on-campus shuttle stops, as well as the MD Anderson Library, Cougar Village/Moody Towers and the UH Technology Bridge. Rides can be requested through the UH Go app. Days and hours of operation can be found at https://uh.edu/af-university-services/parking/cougar-ride/.

Syllabus Changes
Please note that the instructor may need to make modifications to the course syllabus. Notice of such changes will be announced as quickly as possible through (*specify how students will be notified of changes*).