

# CS4395 - Senior Project in Computer Science

## Department of Computer Science and Engineering Technology

**Course Prefix, Number and Title:** CS4395 - Senior Project in Computer Science  
**Credits/Lecture/Lab Hours:** 3 credit hours  
**Year/Semester/Class Number:** Spring 2024, CRN: 20961

**Instructor:** Hong Lin  
**Office Location:** S-717  
**Phone Number:** 713-221-2781  
**Email:** linh@uhd.edu

**Office Hours:**  
**Day(s)/Time(s):** Tuesday 1:00pm-2:00pm; Wednesday 2:30pm-4:30pm  
Also, by appointment  
**Location:** S-717

### Course Description

Intensive study under the guidance of a member of the Computer Science faculty which culminates in an individually researched and formally written report and oral presentation dealing with applications of computer science in the student's area of specialization and related to one type of business or industry in the Houston area.

### Prerequisite(s)

COMM 1304, ENG 3302, grade of B or better in CS 4294, 3.0 GPA, senior standing and department approval.

### Course Learning Outcomes

By successfully completing this course, students will be able to:

Course Learning Outcome	Program Learning Outcome
1. Produce a written paper and give an oral presentation on an approved project	Be proficient in conveying Computer Science knowledge, both orally and in writing
2.	
3.	

The program's PLOs can be found at [Bachelor of Science in Computer Science \(uhd.edu\)](https://uhd.edu/bachelor-of-science-in-computer-science)

### Required Materials

1. Each student is required to have a CS faculty member who has agreed to be the advisor/mentor for the student's project. A meeting time should be established with this advisor so that weekly meetings can be held to discuss the status of the project.
2. Each week a one-page paper that lists the accomplished activities should be signed/approved by the advisor and presented at next regular class meeting. A copy should be sent to the instructor

### Recommended Materials

N/A

**Note:** A student of this institution is not under any obligation to purchase a textbook from a university-affiliated bookstore. The same textbook may also be purchased from an independent retailer, including an online retailer. A digital copy of the textbook may be available on the UHD library [website](#).

## Evaluation Criteria

Course grades will be determined as the weighted point average (WPA) of the following items:

Item Number	Item Description	Weight
1	Progress presentations	10%
2	Class participation	20%
3	Progress reports	20%
4	Project completion	20%
5	Final presentation	10%
6	Written report	20%

Letter grades will be assigned per UHD's Policy.

90 => WPA → A, 80 => WPA < 90 → B, 70 => WPA < 80 → C, 60 => WPA < 70 → D, WPA < 60 → F

**Note:** While I will post your assignment grades in Canvas, final grades will be calculated solely on the basis of the weighting and values described on the syllabus. Final grades or point totals in Canvas may not be accurate and should not be taken as the official grade source unless confirmed by the instructor.

## Course Policies

- **Methods of Communication with the Instructor**

Several communication methods will be used:

1. Email:

- a) The Canvas email will be the official UHD email communication system for this class.  
If you have an immediate/urgent question, please email me at my UHD email which is: [linh@uhd.edu](mailto:linh@uhd.edu)
- b) I will be checking both my UHD email accounts and will respond to your questions in less than 48 hours (excluding weekends and holidays).

2. Class Announcements:

- a) I will be using the Announcements feature in Canvas to communicate information to the entire class.  
Please check your Canvas email and Class Announcements, frequently.

3. Phone:

- a) You can call me or leave a voice message at 713-221-2781

- **Online Course Support:**

I will use the Canvas LMS (<https://canvas.uhd.edu/>) to provide you with online course material. As the semester progresses, various materials will be posted there, including lecture notes, labs, and course announcements.

- **Average Workload:** 6-10 hours/week, in addition to class time.

- **Grading and Course Evaluation**

- Required submissions are to be completed and turned in by the due date. For one day late submission (including weekends/holidays), 30% of the total points will be deducted. No work will be accepted more than 3 days late (including weekends/holidays). All missed submissions will be graded as zeros. Students are responsible for checking whether your submission is successful or not (e.g., any missed file, wrong file/format, or incomplete file). After the due date, no update for a previous submission will be graded. If you have questions about your grade, please contact the professor within 3 days (including weekends/holidays) after the grade is posted. No later negotiation about the grades.
- Make-ups will only be given in cases of documented emergencies. It is your responsibility to contact the instructor with documentation of your emergency as soon as possible. All missed grades will be recorded as zeros.

- **Class Attendance & Tardiness (if applicable)**

Students are expected to participate regularly in classes as appropriate to the modality of the course. If the class has scheduled meeting times, either online or in-person, students are expected to attend all class sessions. In addition to class meeting times, students are expected to dedicate time to relevant course work outside of class meeting times based on the number of credit hours per course. For a typical 3-credit course, students should budget an average of 6 additional hours per week outside of class. This may vary for lab, practicum, or other classes that do not have standard meeting times or formats. Your failure to attend class (in-person, hybrid, HyFlex, or synchronous online), engage through the course in the Learning Management System course (online asynchronous), or make contact with faculty to

adequately explain your absence by the 12th calendar day of the semester may result in your being administratively dropped from this course. Being dropped from this course may affect your enrollment status and/or your financial aid eligibility.

- **Lab Safety Rules (if applicable)**

N/A

- **Course hardware and Software Requirements (if applicable)**

All classes at UHD require students to access materials in our Learning Management System (Canvas) or other learning applications. Online, hybrid or even face-to-face classes will assign work that requires access to a computer for creating and submitting assignments, taking tests, conducting research, working with classmates, or engaging with the class. As importantly, if University locations are not available to students for any reason, the online environment becomes a critical pathway for continuing our classes and supporting your goals of completion. Unfortunately, most phones and even some tablets may not provide the level of technology or access that can maximize your success. Therefore, it is essential for every student at UHD to have reliable access to internet and a computer that meets some basic requirements. You should communicate in a timely manner with your instructors in the case of any challenges in using technology. Here are some resources to help you determine equipment needs and usage:

- For recommended technology requirements: Technology recommendation
- For challenges in using technology: UHD IT support center
- For resources on purchasing technology: Computer access and support

Use of Canvas, Gatormail, and Zoom: You are expected to regularly participate in your classes as scheduled as well as engage course material through the Learning Management System as required by instructors. Gatormail is the official UHD email communication system and UHD staff and faculty must use it to share student-specific information that is protected by federal FERPA guidelines. You should check your account regularly for both class and university messages. If you are taking a class that has virtual online meetings that use Zoom or other university-supported technology, you are expected to attend at scheduled times and participate fully following any protocols established by your instructor. Zoom classes, activities, and/or exams may require live video. Your instructor will provide this information to you as part of the course syllabus. Students with concerns regarding any requirement to participate in live video for specific course learning outcomes and/or assignments should consult their instructor.

Video Conference Etiquette: Please refer to some of these guidelines while attending live-streaming lectures.

- <https://blog.zoom.us/video-conference-etiquette/>

- **Other**

N/A

## **UHD Common Course Syllabus Policies**

<https://www.uhd.edu/academics/syllabus.aspx>

*In addition to the policies specified in this course syllabus, all UHD courses also follow shared policies published on [our syllabus website](#) addressing the following areas:*

- *Responses to University-Wide Disruptions*
- *Academic Honesty*
- *Accessibility and Statement of Reasonable Accommodations*
- *Attendance and Roster Certification*
- *Book Purchasing*
- *Recording of Class Sessions*
- *Religious Holy Days*
- *Safety Precautions*
- *Student Support Services*
- *Student Counseling Services*
- *Technology Requirements*
- *Testing and Final Exams*
- *Use of Blackboard, Canvas, Gatormail, and Zoom*

### Course Outline and Tentative Schedule

Week	Topic
1	Discussion of requirements, check syllabus, answer questions.
2	Paper (1-2 pages, typed) due – advisor name/(signed), project name, description of project.
3 - 9	Turn in paper (1-2 pages typed) listing progress (advisor signed), oral presentation of progress with slides.
10	Abstract of project due, note from advisor concerning project progress, oral presentation with slides.
11 - 13	Type project report, show to advisor weekly for approval, copy for instructor, oral presentation with slides.
14	Turn in final copy of project in class, with signed advisor approval.
15	Schedule presentation. Discuss in advance with advisors for their preferences.

- Note:**
- This is a tentative schedule, and any changes will be timely communicated to the class and posted in Canvas.
  - There is no final exam.
  - Presentations will be scheduled with advisor and instructor approval.

#### PREPARED BY

Hong Lin  
01/11/2024