

CISC 7310X-W6 Course Overview

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Outline

- 1 Instructor and Logistics
- 2 Syllabus and Policies
- 3 Exercises and Quizzes
- 4 Exams
- 5 Projects
- 6 Generative AI
- 7 Summary and Q&A

Instructor

- ▶ Instructor: Hui Chen, Ph.D.
- ▶ More about the instructor:
<https://www.sci.brooklyn.cuny.edu/~chen/>
- ▶ Contact the instructor:
 - ▶ E-mail: hui.chen@brooklyn.cuny.edu
 - ▶ Office Phone: (718)951-5000 ext. 2055
- ▶ Meet the instructor:
 - ▶ Office: 1432 Ingersoll Hall
 - ▶ Office Hours: 2:00 – 3:00 PM Wednesday
 - ▶ Or by appointment to meet on Zoom

Class Portal Website

The class has a one-stop portal website. Locate it at,

<https://huichen-cs.github.io/course/CISC7310X/26FA/>

Class Meeting

- ▶ CISC 7310X Section W6 Operating Systems I
- ▶ Class Meeting: 06:05-08:10PM Wednesday

Course Syllabus

Where is the syllabus?

<https://huichen-cs.github.io/course/CISC7310X/26FA/syllabus/>

Learning Outcomes

By the end of this course, students should be able

- ▶ to gain an understanding of interactions between software and hardware including those between operating systems and hardware, and those between applications and operating systems;
- ▶ to gain familiarity with major issues in the design and implementation of modern operating systems and essential algorithms and data structures to deal with the issues;
- ▶ to gain system programming experience and familiarity with the solutions to some issues in large applications design, such as, concurrency and resource management; and
- ▶ to be able to identify and familiar some problems in current systems research,
- ▶ to have exposure in system research skills, methods, and tools, and
- ▶ to leverage generative AI as a learning partner.

Question: CISC 7310X vs. CISC 3320 vs. CISC 7312X

How is this course different from the undergraduate operating system course and Operating Systems II?

Attendance and Class Participation

Attendance is mandatory (5%).

- ▶ Your “presence” in class is appreciated.
- ▶ “80% of success is showing up.” – Woody Allen

Assignments

- ▶ Reading!
- ▶ Homework Assignments, In-Class Activities, and Quizzes (5%)
 - ▶ Not all questions are discussed in lectures. It is essential to read the assigned sections of the textbook.

Exams

- ▶ Two exams (50%)
- ▶ Midterm Exam (20%)
- ▶ Final Exam (30%, cumulative)

Projects

- ▶ Projects (40%)
- ▶ Often including coding, experimentation, presentations, studying research papers, and writing reports.

Use of Generative AI

- ▶ It is encouraged.
- ▶ But
 - ▶ treated it as a partner
 - ▶ not a replacement for your own work
 - ▶ acknowledge its use in your work
 - ▶ there might be assignments generative AI is not allowed

Also note: generative AI is broadly defined here.

Questions?

- ▶ Instructor
- ▶ Objectives and Learning Outcomes
- ▶ Textbook
- ▶ Regulations, Procedures, and Academic integrity
- ▶ Important dates
- ▶ Attendance policy
- ▶ Assignments and exams
- ▶ Assignment submissions
- ▶ Grade submission
- ▶ Use of Generative AI