

CSE 4302 / CSE 5302 / ECE 5402 – Computer Architecture – Fall 2024

Class Meeting Time: Tue/Thu 12:30pm-1:45pm, ITE 119

Instructor: Prof. Omer Khan

Email: khan@uconn.edu

Office Hours: In person after class

Course website: https://khan.engr.uconn.edu/courses/comparch_f24/index.html

Course Overview: This course represents a serious introduction at a senior undergraduate and introductory graduate level into how computers work. Computing involves architecture at many levels. We will focus on the instruction set architecture level (sometimes called the machine architecture) and the microarchitecture level (often called the implementation architecture). We will review to some extent the level below the microarchitecture (the logic design level), relying mainly on the knowledge you already have obtained, and we will cover to some extent the level above the instruction set architecture (program translation) in order to demonstrate our understanding of some of the concepts. The intent of the course is to provide a comprehensive understanding of how the various levels interplay, and answer the question of how the machine works.

Textbook: John L. Hennessy and David A. Patterson, Computer Architecture A Quantitative Approach, Fourth Edition, Morgan Kaufmann Publishers, ISBN 0123704901

Grading Policy:

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| Midterm 1 | 17.5% |
| Midterm 2 | 17.5% |
| Final Exam | 30% |
| Homework & Programming Assignments | 35% |

Rules:

- The ECE Department takes the issue of academic integrity in education and research very seriously. Any instances of academic and scholarly misconduct (cheating, plagiarism, falsification/distortion of data, etc.), if substantiated, will have major consequences for the student. Please read the academic misconduct policy, and ensure that you maintain the highest ethical standards in all your work.
 - <https://community.uconn.edu/academic-misconduct/>
- Students with Disabilities: The Center for Students with Disabilities (CSD) at UConn provides accommodations and services for qualified students with disabilities. If you have a documented disability for which you wish to request academic accommodations and have not contacted the CSD, please do so as soon as possible. The CSD is located in Wilbur Cross, Room 204 and can be reached at (860) 486-2020 or at csd@uconn.edu. Detailed information regarding the accommodations process is also available on their website at www.csd.uconn.edu.
- Participation in class discussion and attendance of lectures is ***strongly encouraged***.
- Completion of programming assignments is ***required***.
- Make-up exams will be given only in extraordinary situations. Excused absence from an exam must be obtained in advance except under very rare circumstances. All exams will be closed book, with no exceptions.