Class Meeting Time:
Friday 11:15am-2:15pm, BUSN 218 (Lectures)

Instructor:
Prof. Omer Khan
Office: ITEB 447
Email: khan@uconn.edu
Office Hours: by appointment via email
Course website: https://khan.engr.uconn.edu/courses/comparch_f19/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:

Lecture slides will be downloadable from the course home page.

Grading Policy:

Two Midterm Exams                                  30%
Homework & Programming Assignments               35%
Class Participations                              5%
Final Exam*                                        30%

* Students enrolled in CSE 5302 or ECE 5402 may apply for replacing the final exam with a course project. The instructor has sole discretion at rejecting the project option at anytime during the semester. Students who are interested must discuss this option with the instructor, and get an approval in writing (paper or email).

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 (exams, homeworks, programming assignments etc.)

- 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. Each assignment is due on the date and at the time specified.

• There will be two exams in class. There will be a final exam during the normal final exam period. Please be sure to check the registrar’s schedule for final exam, as we get closer to December. 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 two exceptions:
  - The student may bring into the exam one 8x11 sheet of paper on which the student is free to write anything he/she wishes (both sides). The sheet contents must be original in the student's own handwriting.
  - Each student may bring into the exam any handouts that have been expressly permitted by the instructor prior to the exam.