ECE 5402/ CSE 5302/ CSE 4302 – Computer Architecture
Fall 2017

Class Meeting Time:
Friday 11:00am-2:15pm, ITE 127 (Lectures)

Instructor:
Prof. Omer Khan
Office: ITEB 447
Email: khan@uconn.edu
Office Hours: by appointment via email
Course website: http://www.engr.uconn.edu/~omer.khan/courses/comparch_f17/index.html

Course Overview:
This course represents a serious introduction at a 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 45%
Homework & Labs 20%
Class Participations 5%
Final Exam 30%

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 FAQ and ensure that you maintain the highest ethical standards in all your work (courses, exams, projects).
  o FAQ: http://www.community.uconn.edu/academic_misconduct_faq.html
• 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 labs is required. Lab assignments are due on the date and at the time specified. You may form a group of up to two students for the labs.

• 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:
  o The student may bring into the exam 4 sheets of paper on which the student is free to write anything he/she wishes. All four sheets must be original sheets in the student's own handwriting.
  o Each student may bring into the exam any handouts that have been expressly permitted by the instructor prior to the exam.