

ECE 671 Computer Networks

(Fall 2015)

Class Hours: Tu, Th 8.30AM-9.45AM.
Instructor: Prof. Aura Ganz (ganz@ecs.umass.edu)
Office: Knowles Engineering Building 309F
Office Hours: Tuesdays and Thursdays, 3.00pm-4.00pm
Teaching Assistants: TBD

Book: Computer Networks (5th Edition) by Andrew S. Tanenbaum and David J. Wetherall

Course objectives

1. Understand the concepts of networking
2. Discover how theoretical principles are implemented in practice
3. Gain exposure to research topics in mobile computing
4. Improve written and presentation skills

Topics covered

1. Physical Layer communication
2. Data Link layer protocols
3. Routing protocols
4. Transport layer protocols
5. Wireless networks
6. Research topics in mobile computing

Assignments

1. [50%] Quizzes (3)

- Written questions that cover topics covered in the lectures and in the book.
- The quiz topics and dates are provided in the course schedule

2. [10%] Homework assignments

3. [40%] Course Project

Accommodation Policy Statement

The University of Massachusetts Amherst is committed to providing an equal educational opportunity for all students. If you have a documented physical, psychological, or learning disability on file with Disability Services (DS), Learning Disabilities Support Services (LDSS), or Psychological Disabilities Services (PDS), you may be eligible for reasonable academic accommodations to help you succeed in this course. If you have a documented disability that requires an accommodation, please notify me within the first two weeks of the semester so that we may make appropriate arrangements.

Statement on Academic Honesty

It is expected that all students will abide by the Graduate Student Honor Code and the Academic Honesty Policy (available at the Graduate Dean's Office, the Academic Honesty Office (Ombud's Office)). Sanctions for acts of dishonesty range from receiving a grade of F on the paper/exam/assignment or in the course, loss of funding, being placed on probation or suspension for a period of time, or being dismissed from the University. All students have the right of appeal through the Academic Honesty Board.