

## Class Information

- Description: Systems Software & Networking II
- Credit: 3CR
- Meeting time: MWF 1:25-2:15pm
- Location: Engineering Laboratory 306

## Instructors:

- Prof. Lixin Gao
  - Telephone: 413-545-4548
  - Office: KEB 211B
  - Office Hour: Monday 2:20-3:20pm and Thursday 2:00-3:00pm, KEB 211B
  - Email: [ece374-ta@ecs.umass.edu](mailto:ece374-ta@ecs.umass.edu)
- Prof. Beatriz Lorenzo
  - Telephone: 413-545-2374
  - Office: KEB 309G
  - Office Hour: Wednesday 2:20-3:20pm and Friday 2:20-3:20pm, KEB 309G
  - Email: [ece374-ta@ecs.umass.edu](mailto:ece374-ta@ecs.umass.edu)

## Teaching Assistant:

- Xiaozhe Shao
  - Office Hour: Mon 4:30-5:30 and Wed 5:00-6:00
  - Location: KEB 309D
  - Email: [xiaozheshao@engin.umass.edu](mailto:xiaozheshao@engin.umass.edu), [ece374-ta@ecs.umass.edu](mailto:ece374-ta@ecs.umass.edu)

## Textbook:

*Computer Networking: A Top-Down Approach (7th Edition)*, by James F. Kurose Pearson

## Course Website:

[http://rio.ecs.umass.edu/~lgao/ece325\\_20](http://rio.ecs.umass.edu/~lgao/ece325_20)

## Course Description

This course provides an introduction to fundamental concepts in computer networks, including their design and implementation. Topics covered include the Web and other applications, transport protocols (providing reliability and congestion control), routing, and link access. Special attention is also paid to wireless networks and security. Homework assignments involve programming and written tasks.

## Course Outline:

- Introduction
- The Application Layer
- The Transport Layer
- The Network Layer
- The Link Layer and Local Area Networks
- Wireless Networks
- Security in Computer Networks

## **Grading Policy**

Homework (20%): There are five homework assignments.

Lab Assignment (20%): There are five lab assignments.

1st Midterm Exam (20%): Date to be announced.

2st Midterm Exam (20%): Date to be announced.

Final Exam (20%): Date to be announced.

## **Late / Make-Up Policy**

Assignments are due as posted on the course web page. Late submissions will not be accepted. Scheduling conflicts regarding exams should be reported to the instructor immediately. In case of a medical emergency, late submission or a make-up exam can be requested if a note from a medical professional is provided. The note must indicate that the student was medically incapable at the time of the exam.

If advanced notice is possible and not given, the instructor may refuse the request.

## **Academic Integrity**

Consultation with fellow students is encouraged. However, directly copying another student's work (past or present) defeats the purpose of the assignments and exams and is an honor code violation. Unless otherwise noted, you are expected to complete all assignment individually.

Violations will result in serious penalties including course failure and possible disciplinary action. If in doubt, please consult the instructor or the official UMass guidelines regarding academic honesty.

## **Inclusivity Statement**

We are all members of an academic community with a shared responsibility to cultivate a climate where all students/individuals are valued and where both they and their ideas are treated with respect. The diversity of the participants in this course is a valuable source of ideas, problem solving strategies, and engineering creativity. If you feel that your contribution is not being valued for any reason, please speak with me privately.