

# ECE3600 Syllabus

Computer Communication Networks, Section A, Credits 3

## Instructor Information

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## General Course Information

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### Description

ECE3600 is to study basic principles of computer networks: Architecture, protocols, control, and performance. To introduce emerging networking problems and applications if time permits.

### Course Learning Outcomes:

- Understanding principles of computer communication networks,
- Obtaining fundamental knowledge of modern network architecture and protocols,
- learning basic methods on network control and design,
- analyzing network performance.

### Required Course Materials

Kurose and Ross, Computer Networking, 9th edition, Addison Wesley, 2025

### Grading Policy:

Two exams 30% each. Homework 25%. Project 15%

### Description of Graded Components

Example grading on homework assignments: 10 points for each homework problem, and four to five problems for each homework.

Example grading on exams: about four problems will be given for each exam. Each problem will have subproblems. Partial credits will be given if students show work which are partially correct.

Project grading: 80% of the credits will be given if a project satisfies a basic requirement. Additional 10% will be given to innovation, and the remaining is for project presentation.

Letter grades will be given by aggregating all exams, homework assignments and project.

## Course Policies

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### **Attendance and/or Participation**

Class attendance will not be checked. However, students are encouraged to attend lectures and participate actively in discussions.

### **Academic Integrity**

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review [Georgia Tech's Honor Code](#) and the student [Code of Conduct](#).

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

### **Accommodations for Students with Disabilities**

If you are a student with learning needs that require special accommodation, [contact the Office of Disability Services](#) (404-894-2563) as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

### **Student-Faculty Expectations Agreement**

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. [The Student-Faculty Expectations](#) articulate some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

### **Pre- &/or Co-Requisites**

Elementary calculus, probability, circuits

### **Extra Credit Opportunities**

Optional problems will be given, and credits gained will be added to the homework total.

### **Collaboration, Group Work, and Use of Generative AI**

Collaboration is encouraged for homework and labs. Each student is expected to write one's own solutions.

### **Extensions, Late Assignments, & Re-Scheduled/Missed Exams**

Late homework -50% / day.

Official notes are needed for rescheduling an exam.

### **Inclement Weather and Digital Learning Days**

Will follow university policies.

### **Student Use of Mobile Devices in the Classroom**

Mobile devices are allowed. Devices need to be disconnected from the network during an exam.

### **Additional Course Policies**

- Students are encouraged to actively participating in class discussions.

## **Campus Resources for Students**

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### **Undergraduate Student Academic Success Resources:**

- Academic Support: Academic Success and Advising (a unit in the Office of Undergraduate Education & Student Success) provides free support for your courses. Students can attend scheduled supplemental review (PLUS) sessions, stop by Drop-In Tutoring, or schedule a one-on-one appointment through Knack. To explore what options work best for you, please visit us online at [success.gatech.edu/tutoring](https://success.gatech.edu/tutoring), email us at [tutoring@gatech.edu](mailto:tutoring@gatech.edu), or come see us at Clough Undergraduate Learning Commons, Suite 283.

### **Student Well-Being:**

At Georgia Tech, we are concerned about your overall physical, social, and mental well-being. A [comprehensive list](#) of wellness related resources has been compiled and

maintained by the Office of the Vice President for Student Engagement and Well-being  
([student-resource-guide \(gatech.edu\)](https://student-resource-guide.gatech.edu))