

## Syllabus – Fall 2021 (08/30/2021 – 12/19/2021)

Excluding materials for purchase, syllabus information may be subject to change. These will be announced immediately on HuskyCT and in class.

### Instructor Information

**Instructor:** Kriti Bhargava

**Email:** [kriti.bhargava@uconn.edu](mailto:kriti.bhargava@uconn.edu)

### Schedule

**Lectures:** In-person class on Tuesdays and Thursdays: 2:00pm to 3:15pm. DWTN 312

**Instructor office hours:** Mondays 1:00pm – 2:00pm. Room 305.D

### Course Description

CSE 3300 is an introduction to computer networks and data communications. Network types, components and topology, protocol architecture, routing algorithms, and performance. Case studies including LAN and other architectures. The central objective of this course is to develop student's problem-solving skills using networks.

### Course Objectives

At the end of the course, a student who successfully completes the course will:

- Be familiar with the principles of layered network architecture and communication technology.
- Understand the fundamental principles of communication media, data links, and communication channels including concepts of signal transmission and propagation, bandwidth, multiplexing, communication links and paths.
- Understand all key components of the TCP/IP protocol suite. IP layered architectures and how they inter-relate.
- Understand basic models of distributed and client-server computing.
- Be able to design and validate the design in network-based applications.

### Course Materials

**Required text:** Computer Networking: A Top-Down Approach, 7<sup>th</sup> Edition by James Kurose and Keith Ross

### Grading

**Summary of Course Grading:**

| Course Components  | Weight |
|--------------------|--------|
| Weekly assignments | 35%    |
| Module tests       | 35%    |
| Final exam         | 30%    |

### Assignments

There will be weekly assignments every Thursday, which will include problem solving and programming, and will be due midnight Wednesday of next week unless stated otherwise in the assignment. All your work must be handed in through HuskyCT. All the work you submit for grading should be yours and yours only. If you consult an external source, **you must cite it**. Plagiarism will be dealt with swiftly. You are expected to fill, sign and return (on the first assignment) the Honor pledge.

## Late policy

To guarantee timely grading and feedback, I wish to make sure that assignments are handed in at the appropriate time. Deadlines are based on Eastern Standard Time; if you are in a different time zone, please adjust your submittal times accordingly. **You simply cannot be late**, any submission arriving after the deadline receives a 0. The lowest assignment and lowest lab grade will be dropped from the semester note (no questions asked).

## Module tests

There will be a module test at the end of every chapter. The tests would be conducted during class hours and the date would be announced a week in advance. The assignments are designed to prepare you for these tests, hence, skipping the assignments is not advisable.

## Forum

A forum is available for general discussion and announcements related to the course on HuskyCT. You are strongly encouraged to read it frequently. Use it to ask general questions and communicate with your peers and the instructor. Please observe basic etiquette by keeping your postings polite, concise, and on-topic. Before posting, look at the postings that are already there--it is quite possible that your question has already been answered. Appropriate questions are general questions about the material and clarifications on the assignments. Keep in mind that the collaboration policy is in effect. For questions that are specific to your own work, you should see the instructor.

## Collaboration

You are not allowed to collaborate on the assignments. The programs and documents you will hand in must be yours only. You can ask for clarifications on the topic of the homework or its phrasing. You can discuss the course material with other students, and you are encouraged to discuss homework related questions directly connected to class material. If you use the web, you must explicitly disclose everything single piece of information you used and its source. Bottom line: talking **in general terms** about what is expected in the homework is acceptable. Discussing how to solve the problem in detail or sharing code with others is not.

If you need additional clarifications regarding the collaboration policy, **please contact the instructor**. If you have any doubts about what is appropriate to discuss, **ask**.

## Weekly Time Commitment

You should expect to dedicate approximately 9-10 hours a week to this course. This expectation is based on the various course activities, assignments, and assessments and the University of Connecticut's policy regarding credit hours. More information related to hours per week per credit can be accessed at the [Online Student website](#).

## Mask and Social Distancing Expectations

To ensure a safe learning environment for everyone, masks/face coverings must be worn at all times when inside buildings, including in the classroom, regardless of vaccination status. If a student is not wearing a mask/face covering, they will be asked by the instructor to put one on immediately or leave the classroom. Repeatedly failing to follow this expectation will result in a referral to Community Standards. Activities that involve temporarily removing the mask, such as eating, or drinking are not allowed. Please leave the classroom for such activities. If an instructor is not wearing a mask/face covering, students should feel comfortable asking the instructor to put one on immediately. More information about proper usage of masks is available from UConn Environmental Health and Safety at this [link](#).

Although social distancing will not be required inside classrooms for vaccinated individuals, please be respectful of the wishes of others who prefer to maintain social distancing. For their own protection, unvaccinated individuals are requested to maintain 6 feet social distancing from others.

## Student Responsibilities and Resources

As a member of the University of Connecticut student community, you are held to certain standards and academic policies. In addition, there are numerous resources available to help you succeed in your academic work. Review these important [standards, policies and resources](#), which include:

- The Student Code
  - Academic Integrity
  - Resources on Avoiding Cheating and Plagiarism
- Copyrighted Materials
- Netiquette and Communication
- Adding or Dropping a Course
- Academic Calendar
- Policy Against Discrimination, Harassment and Inappropriate Romantic Relationships
- Sexual Assault Reporting Policy

## Students with Disabilities

Students needing special accommodations should work with the University's [Center for Students with Disabilities \(CSD\)](#). You may contact CSD by calling (860) 486-2020 or by emailing [csd@uconn.edu](mailto:csd@uconn.edu). If your request for accommodation is approved, CSD will send an accommodation letter directly to your instructor(s) so that special arrangements can be made. (Note: Student requests for accommodation must be filed each semester.)

Blackboard measures and evaluates accessibility using two sets of standards: the WCAG 2.0 standards issued by the World Wide Web Consortium (W3C) and Section 508 of the Rehabilitation Act issued in the United States federal government." (Retrieved March 24, 2013 from [Blackboard's website](#))