

**Location** Golisano Hall (GOL)-1455  
**Time** Tuesday and Thursday 9:30AM–10:45AM  
**Web site** TBD  
**Forum** <https://mycourses.rit.edu/d21/home/713074>

**Instructor** Prof. Taejoong (Tijay) Chung  
**Contact** [tjc@cs.rit.edu](mailto:tjc@cs.rit.edu) (put “[CSCI-351]” in the subject line)  
**Office hours** Tuesday, 2:00PM–3:30PM, GOL-3525

### DESCRIPTION (from the Registrar)

This course is an in-depth study of data communications and networks. The course covers design of, and algorithms and protocols used in, the physical, data link, network, transport, and application layers in the Internet; methods for modeling and analyzing networks, including graphs, graph algorithms, and discrete event simulation; and an introduction to network science. Programming projects will be required.

### DESCRIPTION (from me)

We’ll be studying how the Internet really works, and how one builds applications on top of it. The course will be hands-on.

### LOGISTICS

The class will twice per week for 75-minute sessions, plus a midterm and final exam. The midterm exam will be administered during a regular class session.

### TEXTBOOK

The recommended (but not required) textbooks for the course is

Peterson and Davie. *Computer Networks: A Systems Approach*, 5th Ed.

### HOMEWORK ASSIGNMENTS

This course will have ~5 homework assignments reviewing concepts in class. Homework assignments are to be done by each student individually.

*Homework assignments are due at the beginning of lecture on the specified date. Homeworks will be marked 20% off per day that they are late, up to 2 days.*

### PROGRAMMING PROJECTS

The goal of this course is to teach the fundamentals of networks as well as how to write programs for it. As such, there will be upto five programming projects throughout the semester.

*Programming projects are due at 11:59:59pm on the specified date. The projects will be marked 10% off per day that they are late, up to 4 days.*

## **TEAMWORK**

You will form groups of two people to do the programming projects (if necessary, one group of three will be allowed). To collaborate effectively, you should both be involved in all of the major design decisions. You may switch groups between programming projects.

**Important:** *You alone are responsible for finding a partner.*

## **SUBMITTING PROJECTS**

TBD

## **EXAMS**

*There will be one midterm and one final. All exams will be closed book and closed notes, and computers are not allowed nor is any access to the Internet via any device. The exams will cover material from lectures, readings, and the projects. The final will be cumulative.*

## **GRADING**

*The breakdown of the grades in this course is*

45%	Projects
15%	Midterm
25%	final
15%	Homeworks

*Each project and homework will include a breakdown and description of how it will be graded.*

*Any requests for grade changes or regrading must be made within 7 days of when the work was returned. To ask for a regrade, attach to your work a page that specifies (a) the problem or problems you want to be regraded, and (b) for each of these problems, why do you think the problem was misgraded.*

## **ON CHEATING**

*It's OK to ask someone about the concepts, algorithms, or approaches needed to do the assignments. We encourage you to do so; both giving and taking advice will help you to learn. However, what you turn in must be your own, or for projects, your group's own work; looking at or copying other people's code, solution sets, or from any other sources is strictly prohibited. In particular, looking at other solutions (e.g., someone else's solution to a similar project) is a direct violation. The project assignments must be entirely the work of the students turning them in.*