

**National Tsing Hua University, Hsinchu,  
Taiwan**

**EECS 3020 Introduction to  
Computer Networks**

**Logistics**

**Instructor: Cheng-Hsin Hsu**

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# Course Info

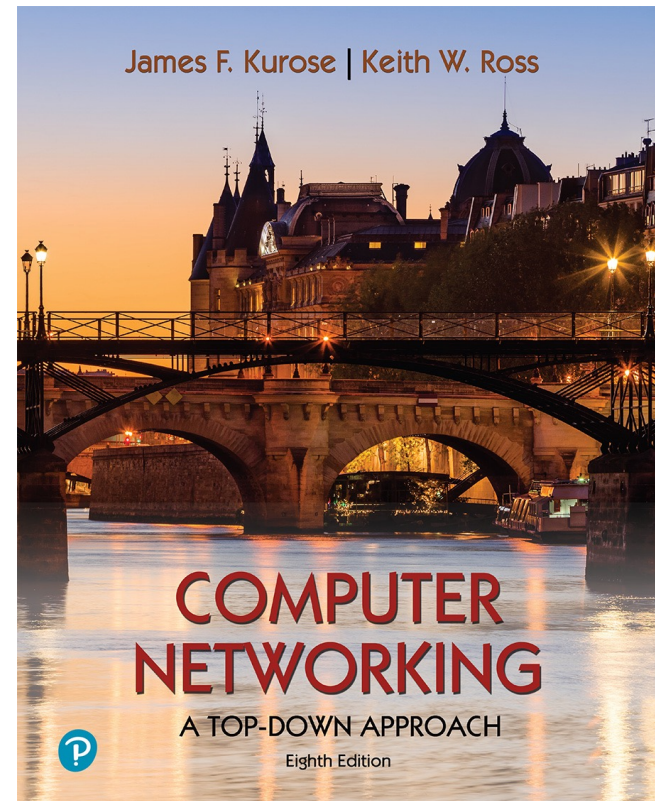
- Instructor: Cheng-Hsin Hsu
  - Email: [chsu@cs.nthu.edu.tw](mailto:chsu@cs.nthu.edu.tw)
  - Office: Delta 643
- Teaching Assistants:
  - Chih-Chun Wu ([chihchunwu0517@gmail.com](mailto:chihchunwu0517@gmail.com))
  - Jia-Wei Fang ([nthu107062121@gapp.nthu.edu.tw](mailto:nthu107062121@gapp.nthu.edu.tw))
  - Kuan-Yu Lee ([kyl@gapp.nthu.edu.tw](mailto:kyl@gapp.nthu.edu.tw))
- Lectures: M7M8R6 at Delta 104
- Lecture Format:
  - The lectures will be given in English
  - All written reports (including exams) should be in English
  - For students who cannot attend the lectures due to COVID-19 (or other legitimate reasons), we will use the link: <https://nthu-meeting.webex.com/meet/nmsl>
- Course Websites:
  - We will use <https://eeclass.nthu.edu.tw> for your grades
  - Syllabus and schedule are here: <https://nmsl.cs.nthu.edu.tw/courses/>

# Course Objectives

This course aims to introduce the design principles of computer networks and train students to implement networked applications. We will discuss computer networks and the Internet, application layer protocols, transport layer protocols, network layer protocols, and data link layer protocols. If time permits, we will also cover wireless and mobile networks.

# Textbook

- Authors' book website:  
[https://gaia.cs.umass.edu/kurose\\_ross/eighth.php](https://gaia.cs.umass.edu/kurose_ross/eighth.php)
- You can find the following resources on their websites:
  - Links for purchasing/renting the textbook
  - Slides that I will use in my lectures (I may edit them a bit, but the essential materials are the same as Jim's slides. Hence, I will not distribute the slides augmented by me)
  - Supplementary materials



## *Computer Networking: A Top-Down Approach*

8<sup>th</sup> edition

Jim Kurose, Keith Ross  
Pearson, 2020

# Our Schedule Page

(<https://nmsl.cs.nthu.edu.tw/courses/> )



The tentative schedule is given below.

Week: Day	Mon 3:30-5:20 p.m.	Thu 2:20-3:10 p.m.	Assignments (Due on Fri 11:59:59 p.m.)
1: Sep 11	Course overview; Ch. 1 Computer Networks	Ch. 1 Computer Networks	
2: Sep 18	Ch. 1 Computer Networks	Ch. 1 Computer Networks	
3: Sep 25	Ch. 2 Application Layer	Ch. 2 Application Layer	
4: Oct 2	Ch. 2 Application Layer	Ch. 2 Application Layer	
5: Oct 9	<i>Holiday, No Lecture</i>	Ch. 2 Application Layer	Programming Assignment #1
6: Oct			



Our pdf files are encrypted with key: 2022

# Grading Policy

- (C/C++/Python) Programming Assignments (45 pts):
  - Ping & traceroute (application layer)
  - TCP congestion control (transport layer)
  - Routing algorithms (network layer)
- Exams (60 pts):
  - Midterm #1: Chapters 1 and 2
  - Midterm #2: Chapters 3 and 4
  - Final: Chapters 5 and 6
- Homework (0 pt):
  - Problems in textbook will be selected
  - Sample solutions will be provided

# Academic Honesty

- **Zero tolerance to plagiarism**
  - No copying among students
  - No copying from published work
- Details on similarity checks of reports and source code will be announced along with the instructions of programming assignments

# Questions?



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