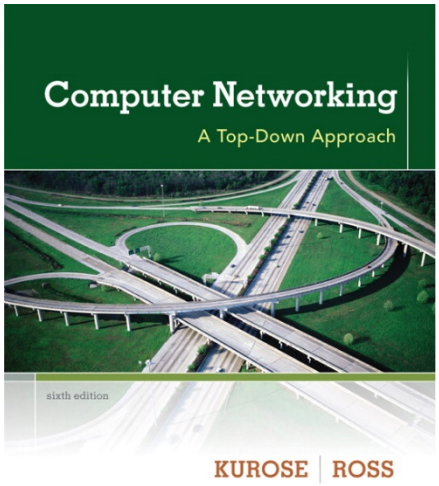
CSCI-P 438: Intro to Computer Networks (Fall '17)

School of Informatics and Computing, Indiana University Bloomington

Feng Qian

- **Basic Information**

Credits:	4
Lecturer:	Feng Qian (fengqian@indiana.edu)
Teaching Assistant:	Yunsheng Yao (yy29@indiana.edu)
Time/Location:	Lecture: 4:00P-6:30P Monday, Lindley Hall 008
	Discussion: 10:10A-11:00A Friday, Ballantine Hall 317
Textbook:	Computer Networking: A Top-Down Approach (6th edition) Addison-Wesley, 2013 (required)



Office Hour:	Appointment only
Canvas URL:	https://iu.instructure.com/courses/1649766

- **Email Policy**

  The professor and TA can be reached at **p438fa17-l@indiana.edu**. Any course-related emails should be sent (from an IU email address) to this mailing list address unless you want to contact the professor or the TA individually.

- **Prerequisites**
  You should know how to use Linux or Unix. You need to have basic C/C++/Java programming experience and basic knowledge of data structure.

  C/C++/Java programming will be needed for the course projects. You only need to know one of them.

- **Grading Policy**
  Midterm exam: 20%
  Final exam: 25%
  Homework (about 5): 12%
  Project 1: 5%
  Project 2: 15%
  Project 3: 15%
  Attendance: 8%

- **Late Policy**
  Late submissions of homework receive no credit. Late submissions of projects receive partial credit, as follows.
  Late for no more than 12 hours: 80% of credit.
  Late for more than 12 hours but no more than 24 hours: 70% of credit.
  Late for more than 24 hours but no more than 48 hours: 60% of credit.
  Late for more than 48 hours: no credit.

- **Tentative Course Schedule**
  See the next page.

- **Honor Code**
  Students must follow the IU Honor Code:
  http://studentcode.iu.edu/

  Unless otherwise noted, all projects and homework are individual assignments, and no collaboration among students is allowed. Any violations of the honor code will be dealt with strictly.

Note that the schedule is tentative and is subject to change. Always keep an eye on Canvas for latest announcements and updates.

Date	Topic
8/21	Course introduction. Socket programming I
8/28	Socket programming II
9/4	Labor Day break. No class.
9/11	An overview of the Internet
9/18	Application layer, Web, HTTP
9/25	Transport layer overview, UDP, reliable data transfer
10/2	Reliable data transfer, TCP
10/9	TCP (cont.)
10/16	Midterm exam
10/23	DNS, Intro to the IP layer
10/30	IP layer
11/6	Routing algorithms
11/13	Routing algorithms
11/20	Thanksgiving break. No class.
11/27	MAC layer
12/4	MAC layer, course summary
12/11	Final exam week