# CPE 448/548
# Introduction to Computer Networks

**Lectures:**       Monday and Wednesday, 12:45 pm – 2:05 pm

**Instructor:**   Dr. David Pan
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**Office Hours:** Monday and Wednesday, 2:10 pm – 3:40 pm, or by appointment

**Credit:**       3

**Prerequisites:**  CPE 112 (Introduction to Computer Programming in Engineering),
CPE / EE 321 (Computer Organization)
Students enrolling in CPE 448 must enroll concurrently in CPE 448L.
Students enrolling in CPE 548 must enroll concurrently in CPE 548L.

**Description:**  Introduction to the basic computer network concepts, underlying technologies,
including Local Area Networks, Ethernet, Internet, TCP/IP and Application Layer
Protocols, Socket Programming, Data Compression, and Network Security.
CPE 548 students will be required to complete additional work.

**Required Textbook:**
Computer Networks: A System Approach, 4th Edition. L. L. Peterson and
B. S. Davie, Morgan Kaufman Publishers, Inc., 2007
**Reference Books**:
o       Communication Networks, A. Leon-Garcia and I. Widjaja, McGraw-Hill, 2000
o       Computer Networking, J. F. Kurose and K. W. Ross, Addison Wesley, 2001

**Grading:**      Homework (15%), Lab (15%), Midterm (30%), Final (40%)

**Grading Scale:**        A (90 - 100), B (80 - 89), C (70 - 79), D (60 - 69),  F (below 60)

**Attendance:**  Attendance in lecture and lab is mandatory.

**Homework:**   Due at the beginning of classes. No late homework will be accepted.

**Exam:**       No make-up test will be given.