CS 464 - Spring 2011
Computer Networks

Instructor: Bin Tang, Office: Jabara Hall 242, Tel: 316-978-3729, Email: bintang@cs.wichita.edu
Classroom: Jabara Hall 261
Class Time: Tuesday, Thursday: 2:00pm - 3:15pm
Office Hour: Tuesday, Thursday: 3:30pm - 4:30pm, or by appointment
Prerequisite: CS 300 Data Structures and Algorithms I, and Java programming skill

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Course Description

This is an introductory course on computer networking. It covers protocol design principles, performance considerations, and networking technologies. It provides students with a theoretical and practical base in computer communication issues by considering all protocol layers involved in process-to-process communication. It aims to go beyond purely conceptual foundations by including programming assignments that will require some introductory-level network application programming in *Java.*

Textbook

Computer Networking: A Top-Down Approach (5th Edition) by James F. Kurose and Keith W. Ross

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Grading Policy

- **Homework:** 20 %
- **Midterm:** 30 %
- **Final:** 20 %
- **Course Project:** 30 %

Homework

Homework includes written assignments and programming components. It will be done individually. There will be five homework.

No late homework beyond the official deadline will be accepted, except with valid justification.

Midterm/Final Exams

They are open book, open notes and open handout. The idea is not to force you to memorize, but to understand well the course materials so that you can solve the problems.

Projects

There will be three programming projects. The first project will be done by each individual. The second and third projects will be done by each group of two students.

Topics

- Overview of Computer Networks & the Internet
- Application Layer
- Network Layer & Routing
- Link Layer
- Local Area Networks

Time permitting, the course will also deal with elements of :

- Multimedia Networking
- Network Management
- Security

Academic Honesty and other Departmental Policies

Be advised that any evidence of academic dishonesty will be treated with utmost seriousness.

A standard of **honesty**, fairly applied to all students, is essential to a learning environment. Students abridging a standard of **honesty** must accept the consequences; penalties are assessed by appropriate classroom instructors or other designated people. Serious cases may result in discipline at the college or University level and may result in suspension or dismissal. Dismissal from a college for **academic** dishonesty constitutes dismissal from the University.