

# CSC 469/569 Syllabus

## Data Communications & Networking Winter 2006 term

Class meets Tuesday and Thursday nights from 6:30 to 8:20 at 13 Carnegie. Our first class meeting is Tuesday January 2, 2007.

## Description

CSC 469 will explore networked communication from local area networks up to the global Internet. A top-down survey of networking protocols will be introduced. This includes an introduction to basic communication theory, data transmission, data communication protocols, and local area networks.

The course will include programming assignments that apply the networking concepts we study.

CSC 220 is a prerequisite of this class.

## Textbook

There required textbook for CSC 469 is:

“Computer Networking: A Top-Down Approach Featuring the Internet (3rd Ed.)” by Kurose & Ross

## Instructor

My name is Bill Krieger. I am a professor in the Computer Science department here at North Central College in beautiful Naperville, Illinois.

My email is [wtkrieger@noctrl.edu](mailto:wtkrieger@noctrl.edu) and my North Central site is [william.krieger.faculty.noctrl.edu](http://william.krieger.faculty.noctrl.edu).

My office is located at 310D Carnegie. My office hours this term are list in the “My Office Door” page on my North Central web site. In any case, you can always email me, and we *will* work out a convenient time to meet.

## Grades

Your final grade will be comprised of:

- Homework/Lab/Programming – 30%
- Exam 1 – 20%
- Exam 2 – 20%
- Final exam – 30%

CSC 569 graduate students will have extra responsibilities. We’ll determine this when I know how many grad students we have in the class.

Late work will generally not be accepted without prior approval. Homework will include reading assignments and design problems that may or may not involve programming.

The college rules on academic integrity will be strictly enforced... **plagiarism is a severe offense and will not be tolerated.** It is considered plagiarism if any part of the work you submit has been written by another person. The North Central College’s policy regarding plagiarism is: <http://www.noctrl.edu/x8303.xml>

The standard North Central grading scale is:

A 93-100%	B+ 87-89%	C+ 77-79%	D 60-69%
A- 90-92%	B 83-86%	C 73-76%	F 0-59%
	B- 80-82%	C- 70-72%	

## The Plan

We will cover Chapters 1-5 in Kurose & Ross (K&R). The authors recommend covering the material in chapter order, and that’s what we’ll do. These five chapters, in 500 pages, describe the 5 protocol layers of the internet.

The K&R approach is top-down, starting at the top-most application layer and ending at the bottom-most physical layer. K&R uses Java for programming assignments, as will we.

Here’s a (very) tentative schedule:

- Weeks 1-3: Chapters 1 & 2
- Weeks 4-7: Chapter 3, Java coding
- Week 8-10: Chapter 4 & 5