

Syllabus

CSC 454/554 Object-Oriented Analysis & Design Fall 2006 term

Class meets Saturday mornings from 8:00 am to noon at 113 Carnegie. Our first class meeting is Saturday September 16th, 2006.

Description

The primary goal of CSC 454 will be to improve each student's object-oriented (OO) design skills. Students will also be exposed to current techniques in OO analysis.

CSC 454 will explore three levels involved in the development of software solutions:

1. OO analysis – methods of problem specification, including CRC cards, use cases and agile development techniques
2. OO design – emphasis on the use of design patterns and UML
3. OO programming – a review of proper OO development practices and heuristics

Each lecture will feature at least one design problem stressing the application of design patterns or other OO analysis and design techniques.

Some programming may be required in CSC 454. CSC 306 is a prerequisite and some familiarity with OO programming is assumed.

Textbook

There are actually two required textbooks for CSC 454:

- “*Applying UML and Patterns, Third Edition*” by Craig Larman, published 2005
- “*Design Patterns Explained*” by Shalloway & Trott, published 2005

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 and my North Central site is william.krieger.faculty.noctrl.edu.

My office is located at 310D Carnegie. My office hours this term are MWF from 1:00-3:00 pm. I also anticipate being in on the Saturdays on which we do not meet. 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 – 50%
- Midterm exam – 20%
- Final exam – 30%

CSC 554 graduate students will have extra homework/project responsibilities.

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

Alas, we only meet 6 Saturday mornings. I will probably have office hours on our “off” Saturdays. Anyway, the pace will be very fast and require your diligence.