

Syllabus

Course: CSCI 1583 – Software Design and Development I (Fall 2010)

Time: Tuesday & Thursday: 4:30pm – 5:45pm

Place: Math 226

Prof: Christopher Taylor

My Info: Email ➤ *taylor@cs.uno.edu*

Office Hours ➤ Tuesday & Thursday: 2:30pm – 4:30pm in Math 350
Wednesday: 9am – 11am in CERM 217

Prereqs: Math 1125 with a grade of C or better or consent of department

Coreq: CSCI 1581 is required as a concurrent class

Textbook: Introduction to Programming and Object Oriented Design Using Java (3rd)
by Jaime Nino and Frederick A. Hosch

Content: This is an introductory course in Computer Science with an emphasis on programming in a high-level, object-oriented language (Java). You will learn to design and implement simple objects, employing an iterative specify/design/implement/test strategy. Topics covered will include material from Chapters 0 through 10:

- Overview of Computers and Software Development
- Introduction to Object-Oriented Software Design
- Data Abstraction: Introductory Concepts
- Defining Simple and Interacting Classes
- Conditions, Programming by Contract, and Testing
- Iteration, Composition, Interfaces, and Inheritance

Laboratory: The Lab Section (CSCI 1581) provides you with an environment to try out concepts in software design via the development of software with a lab assistant. Attendance and completion of lab work is mandatory.

Grading:

Lab Work (CSCI 1581)	➤	15%
Homework/Programming Assignments	➤	35%
Two In-Class Examinations (closed-book)	➤	25%
Final Examination (closed-book)	➤	25%

You will receive the same grade for CSCI 1583 and CSCI 1581.

Administrative constraints prevent us from offering the lecture and lab components as a single course. However, they are to be treated as such, hence the single, uniform grade. All work will be graded on a 10 point scale: A: 90-100%, B: 80-89%, C: 70-79%, D: 60-69%, F: < 60%.

Due Dates: Every assignment handed out will be clearly marked with a due date. You are responsible for handing in your assignment on time. Late submissions will be assessed at the following rates: 80% for 1-48 hours late, 60% for 49-96 hours late, 40% for 97-144 hours late, 20% for 145-168 hours late. Assignments that are over a week late will receive no credit.

Attendance: Your attendance at class is required and essential for you to meet course requirements. Attendance will be taken at the beginning of each class. Absence from class will negatively affect your performance in the course.

ODS: It is university policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students with disabilities are encouraged to contact the Office of Disability Services (ODS) to discuss their individual needs. The ODS will work with me to help determine suitable accommodations.

Cheating: All submitted work must be exclusively your own. Cheating is:

- ✓ Copying (in whole or in part) the solutions of former students, current students, or any other human being (alive or dead). “Copying” includes transmission through email, the Internet, smoke signals, or by any other means.
- ✓ Obtaining solutions from the Internet or other archival sources.

Discussing assignments at a high level for clarification, discussing problems concerning the computing equipment, and studying in groups for examinations is not cheating, but every word you type for programming and written assignments must be your own!

“Academic honesty and intellectual integrity are fundamental to the process of learning and to evaluating academic performance. Maintaining such integrity is the responsibility of all members of the University.”

Conduct: Please be respectful of your classmates and refrain from disruptive activities in the classroom. Come to class on time. Parking is often a hassle; allow enough time for it. Turn off cell phones in the classroom. If you use a laptop or other electronic device to take notes, you must keep keyboard noise to a minimum. If you can't type silently then you should revert to the “old-fashioned” method of paper and pencil. Your cooperation is appreciated.

Blackboard: Essential course material (including this syllabus) will be posted to the CSCI 1583 course page on Blackboard (<http://uno.blackboard.com>). Important notices will occasionally be transmitted through Blackboard's email feature. Please ensure that you can access your uno.edu email.