

Syllabus

Course: CSCI 1583 – Software Design and Development I (Spring 2012)
Time: Tuesday & Thursday: 1:30pm – 2:45pm
Place: Math 226

Prof: Christopher Taylor
My Info: Email ➤ taylor@cs.uno.edu
Office Hours ➤ Tuesday & Thursday: 2:45pm – 4:30pm in Math 350
Tuesday & Thursday: 5:45pm – 6:15pm in Math 350
Wednesday: 10:30am – 12:00pm 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. The final letter grade will be determined as follows: A: > 90%, B: > 80%, C: > 75%, D: > 65%, F: <= 65%.

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 more than 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 who seek accommodations for disabilities must contact the Office of Disability Services prior to discussing their individual needs for accommodation with their instructors.

Integrity: 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. 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.

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

Exams: Exam 1: Tuesday, February 28th in class (1:30pm – 2:45pm), Math 226.
Exam 2: Tuesday, April 17th in class (1:30pm – 2:45pm), Math 226.
Group Final: Monday, May 7th from 8:00pm to 10:00pm, Location TBD.