

Software Design and Development II

CSCI 2120 Section 601
Spring Semester 2012

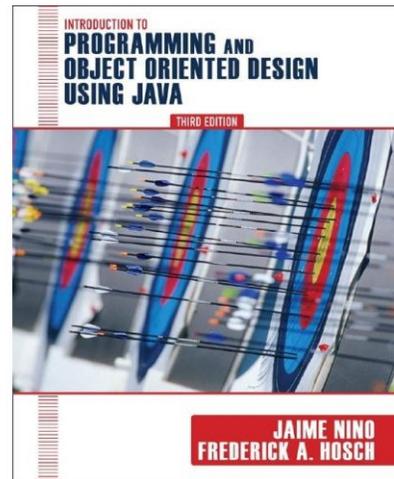
Dr. Christopher Summa
Lab: Math 307 Phone: (504) 427-5599
email: csumma@uno.edu (preferred)

Meets: 6:00PM - 7:15 PM M,W in Math 214

Office Hours: M,W 2:30PM-4:30PM, Th
9AM-11AM Office hours will be conducted in
Math 307. other times by appointment only

Prerequisite: CSCI 1583 with a grade of C
or better or consent of department; concurrent
registration in CSCI 2121 **is required.**

Text: J. Niño and F. Hosch, *An Introduction
to Programming and Object Oriented Design
using Java, 3rd Ed.* (same book as last
semester)



Course Content:

This course is the second half of an introductory course in Computer Science with an emphasis on programming in a high-level, object-oriented language. This supporting language is Java. The course is centered on the design and implementation of simple objects, and employs an iterative specify / design / implement / test strategy. The topics covered (roughly Chapters 10 through 21 from the text) will be (we reserve the right to adjust as the term progresses):

- Inheritance
- Modeling with Abstraction
- Lists
- Array Implementations
- Sorting and Searching
- Failures and Exceptions
- Stream I/O
- Building a Graphical User Interface
- Integrating a User Interface and Model
- Recursion
- Implementing Linked Lists
- Iterators

Laboratory:

The purpose of the lab (CSCI 2121) is to give you an environment to try out concepts in software design via the development of software fragments with a lab assistant. Attendance and completion of lab work is **mandatory**.

Grading:

(1) Laboratory work (CSCI 2121) will comprise **15%** of your final grade; homework/programming assignments **35%**; and tests **50%**. The test component will be computed as follows: Two in-class, closed-book announced tests plus the final exam grade *counted twice* give four grades. The highest three will be used to compute the test component of your final grade. For example, if your in-class test grades are 70 and 80, and your final exam grade is 75, then the grades 80, 75, 75 (highest three of 70, 80, 75, 75) will be used.

(2) You will receive the same grade for CSCI 2120 and CSCI 2121 to be computed as described in the previous paragraph. 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.

(3) All work is graded on a numerical (percentage) basis. The correspondence between numerical and letter grades is given as follows:

A: ≥ 90 ,
B: 80 - 89,
C: 70 - 79,
D: 50 - 69,
F: < 50 .

(4) It is expected that all homework will be turned in on time. Lateness penalties are:

- 1 day late - 10% off;
- 2 days late - 20% off;
- 3 days late - 40% off;
- >3 days late – *fuggheddaboutit!!*

Note: We count school days (Sundays and holidays are not included).

(5) No make-ups for graded work (either tests or homework) will be given except for a legitimate (e.g., medical) reasons.

(6) Questions about the grading of student work should be raised within 72 hours of its return. After that time frame, issues raised will risk not being entertained.

(7) Students should retain all returned graded work, in case there are issues raised about the grade.

(8) The "I" grade (for Incomplete) is given only in exceptional circumstances, (e.g. missing the final exam because of a surgery).

Attendance:

The UNO Senate (Feb. 20, 2002) has made the taking of attendance a requirement for "developmental, 1000, and 2000 level courses." (See Appendix B from: http://www.uno.edu/senate/minutes/2001_2002/01_22_02.pdf). Attendance will therefore be taken at each class meeting. Although not a formal component of the computation of grades, good attendance will impact final grades in borderline cases. Important course content is often introduced outside of the published sources and/or scheduled presentations.

Academic Dishonesty:

Finally, we must call your attention to the University's policies regarding academic dishonesty (http://www.studentaffairs.uno.edu/studentpolicies/policymanual/academic_dishonesty.cfm). Academic dishonesty includes cheating, plagiarism, and collusion. In particular, it includes "the unauthorized collaboration with another person in preparing an academic exercise" and "submitting as one's own any academic exercise prepared totally or in part for/by another." In the event of academic dishonesty, **the student will be assigned a grade of 0** on the exam or exercise, the student will be informed in writing of the action taken, and **a copy of this letter will be sent to the Assistant Dean for Special Student Services.**

Students with Disabilities:

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 their instructors and/or the Office of Disability Services to discuss their individual needs for accommodations.