Software Design and Development I
CSCI 1583 Section 601
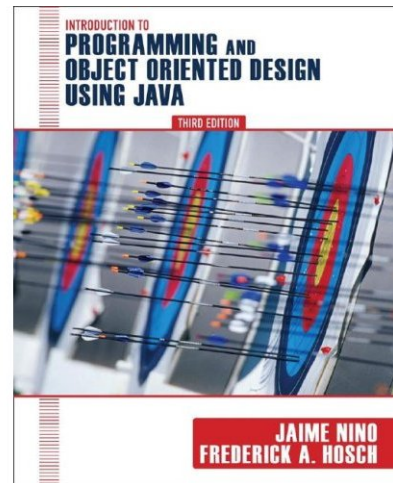Spring Semester 2012

Dr. Christopher Summa
Lab: MATH 307 Phone: (504) 427-5599
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Meets: 4:30PM - 5:45PM M,W in Math 226

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

Prerequisite: Math 1125 with a grade
of C or better or consent of department;
concurrent registration in CSCI 1581 is
required.

Text: J. Niño and F. Hosch, *An
Introduction to Programming and Object
Oriented Design using Java*, 3rd Ed.

Course Content:

This course is 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 supplements A and B, and Chapters 0 through 10 from
the text) will be (we reserve the right to adjust as the term progresses):
- Overview of Computers and Software Development
- Introduction to Object-Oriented Software Design
- Data abstraction: introductory concepts
- Defining a simple class
- Designing interacting classes
- Conditions
- Programming by contract
- Testing
- Building a text-based user interface: iteration and composition
- Putting a system together
- Interfaces
- Inheritance

Laboratory:

The purpose of the lab (CSCI 1581) 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 1581) 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 1583 and CSCI 1581 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.