

# CSC 153: Fundamentals of Computer Science

## Spring 2014

### Instructor:

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### Office hours:

M-F 8:30-9:30, 1:00-1:30

TTh 11:00-12:00

### Texts:

Anderson and Franceschi. *Java 6 Illuminated: An Active Learning Approach, 2<sup>nd</sup> Edition*. Jones and Bartlett 2008. We will cover chapters 8-13 in this class. **Textbook should be brought to each class.**

### Course Objectives:

- To continue to build competence in programming using the Java Programming environment, including graphical user interfaces.
- To present topics such as problem solving strategies, basic data structures and data and procedural abstraction, exception handling, inheritance and recursion.

**Class learning outcomes:** Students will be able to write correct and robust software. Students will understand the interaction between hardware and software. Students will be able to apply their technical knowledge to solve problems. Students will communicate effectively orally and in writing. Students will be comfortable using technology to solve problems.

### Course Organization:

**Lectures:** Cover the highlights of chapters assigned – **not** a substitute for reading. The lecture slides can be obtained from: `\\happy\templates\Math and Computer Science\Carter\CSC153`

**Homework Quizzes:** Instead of traditional homework, I will be giving 6 homework quizzes based on suggested homework problems. The dates of the quizzes are Jan. 30, Feb 11, Feb 13 (lab), Mar 25, April 3 (lab), April 10

**Labs:** Lab attendance is mandatory. **Missing more than 2 lab sessions without a well-documented excuse will result in a 10% decrease in your lab grade.** When possible, lab assignments should be completed during the assigned lab time. In some cases, lab assignments may extend over more than 1 lab period. In these cases, the due dates will be clearly stated. Discussion of lab assignments is allowed, however, each individual must turn in his/her own work. Allowing someone access to your program file is completely unacceptable. **Grades for programming assignments will be based on correct compilation, correct execution, correct and adequate documentation, and form.**

**“Shared” work:** If lab assignments for 2 or more people appear too similar, I will split the points awarded between the individuals involved.

**Late work:** On-time labs will be turned in **no more than 20 minutes** into the lab period in which they are due. Labs turned in within 10 minutes of the start of the next lab period following the due date will be accepted with a 15% penalty. **After that point, the work will not be accepted.** You may (and should) turn in incomplete labs for partial credit

**Midterm:** The midterm will cover lecture as well as lab material from chapters 8-11 of the book. The exam will be composed of a written portion and a practical programming portion. Students missing the midterm exam for a school function must arrange to take the exam in advance. Missing an exam for other reasons, short of an officially documented emergency will result in a grade of 0. The midterm is currently scheduled for **February 25 (written) and 27 (programming)**.

**Final Exam:** The final exam will consist of a **written final given during the last lecture period**, and a programming exam during finals week. The final is scheduled for **Tuesday of Finals Week at 1:30 PM**.

### **Grading:**

Homework quizzes	15%	Midterm	20%
Labs	40%	Final Exam	25%

Final grades will be determined as follows:

100-93%	A	80-82%	B-	67-69%	D+
90-92%	A-	77-79%	C+	63-66%	D
87-89%	B+	73-76%	C	60-62%	D-
83-86%	B	<b>70-72%</b>	<b>C-</b>	0-59%	F

### **Attendance:**

Attendance is expected at each class section. In the event of an absence you are responsible for the material covered in class and the assignments given that day. See the Point Loma Nazarene University Catalog for a statement of the university's policy with respect to attendance. Remember that missing more than one and a half week's worth of classes can result in a failing grade.

### **Academic Accommodations:**

While all students are expected to meet the minimum academic standards for completion of this course as established by the instructor, students with disabilities may require academic accommodations. At Point Loma Nazarene University, students requesting academic accommodations must file documentation with the Disability Resource Center (DRC), located in the Bond Academic Center. Once the student files documentation, the Disability Resource Center will contact the student's instructors and provide written recommendations for reasonable and appropriate accommodations to meet the individual needs of the student. This policy assists the University in its commitment to full compliance with Section 504 of the Rehabilitation Act of 1973, the Americans with Disabilities (ADA) Act of 1990, and ADA Amendments Act of 2008, all of which prohibit discrimination against students with disabilities and guarantees all qualified students equal access to and benefits of PLNU programs and activities. **Students with learning disabilities who may need accommodations should discuss options with the instructor during the first two weeks of class.**

### **Class Enrollment:**

It is the student's responsibility to maintain his/her class schedule. Should the need arise to drop this course (personal emergencies, poor performance, etc.), the student has the responsibility to follow through (provided the drop date meets the stated calendar deadline established by the university), not the instructor. Simply ceasing to attend this course or failing to follow through to arrange for a change of registration (drop/add) may easily result in a grade of F on the official transcript.

### **Academic Honesty**

The Point Loma Nazarene University community holds the highest standards of honesty and integrity in all aspects of university life. Academic honesty and integrity are strong values among faculty and students alike. Any violation of the university's commitment is a serious affront to the very nature of Point Loma's mission and purpose. Academic dishonesty is the act of presenting information, ideas, and/or concepts as one's own when in reality they are the results of another person's creativity and effort. Such acts include plagiarism, copying of class assignments, and copying or other fraudulent behavior on examinations.

A student who is caught cheating on any item of work will receive a zero on that item and may receive an "F" for the semester. See the PLNU Catalog for a further explanation of the PLNU procedures for academic dishonesty.