

CSC 153: Fundamentals of Computer Science

Spring 2015

Instructor:

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Office hours:

MWF 8:30-9:30, 1:00-1:30

TTh 10:30-11:30, 2:30-3:30

Texts:

Anderson and Franceschi. *Java 6 Illuminated: An Active Learning Approach, 3rd Edition*. Jones and Bartlett 2012. We will cover chapters 7-13 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 building our own objects and graphical user interfaces.
- To present topics such as problem solving strategies, basic data structures and data and procedural abstraction, exception handling, inheritance, polymorphism, 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 Canvas

Homework Quizzes: On the day that each lab is turned in, you will also be given a quiz on the material covered by that lab. Two of the questions will be about how you implemented your lab, and the others on the concepts from the lecture or reading that were presented in preparation for that lab. Failure to answer at least one implementation question all of the time, and both most of the time could result in the loss of your ability to work in a group on lab assignments (see below) or force a discussion with the professor on how you are completing your labs individually. **Your 2 lowest quiz scores will be dropped.**

Labs: Lab attendance is expected. All labs will have 2 parts, a prep lab and a main lab. **Prep labs must be completed individually** and it is expected that you will complete it during the allotted lab time. Main lab assignments may be completed individually, or in a group of 2. If you complete a lab as a team, please turn in only 1 copy of the code, and turn in your labs together. The privilege of working together on labs may be revoked at any time (see previous section). Grades for programming assignments will be based on correct compilation, correct execution, correct and adequate documentation, and form. Unless otherwise stated, labs are due within the first 15 minutes of the lab period following the one in which they were assigned. **On the day that a lab is due, you have 1 chance** to get it signed off by a lab assistant. The lab assistant will either sign it off as correct, or make notes regarding what works and what doesn't. **No late labs are accepted.** However, I will drop the lowest lab grade and you may turn in any unfinished lab on time for partial credit. The exception to this policy is the final project which is worth 2 labs. That one cannot be dropped.

Midterm: The midterm will cover lecture as well as lab material from chapters 7-11 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 most likely result in a grade of 0. The midterm is currently scheduled for **February 24 (written) and 26 (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 **Thursday of Finals Week at 1:30 PM**.

Grading:

Homework quizzes	10%	Midterm	20%
Labs	45%	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	70-72%	C-	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.