CSC 143: Introduction to Computer Programming
Fall 2015

Instructor:

Dr. Lori Carter
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Office hours:

Monday 11-12, 1:30-2:45
Tuesday 9-10, 1:30-4:30
Thursday 9-10, 1:30-2:45
Friday 9-10

Course times and location:

Lecture TR 11:00-11:55
Lab section 1: TR 10:00-10:55
Lab section 2: R 3:00-4:45

Text:

Anderson and Franceschi. *Java Illuminated:An Active Learning Approach 4th Edition.* Jones and Bartlett 2016. We will cover most of chapters 1-9 in this class. The same text is used for CSC 154.

Course Objectives:

- To introduce students to general computer programming concepts and environments. Specifically, we will be using the Java language, with the jGrasp integrated design environment. Students will develop programs from algorithm design to testing.
- To present the syntax of the object-oriented computer programming language Java, and to prepare the student to write simple programs in preparation for more advanced computer science courses and for the Computational Science minor. This course covers basic data types and associated operations, use and theory of objects, graphics, animations, conditional statements, arrays, and loops. Students will gain experience writing programs for many contexts including science, business, and mathematics.

Class Learning Outcomes: Students will be able to write correct and robust software. Students will analyze the interaction between hardware and software. Students will be able to apply their technical knowledge to solve problems. Students will collaborate effectively in teams.

Course Organization:

This course will be taught in a hybrid format. We will meet together during lecture time on Thursday only, and each section will meet for their labs as scheduled

Homework: Each week, students will get an online introduction to the material, be responsible for reading a section of the text, and taking online quizzes over the introduction and the text sections. All quizzes must be taken by midnight on the Monday prior to the Tuesday class meeting. Note that they will not even be available after midnight. While there is no make-up for quizzes not taken by the deadline, your 3 lowest on-line quizzes will be dropped.

Thursday: Although there will be no formal meeting on Thursdays, I will be in the classroom providing help with homework, labs, and possibly giving short presentations on questions that students have asked in advance. Please send questions by Wednesday at 6PM..

Tuesday meeting: Most Tuesdays will begin with an in-class written quiz based on the homework just completed. There will also be a formal presentation of some of the more complex material and/or exercises to work on to improve understanding. Student versions of the lecture slides can be obtained from: canvas.pointloma.edu. All written exams will also take place during a Tuesday session

In class exams and quizzes: During the course of the semester, you will have 9-11 in-class written quizzes, 1 programming quiz, 1 programming exam and 1 written exam in addition to written and programming final exams. The programming exam and quiz will take place during your lab session. The schedule is as follows:

Date	Type	Time	Covers	% of grade
Tuesday weekly	In-class quizzes	10 minutes each	Homework	7
October 8	Programming quiz	25 minutes	Labs to this point	3
October 27	Written Exam	Entire period	Chapters 1-6.4	10
October 29	Programming Exam	55 minutes	Labs to this point	10

If you know that you will be missing an exam for a school event, you must make arrangements to take the exam prior to it being administered to the class. If you miss an exam for any unexcused reason, you can expect to receive a 0 on that exam/quiz. Keep in mind that 2 of the lowest in-class quizzes will be dropped. **You cannot drop the programming quiz.**

Labs: Labs are due on Thursday. They must be turned in during the first 15 minutes of the lab to be accepted. I accept no late labs. You may get your lab signed off early in the virus lab with a lab assistant or during those first 15 minutes. On the day that a lab is due, the lab assistant will check it only once and then make notes of what doesn't work. If you are getting it checked in the virus lab, you may fix any errors and then get it re-checked. If you do not complete a lab, you can get partial credit for what you have done, so turn in something! Your lowest single lab will be dropped.

Most labs will contain a prep lab and a main lab. The prep lab is a "warm up" and should get signed off as soon as it is finished. Try to complete this part as much on your own as possible. For the main lab, discussion and even working together is allowed, however, **each individual must turn in his/her own work**. Each lab must look different, and each student must understand what was done. If the weekly quizzes indicate that a student does not understand the lab, **working together will be forbidden in the future.**

To receive full credit on a lab your lab must:

- Be original work
- Be well-documented (comments)
- Be well-formatted (indentation and white space)
- Use meaningful identifiers
- Work correctly for all test cases run by Dr. Carter or the Lab Assistant

Final Exam: The final exam will be comprehensive, and contain both written and programming portions. **Programming final is Thursday at 10:30 of finals week. The written final will be during the last lecture period.** The final exam date and time is set by the university at the beginning of the semester and may not be changed by the instructor. Only in the case that a student is required to take three exams during the same day of finals week is an instructor authorized to change the exam date and time for that particular student.

Grading:

Online quizzes	10%	Midterm Exams	20%
In class quizzes	10%	Final Exams	25%
Labs	35%		

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

Credit Hour Information:

Distribution of Student Learning Hours

It is anticipated that you will spend a minimum of 37.5 participation hours per credit hour in your course.The estimated time expectations for this course are shown below:

Assignments	Total Course Hours
Reading: Text and Notes	**14**
Written Assignments	**7**
Lectures	**14**
Labs	**65**
Online Quizzes	**5.5**
Written and Programming Exams	**7.5**
TOTAL	**113**

Attendance: Attendance:

Attendance is expected at each class session. In the event of an absence you are responsible for the material covered in class and the assignments given that day. Here is the university's stated policy on attendance:

Regular and punctual attendance at all classes in which a student is registered is considered essential to optimum academic achievement. Therefore, regular attendance and participation in each course are minimal requirements to be met. There are no allowed or excused absences except when absences are necessitated by certain university-sponsored activities and are approved in writing by the Provost. Whenever the number of accumulated absences in a class, for any cause, exceeds ten percent of the total number of class meetings, the faculty member has the option of filing a written report to the Vice Provost for Academic Administration which may result in de-enrollment, pending any resolution of the excessive absences between the faculty member and the student…If the date of de-enrollment is past the last date to withdraw from a class, the student will be assigned a grade of W or WF (no grade). There are no refunds for courses where a de-enrollment was processed." (see catalog for full text)

Because this course is a hybrid course, here is how attendance will be calculated:

Face to face portion of the class: You must be present on time for the full class for you to be considered present in the face to face meeting (lecture or lab). Exception is that if you complete a lab early, you may leave.

Online portion of the class: You are expected to work on material online every week. In order to get credit for being "present" in the online portion of the class each week you must complete at least one online quiz before the due date/time for that week.

If you miss 20% of the class, you can be automatically de-enrolled.

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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. For more details on PLNU's policy go to: http://www.pointloma.edu/experience/academics/catalogs/undergraduate-catalog/point-loma-education/academic-policies 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.

Clarification of what I consider to be "cheating."
Written exams: Using anything besides your brain, writing implement, and anything else I have specifically noted prior to the start of the exam. Usually it will just be your brain and writing implement.

Programming exams: Using anything that connects to another person – from the class or otherwise – while taking the exam.

Online quizzes: Accepting answers, written or verbal, from another person without reading the assigned material yourself and having significant discussion with the other person about the answer. In other words, you may work collaboratively, but you may not just get the answers and write them as your own.

Labs:

- Putting anything into a program that someone else supplied without you understanding how it works.
- Accepting a program file from, or sending a program file to another person where that file is used as the basis for the recipient's program.
- Someone else writing any portion of your code.