

CSC 143: Introduction to Computer Programming

Fall 2013

Instructor:

Dr. Lori Carter
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office: RS 214

Office hours:

Monday 8:30-10 AM
Tuesday 8:30-10:00 AM, 2:30-3:30 PM
Wednesday 8:30-10:00 AM, 2:30-3:30 PM

Thursday 8:30-10:00 AM, 2:30-3:00 PM
Friday 8:30-10:00 AM, 11AM-12PM
Anytime during labs

Text:

Anderson and Franceschi. *Java 6 Illuminated: An Active Learning Approach 3rd Edition*. Jones and Bartlett 2012. We will cover chapters 1-8 in this class. The same text is used for CSC 153. **Textbook should be brought to each class period.**

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.
- 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, class use and design, applications and applets, graphics, animations, conditional statements, arrays, and loops. Students will gain experience writing programs in 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:

Lectures: Cover the highlights of chapters assigned – **not** a substitute for reading. Student versions of the lecture slides can be obtained from: canvas.pointloma.edu

Homework and quizzes: Homework will consist of problems from the book, as well as programming assignments. Homework problems may be discussed among students, but no written notes exchanged. Each student must turn in his/her own work. If homework assignments appear too similar, I will split the points awarded between the individuals involved. **Homework is due at the beginning of lecture.** Homework turned in by the beginning of the next lecture period will be accepted with a 15% penalty. Homework is not accepted later than the next lecture period. In addition, periodic in-class quizzes can be expected. These are to help prepare for exams. **There is no make-up opportunity for a quiz**, although may be taken in advance if necessary. **Quiz dates are currently: Sept. 19, Sept. 26, Oct. 15, Nov. 21.**

Midterm: The midterm (**October 22/24**) will cover lecture as well as lab material from the first 5 chapters of the book. This 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 the midterm for other reasons could result in a grade of zero.

Labs: Labs are due at the beginning of the first lab day for the following week (Tuesday or Wednesday). They will be accepted on Thursday or Friday (depending on your lab) of the same week at a 15% penalty. In general, **they will not be accepted any later.** Occasionally you will be given a longer period of time to complete the lab as noted on the assignment sheet. Discussion of lab assignments is allowed, however, **each individual must**

turn in his/her own work. Points for work that is too similar (**for whatever reason**) will be split between students.

Final Exam: The final exam will be comprehensive, and contain both written and programming portions. **Programming final is at 10:30 on Tuesday of finals week. 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:

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|-------------------|-----|------------|-----|
| 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 | 70-72% | C- | 0-59% | F |

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. 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)

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.