

CSC 133: Introduction to Computer Science and Information Systems: Fall 2012

Instructor:

Dr. Lori Carter
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Office hours:

Monday 8:30-9:30 AM, 2:30-3:30 PM
Tuesday 8:30-10:00 AM, 2:30-3:00 PM
Wednesday 8:30-9:30 AM, 2:30-3:30 PM

Thursday 8:30-10:00 AM, 2:30-3:30 PM
Friday 8:30-10:00 AM
Anytime during lab

Text:

G. Michael Schneider and Judith L. Gersting. *An Invitation to Computer Science, 6th Edition* Thomson Course Technology. 2013. Text chapters 1-8, 14 and 17 along with related labs will be covered. Additional material addressing the Python programming language, Information Systems, GIS and cloud computing is included.

Course Objectives:

- To provide an overview of the fields of computer science and computer information systems to
- Introduce students to basic concepts in computer programming, algorithm efficiency, computer organization, data storage, networking, security, operating systems, database management, and information systems.
 - Discuss ethical issues surrounding the computing field.
 - Give students an idea of how computing is used in other disciplines including business and science.
 - Offer CS and CIS majors a preview of what is to come.

Class Learning Outcomes: Students will analyze the interaction between hardware and software.

Students will use the theory of algorithms and computation to solve problems. Students will use information management as a tool to support decision making in business environments.

Course Organization:

Lectures: Cover the highlights of chapters assigned – **not** a substitute for reading. Student PowerPoint slides will be made available at <\\Happy\Templates\Math and Computer Science\Carter\CSC133>

Homework: Expect homework to be assigned at each class session. Each student must turn in his/her own work. **Homework is due at the beginning of the class lecture period after which it is assigned.** If you have extra time in lab that is a good time to work on, and ask questions about, your homework. Homework may be turned in up to 1 class period after it is due at a penalty of 25% off. **After that, late homework is not accepted.**

Exam: There will be 2 midterm exams. The exams will cover lecture, homework, reading and lab material. Students missing an exam for a school function must arrange to take that exam in advance. Students missing an exam for other reasons may not be allowed to make up the exam and may receive a 0 on that exam. **The midterm exams are currently scheduled for Sept. 20 and Nov. 5.**

Labs: In most cases, lab assignments should be completed during the assigned lab time. At the latest, they are due at the beginning of the lab following the lab period on which the assignment was given unless otherwise indicated. Discussion of lab assignments is allowed, however, **each individual must turn in his/her own work** unless otherwise noted. **Lab attendance is mandatory.**

Final Exam Date and Time: Cumulative exam covering lecture and lab material. **Date: December 11 at 10:30.** 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:

Homework	15%	Labs	30%
Exams	30%	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.