CSC 133: Introduction to Computer Science and Information Systems
Fall 2014

Instructor:

Dr. Jeff McKinstry
jeffmckinstry@pointloma.edu
(619) 849-2269
office: RS 216

Office hours:

Monday	8:30 – 9:20 a.m., 1:30-2:20 p.m.
Tuesday	9:30 – 10:50 a.m.
Wednesday	8:30 – 9:20 a.m., 1:30-2:20 p.m.
Thursday	9:30 – 10:50 a.m.
Friday	8:30 – 9:20 a.m., 1:30-2:20 p.m.

Text:

G. Michael Schneider and Judith L. Gersting. *An Invitation to Computer Science, 5th Edition* Thomson Course Technology. 2010.

K. Lambert and T. Whaley. *Invitation to computer science laboratory manual, 5th Edition*. Thomson Course Technology, 2010.

Text chapters 1-8, 14, 15, and 17 along with related labs will be covered. An additional chapter covering the computer programming language Python is available on the campus network. To access the .pdf file from the "My Computer" application, enter the following directory path in the address field: \\happy\Templates\Math and Computer Science\McKinstry\CSC 133.

Course Objectives:

To provide an overview of the field of computer science to

- Give students an appreciation for the challenging and fascinating areas in the field.
- Introduce students to basic concepts in computer programming, computer organization, data storage, networking, operating systems, database management, and algorithm efficiency.
- Discuss ethical issues surrounding the computing field.
- Offer CS and ISS majors a preview of what is to come.

Class Learning Outcomes: Students will understand the theory of algorithms and computation. Students will understand the interaction between hardware and software. Students will have an understanding of the historical development, contemporary progress and societal role of computer science. Students will understand basic business principles as they relate to information management.

Course Organization:

Lectures: This is a college course. The lecture will cover the highlights of chapters assigned, and I expect that you will reinforce the material covered, and learn additional material by reading the chapters assigned. Lectures are **not** a substitute for reading the textbook. When creating exam questions, I will assume that the students have read the textbook.

Homework: Expect homework to be assigned at each class session. Completing homework assignments in a timely manner is critical to your success in this class. Each student must turn in his/her own work**. Homework is due at the <u>beginning</u> 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 week after it is due at a penalty of 30% off. **After that, late homework is not accepted**.

Exams: There will be 2 midterm exam. The exam will cover lecture, homework, reading and lab material. Students missing the exam for a school function must arrange to take the exam in advance. Students missing the exam for other reasons may not be allowed to make up the exam.

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: Tuesday, Dec. 16th from 10:30 a.m.-1:00 p.m.** 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	10%
Midterm Exams	30%
Labs	30%
Final Exam	30%

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. 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.

Tentative Schedule:

Week of:	**Tues.**	**Thurs.**
Sept. 1	**No class**	Chapter 1 (no lab)
Sept. 8	Chapter 2	Chapter 2
Sept. 15	Chapter 3	Chapter 3
Sept 22	Chapter 4	Chapter 4
Sept. 29	Chapter 5	Chapter 5
Oct. 6	Exam 1 review	**Exam 1 (chapters 1-5; no lab)**
Oct. 13	Chapter 6	Chapter 6
Oct. 20	Chapter 7	Chapter 7
Oct. 27	Chapter 8	Chapter 8
Nov. 3	Chapter 14	Chapter 14
Nov. 10	Chapter 15	Chapter 15
Nov. 17	Information systems	Information systems
Nov. 24	**Exam 2 (chapters 6-8, 14,15)**	**Thanksgiving recess!**
Dec. 1	Python	Python
Dec. 8	Chapter 17	Chapter 17/final review (no lab)
Dec. 15	**Final exam: 10:30 a.m.-1:00 p.m.**	