Overview of Computer science  
CSC-101  
Spring 2017  

Instructor: Daniel A. Cañas  
Office: MAN #249  
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Office hours: TR-TH 2:00-1:30 pm, by appointment or anytime I’m in the office.  
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Textbook:  
or through WFU bookstore  

Objectives:  
To develop an understanding of the field of Computer Science. Topics include: problem solving, algorithms, computer architecture, systems organization and system software.  

Associated website: Sakai  
Web page will be kept up to date and is your first source of information. All slides/assignments/home-works/labs/etc. will be posted. Most materials will be posted electronically rather than distributed as handouts.  

Course description:  
This course will introduce the student to the filed of computer science and what computer scientists do. Programming is just a tool as calculus is a tool for mathematicians. The course will cover topics from how a computer actually work to how use a computer to solve complicated problems.  

Lab: This course has a lab associated with it. Attendance to all lab sessions is highly recommended since it forms an integral part of the course.  

Grading Policy:  
Homework: 15%  
Exams: 25%  
Labs: 30%  
Extras: 5%  
Final Exam: 25%  

*If you have a disability that may require an accommodation for taking this course, then please contact the Learning Assistance Center (758-5929) within the first two weeks of the semester.
Topics

1- Introduction  Chapter 0
2- Data Storage  Chapter 1
3- Data Manipulation  Chapter 2
2- Operating Systems  Chapter 3
4- Networking and the Internet  Chapter 4
5- Algorithms  Chapter 5
6- Programming Languages  Chapter 6
**Assignments:** Expect to be busy with assignments - most of the time there will be an outstanding assignment of some kind so plan accordingly. You should consider the due date to be a **hard deadline.** All assignments must be typed and turned in as instructed. **No emails will be accepted.** If you believe that you have some extenuating circumstances talk to me early and as much in advance before a deadline as possible—last minute requests are strongly discouraged.

**Grading:** If you feel you have been miss graded on a home-work/lab contact your TA within **one week** from the date the assignment was returned to you. If you do not agree with the TA's decision, feel free to contact me directly but in either case, no grade changes will be made if you did not contact your TA within **one week.** If the miss-graded paper is a test, contact me directly, also within **one week** from the date the test was returned to you. No grade changes will be made if you did not contact me within **one week.**

**Extras:** Include class participation, extra assignments, trivia quizzes, piazza participation...

**Cheating:** Don’t do it! If you get caught the consequences are very unpleasant. All submitted work must be **exclusively** your own and must have the following pledge written and signed:

“I have neither received nor given unauthorized aid on this assignment (test/homework/lab).”

Unsigned work will **not** be graded. Make sure you understand everything that you have submitted because you may be asked to explain it in case there are similarities that look less than accidental.

**Cheating is** (but not limited to):

- Copying, in whole or in part, the solutions of former students, current students, or any other human being, alive or dead. “Copying” includes transmission through email, the Web, smoke signals, or any other means.
- Obtaining solutions from the Internet or other archival sources.
- You are not allowed to even look at a solution.
- Discussing assignments at a high level for clarification, discussing problems concerning the computing equipment, and studying in groups for examinations is not cheating, but every word you type for programming and written assignments must be your own!

If you have any questions about acceptable teamwork - ask.

**Class participation:** You are expected (and **strongly encouraged**) to attend and participate in all lectures, labs, web forums, blog and take notes as necessary. Experience shows that there is a strong correlation between regular class participation and good grades. Your attendance (physical presence) is not a formal requirement and, therefore:

- **If you miss** a class it is entirely your responsibility to find out about the covered material and catch up.
- **If you miss** a test due to a medical (or other) emergency be prepared to show some proof in order to get a make up.

**Laptops/Cel-phones:** Laptops/Cel-phones are **not** allowed in the classroom unless you have been instructed to bring them to class/lab.

**Food:** No food will be allowed in the classroom unless you share with the rest of the class.

**How to succeed in this class:**

- Read the assigned topic from the book before and after the class.
- Take advantage of the PDF slides to save effort in taking notes.
- Pay attention and participate in the class discussions. If you plan on snoozing in class you should consider taking rest in bed instead.
- Solve the problems after each covered chapter.
- If you don’t understand something get help **early.**
- Start work on assignments/home-works/labs **early.**
- Come to office hours prepared with **specific** questions or just to chat for a while.

**Etiquette:** Come to class on time—be considered to your fellow students. Coming late to class interrupts the lecture and distracts me and the students.

**Special cases:** If you have any special circumstances come and talk to me privately **this week.** If circumstances arise during the semester inform me ASAP.

**Privacy:** As a university policy, your grades and personal information are confidential – I will discuss them with you **only** in person (no email/phone inquiries).