Course Syllabus

CSC-225: Introduction to Computer Organization

Course Objectives

1. To understand how instructions are used to control a computer.
2. To understand how high-level languages correspond to assembly and machine code.
3. The ability to write full programs in assembly language.
4. The ability to control I/O devices from an assembly program.

Prerequisites: CSC/CPE 202.

Recommended Texts: NONE. All course materials are published on Canvas.

Plagiarism

Cooperative work is an important part of learning; you are encouraged to study together, discuss the lectures, laboratory concepts and computer architecture issues. But **DO NOT**,

- turn in duplicate work (even one line or code or comment)
- copy work (even one line) from another student's assignment or student's write-up.
- copy work (even one line) from a published source without credit.
- lend another student your assignment assignment or write-up.
- look at someone else's working code to fix your problem
- write part (even one line) of another student's assignment.
- e-mail or transfer any of your files to another student.

Remote Learning

This is a synchronous remote course. This class is a remotely taught synchronous lecture/lab class, not an online virtual course. It is expected that you will attend lectures. A personal computer (whether laptop, desktop, or tablet) is required to participate in lectures. Cellphones and other personal communication devices smart watches, smart glasses etc.) are strictly prohibited during lectures, exams and quizzes unless explicit permission is given. Please turn off all device and portal notifications(such as twitter, facebook, etc).

I will post recordings of the lectures at the end of each week

During class time please be respectful of everyone else's learning environment. Please mute your microphone unless asking a question or participating in discussions.
I welcome and encourage video backgrounds as they can make the ZOOM lectures a bit more interesting but please be respectful. Do not use offensive, distracting, or animated backgrounds. I can and will disable video on students who violate these terms. As a reminder, students that use offensive backgrounds are subject to disciplinary action by the Office of Student Affairs.

Email and Class Communication

Course materials are provided through the Canvas Portal. I will make any announcements in the discussions page of the course Canvas Portal. Expect to check the discussions page regularly so that you do not miss an announcement.

I only use Cal Poly for email communication. **Only send emails to me from your Cal Poly email account.** Due to the large amount of spam, phishing, or worse, off campus email is largely filtered or ignored.

quarter rather than large monolithic midterms. The quizzes contain comprehensive questions meant to evaluate your understanding of the material and ability to apply it.

Assignments:

Assignment due dates and times are posted on each assignment. Assignments are submitted through the Cal Poly UNIX account using the command-line tool “handin”. Access to the Cal Poly UNIX account requires the use of the Cal Poly VPN. You are responsible for being able to access and use the Cal Poly UNIX accounts. This is a computer science course and you are aspiring computer science professionals. Being able to use the tools of the trade is a natural part of any profession, and thus is an expectation of this course. I will only accept submissions by email if there is a verifiable outage reported by Cal Poly ITS.

Your submission is what is graded. Be careful to ensure that you re-submit your updated code if you make changes on demo day.

Late Policy

I will accept a single late assignment before the start of the next class period, if an initial submission was made on time. Turn in what you have on-time, then turn in your working code late for half credit. Your late submission will only be accepted if what you turn in on-time is an honest attempt to complete the assignment. The point of this policy is to provide support for those struggling with the assignment while not rewarding procrastination. Assignments that were sent to me by any means other than handin must be resubmitted by handin as a late submission.

Unless otherwise specified, assignments are to be your own sole effort. You may study with classmates, but the work you turn in must be your own.

35% - Lab Assignments: Open book, open notes. No cooperative work unless explicitly stated

35% - Quizzes: Open book, open notes. No cooperative work.

30% - Final Exam: Open book, open notes.

A: 90%-100%, B: 80%-89%, C: 70%-79%, D: 60%-69%, F: below 60%

COVID-19 Campus Safety Measures

Be sure to read and understand the "COVID-19 Campus Safety Measures" statement on the canvas page. Understand the implications of the following statement:

Those students who refuse to or cannot comply with COVID-19 related health/safety measures, such as wearing a mask in public spaces may infect others if they are ill, and such can be considered as creating a danger or "direct threat" to the health and safety of those around them.

Accomodations

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact both your instructor and the Disability Resource Center, Building 124, Room 119, at (805) 756-1395, as early as possible in the term.