

## **CSC/CPE 123 Introduction to Computing - Mobile Fall 2010**

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**Course Description:** This course will explore computing and software development by designing and developing apps for mobile devices.

### **Objectives**

- Understand the key elements necessary for a successful mobile application.
- Understand basic mobile application design and be able to apply that knowledge to the creation or critique of a simple app.
- Gain a working knowledge of applying a software development process.
- Create basic, interactive Android applications using AppInventor and Java/Android.
- Gain experience working in teams.
- Write small programs and understand the following basic programming language concepts: control flow, looping, functions, and data structures.

**Prerequisites:** Basic computer literacy. No programming experience is required. Not for students with credit in CPE/CSC 103.

**Texts:** There are no required texts. However, you might consider buying an Android book such as Professional Android 2 Application Development.

### **Schedule**

- Section 13/14: TR, Lecture(9:40-11), Lab(12:10-1:30)
- Section 15/16: TR, Lecture(1:40-3), Lab(3:10-4:30)
- All meetings in building 14, room 256

### **Classroom Etiquette**

You are expected to conduct yourself in a professional and civil manner. We want to have fun, but maintain a safe, positive, and productive environment at all times. You should not use any electronic devices (e.g. phones, ipods, computers) except as part of the course activities. You should not bring food to the classroom. You should clean up after yourself. You should not use foul language, or make fun of others. You should respect each other's personal space. The lab can get crowded, so be respectful. Failure to do any of these things will reduce your participation grade, and could result in you being dropped from the course.

### **Communication**

The best place to discuss the course is during lecture and laboratory times. The main communication tool for the class will be the online course schedule, a Google group, and

individual portfolios. Students will be expected to check the first two on a daily basis. Posts to the group should never criticize people. Constructive criticism of artifacts and ideas is acceptable. All assignments will be placed on the course web site and/or announced in lecture. Most class materials are available on the course web site; be sure to check regularly.

Email will only be used for special circumstances, such as communicating time sensitive information. All students are expected to have their calpoly.edu email accounts forward to wherever they will read email at least daily. If you use email, put CSC 123 on the subject line to get the best response time. Leaving phone voicemails should be a last resort.

## **Grading**

Labs/Assignments/Quizzes: 25%

Project #1: Milestone 1 (5%), Milestone 2 (10%)

Project #2: Milestone 1 (5%), Milestone 2 (5%), Milestone 3 (15%)

Participation: 10%

Midterm: 10%

Final: 15%

Assignments will generally be incorporated into lab assignments. At least two programming quizzes will be given. The first one on October 7 will not affect your grade. It is simply to determine what you already know. Additional quizzes may be given.

The midterm exam will be given on Thursday, October 26 during the lecture time. The final exam will be according to the university final exam schedule (see the course schedule). The exams will be written, but may also contain an on-line programming component. The exams will be closed book/notes/friends/web.

You are expected to attend and fully participate in every lecture and lab meeting and activity. Full participation includes things like listening, asking good questions, working on the assigned task. Participation grades will be determined a variety of ways. On some days, attendance will be taken. On other days, you may be asked questions about recent work. On other days, you may be asked to turn in an artifact from the day's activities. More than three absences, for any reason, will result in a zero for your participation grade.

Scores will be available on Blackboard which is accessible from MyCalPoly.

Letter grades: 100%-90% A, 89%-80% B, 79%-70% C, 69%-60% D, 59%-0% F.

Except for exceptional circumstances (e.g. a limb fell off), late assignments will not be accepted.

In general, there will be very few opportunities to cheat in this course. We will do a lot of work in pairs and teams. However, when you are asked to do individual work, it must be your own work. Even if you are working with someone else, if you use something from someone other than your partner/teammate, attribute the use with an appropriate reference (e.g. a comment of where you got it). Suspected incidents of **academic dishonesty** will be reported to the [Office of Student's Rights and Responsibilities](#). If guilty, the student will receive an "F" in the course.