Course Number: CSC 211
Course Title: Introductory Software Laboratory
Number of Credits: 1
Schedule: Two laboratory hours per week.
Grading: Credit/No credit
Prerequisite: None

Catalog Description
Hands on exercises in programming, and use of basic SW development tools. Covers
procedural, object oriented, C++ and Java programming. Strongly recommended for CSC
210 students and others needing hands-on experience. Students are encouraged to bring
their own laptops.

Expanded Description
Environment setup (MacOS X, Linux, Windows/Cygwin)
Input/output
Control structures
Arrays/strings
Files
Functions/classes
Compiling with makefiles
Debugging and testing

Course Objectives and Role in Program
The objective of this course is:
• To provide hands-on programming activities to supplement and amplify the
material covered in CSc 210, 209, 203 or 213.
Students will work through a number of programming exercises during each lab session.
211 was designed when the department perceived a need for students to have more
hands-on programming activities to supplement the assignments in early programming
courses. It is not required of majors, but serves as a support lab for 210, 209, 203 and
213.

Learning Outcomes
At the end of this course students will be able to
• Write simple programs or modules in C, C++ or Java
• Test simple programs and debug them

Method of Evaluation
Student learning will be evaluated on the basis of attendance at lab sessions

Required Textbooks
None; most materials on website: http://thecity.sfsu.edu/~csc211/

Modified by: W. Hsu
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