

Computer Science 60

Intro. to C, C++, and Unix

- Pre-requisite: CS 20
 - Assume Java programming proficiency on Windows
 - Also assume familiarity with fundamental data structures and algorithms, and OOP concepts
- Main emphasis is on C and C++ programming
 - Learn Unix by doing – also focus of Friday sections
- Main goal: prepare for upper division CS courses
 - *Able* to read and write C and C++ programs on Unix

Lecture plan

- First 4-5 weeks – C
 - Read all of K&R book – focus on chapters 4-7
 - Skim over chapters 1-3, just touch on chapter 8
- Next ~5 weeks – C++
 - Read most of Nagler book – focus on C++ differences from C and Java
 - Skim over OOP concepts (throughout)
- Last couple of lectures – Unix shell programs
 - And other [scripting languages](#) – reading TBA

Requirements

- Assignments – 30%
 - Expect 5-7 programming projects
 - Must be *individual* efforts
- Two midterm exams – each 20%
 - Probably October 16 and November 6 (both Fridays)
- Cumulative final exam – 30%
 - Wednesday, December 9, 12:00-1:30pm
- Also must monitor the course's web pages, starting at <http://www.cs.ucsb.edu/~mikec/cs60>

To-Do – *first week*

- Sign up/verify CSIL accounts – this is mandatory
 - Learn about UNIX by using your CSIL account
- Do assignment 0
- Go to discussion section starting next Friday
- Read K&R chapters 1-3
 - Also start chapters 4-5
- Questions?