Computer Engineering 175
Introduction to Formal Language Theory
and Compiler Construction

Winter 2008
Tuesdays and Thursdays
9:55 am − 11:40 am

Instructor

Instructor: Darren Atkinson
Office: Bannan Engineering, Room 245
Office hours: Tuesdays and Thursdays, 1:30 pm − 2:30 pm
Web page: http://www.cse.scu.edu/∼atkinson/teaching/wi08/175/
E-mail: datkinson@scu.edu

Teaching Assistant

Teaching assistant: Cesar Philippidis
Lab hours: Tuesdays, 2:30 pm − 5:00 pm, and Wednesdays, 2:15 pm − 5:00 pm
E-mail: cphilippidis@scu.edu

Textbook

Required: Cooper and Torczon, *Engineering a Compiler*, Elsevier, 2004
Recommended: Mason, Levine, and Brown, *lex & yacc*, O'Reilly, 1992

Grading

Midterm exam: 20% (2/12)
Final exam: 40% (3/20)
Project: 40% (1/16, 1/25, 2/6, 2/20, 2/29, 3/14)

Overview

This course will discuss the theory and practice of building a compiler. The exams will cover the theoretical aspects of formal languages and compiler design and implementation. The project will require you to build a compiler for a subset of the C language. You will implement the project in either the C or C++ programming language. All work must be done individually. The project will be delivered and graded in several stages.

Policies

Students are bound by the Santa Clara University Academic Integrity Policy and School of Engineering Honor Code. Collaboration on project assignments and reuse of assignments from previous classes are not allowed and are an explicit violation of these policies. Additionally, all requests for regrades must be made within one week of the assignment or exam being returned to the class, regardless if you are present when it is returned.