

# Computer Engineering 175

## Introduction to Formal Language Theory and Compiler Construction

Winter 2007  
Mondays, Wednesdays, and Fridays  
1:00 pm – 2:05 pm  
ENGR 105

### Instructor

Instructor: Darren Atkinson  
Office: ENGR 245  
Office hours: MW 2:15 pm – 3:30 pm and F 9:15 am – 10:30 am  
E-mail: datkinson@scu.edu  
Web page: <http://www.cse.scu.edu/~atkinson/teaching/wi07/175>

### Textbooks

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

### Teaching Assistant

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

### Grading

Midterm exam: 20% (2/14)  
Final exam: 40% (3/23)  
Project: 40% (1/16, 1/26, 2/6, 2/20, 3/2, 3/16)

### Overview

This course will discuss the theory and practice of building a compiler. The exams will mostly cover the theoretical aspects of formal languages and compiler design. 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. 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.