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
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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.