Computer Engineering 175
Introduction to Formal Language Theory and Compiler Construction

Winter 2006
Tuesdays and Thursdays
9:55 am – 11:40 am
ENGR 105

Instructor

Instructor:	Darren Atkinson
Office:	ENGR 245
Office hours:	Tuesdays and Thursdays, 1:30 pm – 2:30 pm
E-mail:	datkinson@scu.edu
Web page:	http://www.cse.scu.edu/~atkinson/teaching/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:	Munawer Saeed
Lab hours:	Mondays, 2:15 pm – 5:00 pm and Tuesdays, 2:30 pm – 5:00 pm
E-mail:	munawer22@yahoo.com

Grading

Midterm exam:	25% (2/14)
Final exam:	35% (3/23)
Project:	40% (1/18, 1/27, 2/8, 2/22, 3/3, 3/17)

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.

Please note that 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.