CS5331 : Crafting Compilers
Spring 2010

INSTRUCTOR	Apan Qasem Nueces 218 (512) 245-0347 apan@txstate.edu
WEB	http://www.cs.txstate.edu/~aq10/cs4318/index.html
OFFICE HOURS	Tuesday 2 - 4 PM Thursday 2 - 5 PM (or whenever my door is open)
LECTURES	Tuesday and Thursday, 5:00 - 6:20, ALK ARR/ AVRY 364
TEXT	Keith D. Cooper and Linda Torczon, *Engineering a Compiler*
PREREQUISITES	C or higher in CS 3358 : Data Structures
COURSE DESCRIPTION	This course investigates both theoretical and practical issues in the design and construction of program translators. Topics include lexical analysis, syntactic analysis, semantic analysis, code generation and optimization.
EVALUATION	The break-up of the grading scheme is as follows:

Class Participation	5%
Homework/Quizzes	10%
Assignments	65%
Midterm	10%
Final	10%

This is a programming intensive course. A good portion of the grade will be based on four programming assignments focused on the four major phases of a compiler. In addition, students will gain experience in technical writing by providing a written report with their nal programming assignment.

Rules for class participation will be discussed in the first class.

LATE POLICY   You get three *slip* days over the semester. You may use these slip days for an automatic extension on any homework or programming assignment. (Note, the slip days do NOT apply to the exam). If you turn in a late assignment after you have exhausted your slip days, it will be graded based on the following scheme:

days late	points off
1	10%
2	30%
3	50%
> 3	100%

ATTENDANCE POLICY   Come to class!

MAKEUP POLICY   Make up exams will only be given in exceptional situations, i.e., a documented medical emergency. Talk to the instructor for other examples of exceptional situations.

WITHDRAWAL POLICY   We will follow the withdrawal and drop policy set up by the University and the College of Science. You are responsible for making sure that the drop process is complete. The last day to drop the course with an automatic W is Mar 25. You are encouraged to talk to the instructor before you decide to drop the course.

ACADEMIC HONESTY   You are expected to adhere to the University's Academic Honor Code as described in `http://www.txstate.edu/effective/upps/upps-07-10-01.html`. Unless otherwise stated, all assignments are to be done individually. You may discuss general strategies for attacking assignment problems with other students in the class but you must write your own code. You will be working in pairs for the final programming assignment. The rules for collaboration on that assignment will be explained at the time the project is assigned.

ADA COMPLIANCE   Any student with a disability requiring special accommodations should inform me during the first two weeks of classes. The student should also contact the office of disability services at the LBJ student center.