

BU CAS CS 525: Compiler Design

(Syllabus)

- **Semester** Spring 2004
- **Instructor:** Hongwei Xi
- **Lecture Times:** MWF 2-3PM
- **Classroom:** KCB 103 @ 565 Commonwealth Ave
- **Textbook:** *Modern Compiler Implementation in ML* by Andrew W. Appel. ISBN 0-521-58274-1. Cambridge University Press.
- **Homepage:** <http://www.cs.bu.edu/~hwxi/academic/courses/CS525.html>
- **Overview:** *Compiler Design* is a course that introduces students to some basics in the design and implementation of compilers. In this course, we are to teach the theory behind various components of a compiler, the programming techniques involved to put the theory into practice, and the interfaces used to modularize the compiler. In particular, we choose Standard ML (SML) as the implementation language, allowing students to learn first-handedly as to how the module system of SML can be used effectively in constructing (relatively) large programs.
- **Grades** The final score is calculated using the following formula.

$$\text{final score} = 50\% \cdot (\text{homework}) + 20\% \cdot (\text{midterm}) + 30\% \cdot (\text{final})$$

The final letter grade is calculated as follows.

- **A:** final score is 80% or above
- **B:** final score is 70% or above
- **C:** final score is 60% or above
- **D:** final score is 50% or above