

CS536 Introduction to Programming Languages and Compilers
University of Wisconsin-Madison
Spring 2015

Course website: <http://pages.cs.wisc.edu/~cs536-1>

Course Description: CS 536 is an introduction to the theory and practice of compiling. It includes some aspects of language design and their impact on compiler design. We will cover scanning and regular expressions, context-free grammars and parsing, syntax-directed translation, abstract syntax trees, scoping, symbol tables, code-generation, and basic optimization. There will be a large semester-long programming project (broken down into 6 separate assignments) involving writing a compiler for a very simple language.
Prerequisites: CS367 and either CS 354 or CS 552

Lectures: Tuesday and Thursday 9:30 AM – 10:45 AM in CS 1221
Jan 20 – May 7, 2015

Instructor: M. Hidayath Ansari (ansari@cs.wisc.edu)
Office Hours: Tuesday and Wednesday 11 AM – 12 PM + by appointment
6795 Medical Sciences Center

Teaching Assistant: Dillon Skeehan (dskeehan@cs.wisc.edu)
Office Hours: Monday 12 – 1:15 PM, Wednesday 3:45 – 5 PM
1306 Computer Sciences

Grading:

Homework assignments: 20% (~10 in total)
Programming assignments: 40% (~6 in total)
Midterm exam: 20% (In class, Thursday, March 12 2015)
Final exam: 20% (10:05 AM – 12:05 PM, Sunday, May 10, 2015)

There is no assigned textbook for the course, although there will be readings provided for most topics.

See course website and the outline for the first class for more information.