

CS367 Introduction to Data Structures
University of Wisconsin-Madison
Summer 2014

Course website: <http://pages.cs.wisc.edu/~cs367-1>

Course Description: This course will cover the concepts, implementation, analysis, and applications of a variety of basic and advanced data structures, including linked lists, stacks, queues, trees, heaps, graphs, hash tables, and more. It will also cover a limited number of algorithms operating on the data structures above, and in addition also cover sorting, searching, and recursion. This course will provide experience in the use of an object-oriented programming language (Java).

Lectures: MTWR 11 AM – 12:15 PM in Psychology 121
June 16 – August 7, 2014

Instructor: M. Hidayath Ansari (ansari@cs.wisc.edu)

Office Hours: Tuesday and Wednesday 12:30 – 1:30 PM + by appointment
Medical Sciences Center 6795

Teaching Assistant: Aditya Singh (asingh36@wisc.edu)

Office Hours: Monday 1:30 – 2:30 PM (Computer Sciences 1301)

Lab Hours: Thursday 3 – 4 PM (Mumble Lab, Computer Sciences)

Grading:

Homework assignments: 24% (7 or 8 in total)

Programming assignments: 26% (3 or 4 in total)

Midterm exam: 20% (In class, Thursday July 10 2014)

Final exam: 25% (In class, Thursday August 7 2014)

Class Participation: 5% (including attendance, Piazza, and office hours)

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