

CS 302-2D  
OBJECT ORIENTED DESIGN  
SPRING 2006

INSTRUCTOR            John Ranelli  
                         113 Campbell Hall  
                         [ranelli@cis.uab.edu](mailto:ranelli@cis.uab.edu)

Office Hours        Monday and Wednesday     4:15 - 5:15  
                         Tuesday and Thursday     1:45 - 2:45  
                         or by appointment

PREREQUISITES      CS201, *Intro to Object Oriented Programming using Java*  
                         MA125, *Calculus I*  
                         Both with a "C" or better.

All students MUST have a knowledge of the Java programming language equivalent to a grade of "C" or better in CS-201.

OBJECTIVES         This course is designed as a continuation of CS201. It will cover such topics as inheritance, algorithm analysis, recursion, sorting, linked lists, stacks, queues, trees (general and binary), and hash tables.

REQUIRED TEXTS    *Data Structures and Problem Solving using JAVA, Third Edition*, by Mark Allen Weiss, Addison-Wesley.  
Note: This course will begin with Chapter 4. The first three chapters of the textbook are a review of basic Java concepts, which are topics in CS201

WEB SITE            Lab exercises and assignments will be posted on the course web site. Go to [www.cis.uab.edu/ranelli](http://www.cis.uab.edu/ranelli) and click on CS302.

GRADE BASIS        Your course grade will be determined as follows:

Lab Attendance	10%	Every Tuesday (except 3/28)
Programming Exercises	16%	
Class Exam I	16%	Thursday, February 9
Lab Midterm	13%	Tuesday, February 28
Class Exam II	16%	Thursday, March 16
Lab Final	13%	Tuesday, April 25
Class Exam III	16%	Tuesday, May 2 <u>** 10:45 AM **</u>

PROBLEM SETS       There will several Java homework programs which will reinforce the material covered in the lectures and laboratories. These programs will require Sun Java. Programming assignments can be done in CH154 or on any PC having the required software.

## **Class Policies**

**Lab attendance is mandatory.**

**Students must be present for ALL exams.**

**The last class exam is not comprehensive.**

**There are NO makeup class exams or lab exams.**

**Students may NOT use computers (desktop or laptop) during class lectures unless the instructor gives permission.**

**All cellular phones must be turned OFF during class or lab.**

**All pagers must be turned OFF or set to SILENT mode during class or lab.**

**The last day to withdraw is March 7. It is the responsibility of the student to deliver drop forms to the office of the registrar.**

**Class and lab begin at the designated times. Arriving late or leaving early is not allowed.**

**Food and beverages are not allowed in class or lab.**