Course: CS1440: Computer Science I
Time & Location: 12:40-03:30PM MTuWThF, CAP337, May 25 – June 25
Description: A study of various object-oriented programming concepts with emphasis on using objects and methods, expressions and assignment, control structures, defining your own methods and parameters, input and output, designing classes, collections and arrays, simple searching and simple sorting. All programming is in Java
Prerequisite: MAT 1020 or 1025 or equiv. with a grade of C- or higher

Instructor: Barry L. Kurtz (www.cs.appstate.edu/~blk)
Office/Phone: 119 CAP Bldg., 828-262-7008
Office hours: MTuWTrF 9:30 -11:15 or by appointment

Text: Objects First with Java: A Practical Introduction using BlueJ, David J. Barnes & Michael Kölling, Prentice-Hall

Grading Policy:
- Exercises/Homework and class participation 9%
- Labs and Programming Assignments 30%
- First Exam 18%
- Second Exam 18%
- Final Exam 25%

These percentages represent guidelines and may vary during the semester. The final exam will include a laboratory component. Examination grades will be curved when the exams are returned so that you will have a good indication of your relative class standing.

Labs and Programming Assignments
All programming will be completed in Java. Some work will be completed during the laboratory sessions; other work will be completed outside of class. For those students wishing to take CS2440 in the Fall semester (the last time this class will be taught in C++) supplemental instruction will be available in the differences between Java and C++.

Course Objectives
1. Introduction to object-oriented program development using Java
2. Learn basic programming principles, such as program design, algorithm design, divide and conquer strategy, and object-oriented design
3. Learn basic programming techniques, such as entering and compiling a program, using input/output, flow of control, using data structures, debugging a program, and program documentation

FINAL EXAM: Friday, June 25, 12:40-03:30PM
Teaching Philosophy
This course will follow the textbook closely. Supplemental materials from other sources may also be included, particularly if you plan to take CS2440 in the Fall semester in C++. There will be a strong emphasis on learning from examples. Selected notes from the lecture will be available on the instructor’s website. Exams will be based on lecture materials, exercises, and labs.

Attendance Policy
All students are expected to attend class unless absent with a valid, documented excuse, such as a note from the infirmary. Class attendance and participation is part of the final grade.

Program Submission Policy
You will not formally submit your programs other than submitting a hard copy of requested materials. The instructor will examine your programs in your own directory therefore it is critical that you keep all files to be graded on the “cs” machine even when you may work on your personal computer. The directory path on the cs machine should be 1440 and a subdirectory indicating the name of the activity. These names will be given to you at the time of the assignment.

Late Submission Policy
No programs, exercises, or other course components will be accepted late unless accompanied by a valid, documented excuse, such as a note from the infirmary.

Communications Policy
Your email account on the “cs” machine will be used to communicate detailed course information. You are required to check your email once a day during the school week.

Collaboration Policy

PROGRAMMING ASSIGNMENTS
Discussion of the assignment with the instructor is encouraged. Discussion of the assignment requirements in a natural language (e.g., English) with fellow students is allowed, but sharing code in any manner (files, printouts, screen images) is forbidden unless it is a group assignment, in which case you can share with group members.

EXAMS
No discussion of any kind, except with the instructor, is allowed during exams. Access to books, notes or other material is strictly forbidden.

FINAL EXAM: Friday, June 25, 12:40-03:30PM