Course: CS1440 : Computer Science I
Time & Location: 12:40-03:30PM MTuWThF, CAP337, May 27 – June 27
Description: A study of various programming concepts with emphasis on expressions and assignment, simple control structures, functions and parameters, input and output, designing classes, advanced control structures, arrays, simple searching and simple sorting. All programming is in C++.
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 MTuWThF 9:30 -11:15 or by appointment

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. 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 C++. Some work will be completed during the laboratory sessions; other work will be completed outside of class.

Course Objectives
1. Introduction to object-oriented program development using C++
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, heterogeneous and homogeneous data structures, debugging a program, program documentation

Schedule of Topics A detailed schedule of topics is provided on a separate sheet.

FINAL EXAM: Friday, June 27, 12:40-03:30PM
**Teaching Philosophy**
This course will follow the textbook very closely. Supplemental materials from other sources may also be included. There will be a strong emphasis on learning from examples. 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. The instructor reserves the right to raise or lower a student’s grade based on class attendance and participation.

**Program Submission Policy**
You will not formally submit your programs other than submitting a hard copy of the 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 lab1 through lab11 respectively. You will learn how to set up this directory structure during the first lab 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.