CIS 111 – Fundamentals of Computer Programming  
Spring 2015  

Course Syllabus

Coordinator: Julie Thornton  
Coordinator E-mail: juliet@ksu.edu  
Office Hours: By appointment in Nichols 228  
Course Webpage: After logging on to online.ksu.edu, click “CIS 111”

Teaching Assistant: TBA

Lecture: All lectures are available on K-State Online  
Lab: Mondays 3:30-5:20 OR Tuesdays 2:30-4:20 in Nichols 21

Required Textbook: There is no required textbook. Lecture notes will be posted on K-State Online.

Prerequisite: There is no prerequisite to CIS 111, but the course will be much easier for you if you have taken MATH 100 (College Algebra) and have basic knowledge of how to use a computer.

Objectives: Learn the fundamentals of writing computer programs – specific instructions in a language that the computer can understand. Every computer application you use (such as video games, Microsoft Office products, PaintShop Pro, etc.) and every interactive website you visit is the result of a computer program. In this class, we will learn to write computer programs in Java – however, the skills we will develop will apply to all programming languages.

The following topics will be covered:
- Introduction to computer programming
- Designing algorithms by hand
- Output, user input
- Variables and operations
- Conditional statements
- Flowcharts of program flow
- Loops
- Arrays
- Strings
- Methods
- Reading from and writing to files

Programming Language/Software: All course projects must be written in Java and submitted as zip files. We will be using the BlueJ development environment in lab and in the lectures. More information on BlueJ and on compiling and running Java programs is available on K-State Online.
Graded Work:
- Exams ......................... (50%)
- Programming projects ....... (33%)
- Labs .............................. (7%)
- Written homework .......... (10%)

Grading Scale: A: 100-90.0, B: 89-80.0, C: 79-70.0, D: 69-60.0, F: below 60

Projects: There will be around six programming projects, which will all be available on K-State Online. Each assignment will be announced during lab and by e-mail. (Course announcements will be sent to your K-State e-mail address.) Late assignments will not be accepted. All projects are to be completed individually.

Written homework: Most weeks will require a set of “pre-lab” exercises. These will be submitted at the beginning of lab, and the lab instructor will go over the solutions during the lab. Late submissions (beyond 5 minutes past the start of class) will not be accepted. Written homework will be posted by the end of the day Thursday the week before the lab.

Labs: There will be around 11 lab activities throughout the semester. Lab activities must be completed during the lab period unless a makeup lab is approved by the instructor prior to the lab time.

Exams: There will be four closed-book, closed-notes exams throughout the course. Makeup exams will only be permitted with prior authorization from the instructor.

Course Policies

Drop Policy: It is your responsibility to drop the course if you are enrolled but decide not to complete the course --- there are no “automatic” drops due to nonattendance.

Honor System: Kansas State University has an Undergraduate Honor System based on personal integrity which is presumed to be sufficient assurance in academic matters one's work is performed honestly and without unauthorized assistance. Undergraduate students, by registration, acknowledge the jurisdiction of the Undergraduate Honor System. The policies and procedures of the Undergraduate Honor System apply to all full and part-time students enrolled in undergraduate courses on-campus, off-campus, and via distance learning.

A component vital to the Honor System is the inclusion of the Honor Pledge which applies to all assignments, examinations, or other course work undertaken by undergraduate students. The Honor Pledge is implied, whether or not it is stated: “On my honor, as a student, I have neither given nor received unauthorized aid on this academic work.” A grade of XF can result from a breach of academic honesty. An XF would be failure of the course with the X on the transcript indicating failure as a result of a breach of academic honesty.
**Academic Honesty:** Kansas State University has an Honor System based on personal integrity, which is presumed to be sufficient assurance that, in academic matters, one's work is performed honestly and without unauthorized assistance. Undergraduate and graduate students, by registration, acknowledge the jurisdiction of the Honor System. The policies and procedures of the Honor System apply to all full and part-time students enrolled in undergraduate and graduate courses on-campus, off-campus, and via distance learning. The honor system website can be reached via the following URL: www.ksu.edu/honor. A component vital to the Honor System is the inclusion of the Honor Pledge which applies to all assignments, examinations, or other course work undertaken by students. The Honor Pledge is implied, whether or not it is stated: "On my honor, as a student, I have neither given nor received unauthorized aid on this academic work." A grade of XF can result from a breach of academic honesty. The F indicates failure in the course; the X indicates the reason is an Honor Pledge violation.

**Attendance Policy:** You are responsible for all material presented in class. If you must be absent, please ask the instructor or a fellow student what was covered. Makeup exams may be considered, but only if you contact the instructor before the class period.

**Collaboration Policy:** Every line of work on all submitted assignments must be your own, and any form of copying or collaboration will be considered *plagiarism*. Students who submit projects that are identical or similar to that of another student, whether from collaboration or copying, will receive a zero on that assignment. (If you complete an assignment individually and then let another student copy it, then you are also guilty of plagiarism and will also receive a zero.) Similarly, you are guilty of plagiarism if you submit a project that is similar to an online post or to a solution (from the instructor or from another student) from a past semester, and in both cases you will receive a zero. Students who plagiarize more than one assignment will be reported to the Honor Council. Remember that programming is like essay-writing – two individual solutions may both be correct, but they will look different.

**Academic Accommodations for Disabled Students:** Any student with a disability who needs a classroom accommodation, access to technology or other academic assistance in this course should contact Disability Support Services (dss@k-state.edu) and/or the instructor. DSS serves students with a wide range of disabilities including, but not limited to, physical disabilities, sensory impairments, learning disabilities, attention deficit disorder, depression, and anxiety. Please contact the instructor within the first three weeks of class.