CSCI 1301 – Introduction to Programming Principles
Fall 2010

Course Information
Class Time/Location: Section 02 MWF 11:00–11:50 a.m. Science Center 1503A
Instructor: Mr. Christopher Williams
Office: Science Center 272
Office Phone: 912.344.3263
email: chris.williams@armstrong.edu
Office Hours: MW 1:30–3:30 p.m., or by appointment
References: cs.armstrong.edu/liang/intro8e - Companion website for book, includes answers to review questions, solutions to even-numbered exercises, downloadable source code for book examples, LiveLab, self tests, etc.
Course URL: cst.armstrong.edu/chrisw/csci1301/

Check the course website regularly. Any changes in assignments, due dates, etc. will be indicated here. All in-class exercises, projects, notes and course materials will be located here.

Prerequisites
MATH 1113 – Pre-Calculus or equivalent

Catalog Description
Overview of computers and programming. Fundamentals of structured computer programming; primitive data types, expressions, control statements, methods, arrays, searching, sorting; debugging techniques; introduction to algorithm analysis.

Course Objectives
As part of this course, students:
- Will be introduced to programming concepts and techniques.
- Will be introduced to Java language syntax.
- Will learn control statements, loops, methods, and arrays.
- Will write programs for a wide variety of problems in math, science, financials, and games.
- Will analyze and design programs.

Course Outcomes
Upon successful completion of this course, students:
- Will be able to write programs using primitive data types, variables, and expressions.
- Will be able to write programs using selection statements.
- Will be able to write programs using loop statements.
- Will be able to write programs using methods.
- Will be able to write programs using single-dimensional arrays.
- Will be able to write programs using multidimensional arrays.
- Will be able to solve problems using programs.

Class
Class time will be used for short lectures, design examples, in-class exercises, and exams. Class attendance is expected and students are responsible for all material covered in class. Missed work, quizzes, or exams will receive a grade of zero. Class disruption (cell phones, sleeping, talking, etc.) during class will not be tolerated. A warning will be given on the first instance and you will be asked to leave the class on any subsequent instances.

Grading
Grades will be determined from: programming in-class exercises/projects (30%), three exams (15% each), and a comprehensive final exam (25%). The evaluation scheme is subject to change with prior notice. Dates for exams will be announced in the class. Final grades will be based on the following scale: A (90 - 100), B (80 - 89), C (70 – 79), D (60 – 69), and F (< 60). The instructor reserves the right to adjust the grading percentages and scale if necessary.

Extenuating circumstances that prevent timely submittal of work must be discussed with the instructor at least 24 hours in advance or cleared through the Office of the Dean of Students (including a death in the family, serious injury, or illness). Students must supply appropriate documentation verifying the extenuating circumstances that prevented a timely submittal of the assignment.
ASSIGNMENTS
All assignments will be posted on the course web site. Assignments will not be handed out in class.

Reading assignments should be completed before the start of each class. Lectures and class exercises will assume that you are familiar with the material from the reading assignment.

Suggested homework problems will be given for each chapter. Homework will not be collected or graded, but class exercises and exams will have problems related to the suggested homework problems. You are encouraged to work with other students on the suggested homework problems. Each student should attempt to solve the homework problems independently and then discuss the results with other students.

There will be in-class assignments and programming exercises. Some class exercises will be collected and graded and absences on days class exercises are collected will result in a zero for the assignment. It would be smart to bring a flash drive to keep copies of your in-class work as all lab machines are reset to their base image every night.

There will be one to two programming assignments assigned each week and due approximately one week later. Program assignments are due by midnight of the due date whether complete or incomplete. Programming assignments will be graded 80% for proper syntax, correctness, and algorithm efficiency and 20% for programming style and documentation. Late or missed assignments will receive a grade of zero.

Programming assignments must be done individually. You may consult the instructor or classmates for assistance on programming assignments. Assistance means general explanations, for example you could help a classmate by explaining why their program has a syntax or run time error but you should not write the code to fix it. Assistance does not mean obtaining working solutions from classmates, websites, etc. and modifying them or passing them off as your own, this is considered cheating. If I determine that you are receiving more than assistance, you will receive a zero for the assignment. The second instance of copying will result in an F for the course and possible disciplinary action.

Reading, homework, class work, and projects are essential ingredients of this course. You must do a significant amount of work on your own if you are to learn the material. If you do not work at doing the course assignments, you will have a great deal of difficulty with this course.

Remember all work is to be your own unless otherwise specified by the instructor.

EXAMS
Exams are to be individual effort and will be closed book and closed notes. Exams will cover all course material (lectures, handouts, assignments, etc.) up to the class period before the exam. Exam topics will be provided via the course web site. You are expected to abide by the exam dates. No makeup exams will be given except for a medically documented incapacity or family emergency.

EMAIL POLICY
All official email correspondence for this course should be conducted using your AASU email account. This is to protect your privacy and ensure email is not rejected by spam filters. For a prompt response, put CSCI 1301 in the subject of the email. Do not use HTML formatting in your emails.

HELP
Talk and think through the problem that you are having and attempt to solve it on your own before asking for help. When you visit me during office hours for program/debugging help, bring a commented printout and an electronic version (disk, flash drive, etc) of your program.

COMPUTER LABS
The following Armstrong Atlantic labs have the software necessary for this course: SC 129, SC 2016

DISABILITIES OR SPECIAL NEEDS
If you have a physical, psychological, and/or learning disability that might affect your performance in this class, please contact the Office of Disability Services which is located in Memorial College Center Room 207A, phone 912 344-2744. The Disability Services Office will determine appropriate accommodations based on testing and medical documentation.
Please notify the instructor that you might need accommodations within two weeks of the start of the semester or two weeks of being diagnosed. Please see me privately after class or in my office. You may then choose, by notifying the instructor before the start of each exam or assignment, whether you will need any accommodation. Notification after the start of an exam or last minute notification on an assignment will not be accepted.

ACADEMIC HONESTY
Students must abide by the Armstrong Atlantic Honor Code and Student Code of Contact
http://www.sa.armstrong.edu/Activities/hccoc.html
Students are expected to perform their work individually unless otherwise specified by the instructor. Students may discuss assignments in general terms with other students and may receive assistance from the instructor or classmates. Assistance does not mean obtaining working designs or solutions and modifying them; this is considered copying.

All instances of academic misconduct will receive a zero for the assignment and be reported to the Dean of Students. A second instance of academic misconduct will result in an automatic F in the course and possible disciplinary action.

IMPORTANT DATES
Exam dates are tentative and may be changed. Any changes will be indicated on the class website.
Exam 1: Friday, September 3
Exam 2: Friday, October 1
Exam 3: Friday, November 5
Final Exam: Friday, December 10, 11am

First Day of Class: Monday, August 16
Last Day to drop without automatic WF: Wednesday, October 6
Last Day of Class: Monday, December 6
Holidays (no class): Monday, September 6; Monday, October 11; Wednesday, November 24; Friday, November 26;