Computer Science 120 Sec. 3
TTh 2:00-3:50PM, Room: SH 165

Instructor:	Lindsay Jamieson, SH 152
Contact Information	Phone: x4474, Email: lhjamieson@smcm.edu
Office Hours:	MTW 1:00-1:50PM or by appointment
Textbook:	"Java: How to Program (7th ed)", Deitel and Deitel
TA:	Tony Shaffer, Email: ajshaffer@smcm.edu

Course Description

This course surveys computer science and introduces object-oriented programming. A survey of the pivotal fields of computer science, including software engineering; computer networks; programming languages; algorithms; computer architecture; models of computation; operating systems. Students begin to solve simple problems using object-oriented programming. The emphasis is on implementing object-oriented designs. This course is suitable for non-majors who want an overview of computer science and to learn to solve problems with programs. COSC120 satisfies the Core Curriculum requirement in Mathematics.

Objectives

By the end of this course, students should be able to:

1. Discuss the history of Computer Science
2. Solve simple problems using object-oriented computer programs
3. Discuss what algorithms are and the algorithms used in class

The overall goal in this course is to expose students to computer science. I hope that by the end of the course, even if your major is not Computer Science, you will leave this class able to see how to break down a problem into steps that you work through. Also, I want you to be able to understand how programming happens so that if you are asked to program, or asked to supervise someone who programs, you will understand the process involved.

Schedule

The schedule for this class will be published on Blackboard. It may change, but all changes will be reflected on the Blackboard schedule and will be announced in class.

In-Class Activities

There will be in class assignments during every class time. Each assignment will have a component to be turned in. These components will be graded on a 3 point scale where 3 means the program was complete and correct, 2 means that a good attempt was made to answer the given question, but there were errors, 1 means that something was turned in, but it was not close to being correct, and 0 means that nothing was turned in. All in-class assignments may be completed with a partner and will need to be completed during the class time.

Evaluation

There will be 3 exams and a cumulative final exam, plus 3 projects in this class. The grading breakdown is as follows:

1. 3 Exams - 10% each
2. Written Project - 10%
3. 3 Programming Projects - 10% each
4. Final Exam - 20%
5. In-Class Activities - 5%
6. Homework - 5%

Full explanations of the exams and projects will be given as the semester goes along.

Policies

1. Academic Integrity - Please refer to the Student Handbook Article III Section 1 for definitions of Cheating, Plagiarism, Falsification and Resubmission of work. Violations of these types will be dealt with accordingly.
2. Work "In Groups"- Outside of class and in class, you may discuss concepts together. However, submissions should be in your own words, unless the assignment is specifically stated as group work. This means that you will not exchange code (in person or via email) with classmates in this or any COSC120 class.
3. Late Submissions - Late work will suffer a 10% penalty for every 24 hours the work is late. This means that if a project is due at 5PM Monday and is handed in anywhere from 5:01PM Monday until 5PM Tuesday, it will have a 10% late penalty.
4. Attendance - Attendance is required. You may have 2 absences without penalty. For every two absences after that, your final grade will be reduced one step (ie. A- becomes B+).
5. Cell Phones - Please turn cell phones to silent or off during class. You get one freebie. After that, any interruptions by cell phones may result in you being asked to leave and counted as absent for the class period.
6. Computer Usage - During class time computers may only be used for class related activities. This means, specifically, no email and no chat clients. Unless the current class activity requires internet usage, no internet activity of any kind is acceptable. Again, you get one freebie. Repeated offenses may result in you being asked to leave and counted as absent for the class period.
7. Tardiness - Repeated and excessive tardiness is rude to me and your classmates. Again, you get one freebie. Repeated offenses may result in you being told that you were never here for that class period. If you have a legitimate commitment elsewhere that may result in your tardiness, let me know ahead of time.
8. Extra Credit - During the semester, there will be several announced Natural Sciences and Mathematics Colloquia. If you attend one of these colloquia and provide a short description of the topics of the talks and what you got out of them, then your final grade will be increased by 1%. This can be repeated up to 3 times for a maximum increase of 3%.