COSC 220: Computer Science II

Course Syllabus

Fall 2019

Lecturer: Dr. Joseph Anderson

Office: 140 Devilbiss Hall

Office Hours: See course webpage.

Email: jtanderson@salisbury.edu

Lecture: MWF 8am - 8:50am, DH 109

Lab: Tue 8am - 9:40am, HS 143

Course Webpage: `http://faculty.salisbury.edu/~jtanderson/teaching/cosc220/fa19/index.html`

Textbook: *Starting out with C++*, Tony Gaddis.

Prerequisites: Computer Programming (COSC 120) or equivalent with a grade of C or better and Discrete Mathematics (MATH 210) or equivalent with a grade of C or better. MATH 210 may be taken concurrently.

Course Summary: A study of the design and implementation of abstract data types and algorithms using an object-oriented approach and standard class library. Attention will be paid to the introduction of data structures such as linked lists, vectors, stacks, queues, priority queues, lists, trees, etc.; searching and sorting algorithms and their runtime analysis. C++ is the teaching language. Three one-hour lectures and one two-hour lab per week.

Course Policies

Grading: The final grade will be calculated from two exams (15% each), the course final (20%), labs (20%), and assignments/projects (30%). A 100 point scale will be used on all graded work, however it is at the discretion of the lecturer to apply any curve to the grading scale (typically to the benefit of the students). Final grades are at the discretion of the lecturer. **NOTE: You must achieve a D or better on the final exam in order to pass the course with a C.**

Students have one week from the day an assignment or exam is returned in class to raise questions about its grade. After one week has passed, you may still ask for technical clarification, but a grade change will not be accommodated. This is to ensure that students take timely responsibility for their work and to be confident in the grade they have received.

Assignments: Homework will be announced in class and posted on the course webpage. All written homework assignments are due at the start of class (or earlier if you know you will be unable to attend). Written homework may be accepted until 11:59pm on the day it is due, but at a 50% reduced score if it is turned in after class. All digital homework (programs, projects, etc.) will be due through the canvas system. All other late homework will not be accepted and will receive a score of 0.

Programming projects which are turned in but which do not compile on the department Linux server will receive a score of 0. Compilation instructions and a Makefile must be submitted with all programming projects and labs. All programming projects and labs must also be printed and turned in on paper by the day following the due date.

Labs: Each student is required to attend weekly lab sessions. Due dates for each lab assignment will be included with the instructions. Typically, labs will be due at the start of a later lab period. Check submission dates/times on the instructions and on the MyClasses system.

Prior to attending lab, students should read the pre-lab material and complete any pre-lab written material to be turned in at the start of the lab session. Any lab submissions which do not compile or run will receive zero points.

Exceptions will only be made to the above policies when *explicitly arranged in advance with the instructor.*

Online sources: Any submitted that is non-original (from online resources, previous students, etc.) will receive a grade of zero; if the use of external resources is needed, they should be properly cited, and adapted for the situation at hand. When in doubt, consult with the professor. If you work with a student on an assignment and, together, you arrive at a solution and both submit that solution, provide documentation to that effect. **Do not copy/paste others work and submit it as your own. You will receive no credit and face academic misconduct proceedings.**

Email: Email should primarily be used to set up a one-on-one meeting with me if my office hours conflict with your schedule. I strongly encourage you to ask questions about the syllabus and assignments during class time. For more in-depth discussions (such as guidance on assignments) please plan to meet in person. This policy is not designed to limit or inhibit communication; rather it is designed to promote student independence and meaningful interaction.

Furthermore, all email communication should happen over the official SU email system. I will not answer questions about the course from external email addresses (anything other than @salisbury.edu). Emails that do not use proper/professional email etiquette are not guaranteed a response.

Office Hours: Specific dates and times for office hours are listed above. However, in general, if I am in my office with the door open, students should feel free to come in for discussion or questions.

Attendance: Lecture attendance is not required, however frequently missing class may impact your grade by up to 10%. Students are responsible for any material they miss during lecture without appropriate excuse. Office hours *will not* be used to re-iterate lecture material at length.

Free Tutoring Free walk-in tutoring is offered for this class in the Guerri Academic Commons' math emporium from Monday through Thursday. For more information, you may contact Dr. Lori Carmack.

Other department, university and school policies and resources:

- Student Disability Support Services: `http://www.salisbury.edu/students/dss/`
- Henson School of Science and Technology Course Repeat Policy: `http://www.salisbury.edu/henson/advising/course_repeat_policy.html`
- Academic Misconduct: `http://www.salisbury.edu/provost/AcademicMisconductPolicy.html`

- University Writing Center: http://www.salisbury.edu/uwc/
- Mathematics and Computer Science Tutoring Program: http://www.salisbury.edu/mathcosc/TutoringCenter.html