CSE 1222 – Syllabus

Department of Computer Science and Engineering

http://www.*cse*.ohio-state.edu

Contact Information

Instructor: ???

Live Meeting/Office Hours Zoom room: ???

OSU Email address: ???

Carmen link: http://carmen.osu.edu

Introductory material: http://web.cse.ohio-state.edu/cse1222/

Course Summary:

Introduction to computer programming in C++ with applications in engineering and the physical sciences; algorithm development; programming lab experience. C++ loops and conditionals, functions, arrays, file input and output and pointers.

Co-requisite:

Math 1151(previously Math 151) or Math 1161. (No programming or C++ experience required). Not open to students with credit for Engr 1281.01 or Engr 1281.02 or CSE 202.

General Objectives:

To provide the student with the basics of the C++ programming language:

- Be competent with writing simple C++ programs performing familiar numerical computations;
- Be competent with using basic C++ constructs; declarations and various statements including loops and conditionals; C++ functions; C++ arrays;
- Be familiar with using file input and output;
- Be exposed to algorithms;
- Be exposed to pointers;
- Be exposed to the C++ string and vector classes;
- Be exposed to defining C++ classes.

Required Text:

The zyBooks textbook is **required** for the course and a subscription will cost $64. You will complete assigned readings as well as Lab and Homework assignments in the online text. Each assigned reading counts towards your final grade and is due by 11:59pm prior to a lecture day (see the course schedule posted on Carmen). You will find on Carmen the instructions on how to purchase your student subscription and the reading assignment schedule. Your student subscription will be valid through 8/23/2020.

Supplemental Text (Safari):

The assigned reading in this text is **required** but is not applied towards your final grade. It is available on-line for free at http://library.ohio-state.edu/record=b8544287~S7, "Programming and Problem

Solving with C++: Comprehensive Edition", Fifth Edition, by Nell Dale and Chip Weems, published by Jones and Bartlett, ISBN-13: 9780763771560.

Piazza:
We will use Piazza (a link is provided on Carmen) as the course discussion board and to make announcements. Please visit the page on a daily basis. Feel free to ask and answer questions. Do **NOT** post solutions (part or whole) to any graded assignment.

Expectations:
You are expected to accomplish tasks every week. Watch and study the pre-recorded lectures before the quiz that covers those topics. Complete all assigned readings from both textbooks (zyBooks and the Safari supplemental). Read announcements on Carmen under Announcements, posts and announcements on the Piazza discussion board, and your OSU email on a daily basis. Your solutions to ALL graded assignments MUST be entirely your own work.

Grading:

Online *zyBooks* textbook reading	12%
Labs	8%
Homework	8%
Quiz	12%
Midterm I	15%
Midterm II	20%
Final Exam	25%

- You are required to purchase a zyBooks textbook subscription. Note the Safari supplemental assigned reading is also required, but does NOT count towards the 8% credit above.
- A request to re-grade a graded assignment must be made within a week after the grade has been posted for that assignment. *No re-grades will be honored after this.*
- We typically use the OSU suggested grade scale: (93-100) A; (90-92.99) A-; (87-89.99) B+; (83-86.99) B; (80-82.99) B-; (77-79.99) C+; (73-76.99) C; (70-72.99)C-; (65-69.99) D+; (60-64.99) D; (0-59.99) E
- Grades are neither "curved" nor "bumped up". *Your final score must reach a grade threshold.*

Live Meetings (Optional):
Your instructor will meet during the regularly schedule meetings in their Zoom room to answer questions and discuss course content. This meeting will be recorded and made available on Carmen.

The *zyBooks* Texbook Reading Assignments (12% of your final grade):
You must purchase a subscription to the online *zyBooks* textbook during the first week of the semester in order to complete required readings, Lab, and Homework assignments. Each reading assignment involves reading the material and answering "Participation" and "Challenge" questions. Your first online textbook reading is due by **Monday, May 18** at 11:59pm. After that, you will be responsible for completing the textbook reading and activities by the night before each lecture (Monday and Wednesday). Please see the schedule (available on Carmen) for ALL due dates.

Supplemental Texbook Reading Assignments:
The supplemental reading (Dale and Weems) is FREE and found in the Safari text library (we will provide an access link). It is REQUIRED reading but does not count towards your final grade.

Lab and Homework (16% of your final grade):
Lab and Homework are programming assignments to help you to prepare for quizzes and exams. You will complete and submit these assignments in your zyBooks subscription. It is extremely important that you work on these assignments solely on your own. You may seek help from your instructor and graders during office hours.

Lab assignments are due weekly (typically Tuesday by 11:59pm). Homework will be due approximately every two weeks (typically Friday by 11:59pm).

Any submission that does not compile will receive a zero. Please ensure that your program compiles before you submit your work to the Carmen dropbox.

Late policy – Lab and Homework have a 10% per calendar day penalization. After five days the assignment will receive a zero.

Please start these assignments early! Waiting until the last minute to submit your work and missing the deadline will mean you will have to submit your solution late. This is also true if you experience technical issues too close to the deadline.

Quiz (12% of your final grade):
You will complete a 55 minute quiz every Thursday under Carmen "Quizzes". You are only allowed to use COURSE NOTES found on Carmen. No other notes or material are allowed during the quiz. You must work alone and not collaborate or discuss the quiz with anyone else. You are NOT allowed to view any other websites, use your email, any other material. You are not allowed to use any other device during the quiz. Your instructor will be available in their Zoom room during the posted lab time if you have questions. In order to prepare for the quiz you should study the lecture notes and pre-recorded lecture videos. In addition, you should start (or even complete) the Lab assignment that is due the following week.

Exams (60% of your final grade):
The tentative dates for the Midterm exams are found on the course schedule. Your Final Exam day/time is already posted by the Registrar prior to the start of the semester. Exams will consist of two parts: short answer and programming. You are only allowed to use COURSE NOTES found on Carmen. No other notes or material are allowed during the quiz. You must work alone and not collaborate or discuss the exam with anyone else. You are NOT allowed to view any other websites, use your email, any other material. You are not allowed to use any other device during the exam.

The Final Exam day/time for your section, as posted by the Registrar's office prior to the start of the semester, when you signed up for the course. You can follow this link to remind yourself: Summer 2020 Final Exam Schedule.

<u>Attendance Extra Credit</u>:
You may receive up to 2% extra credit for watching (and studying) the pre-recorded lectures by Wednesday night 11:59pm. See the course schedule.

<u>Missing Work</u>:
If you are going to miss an assignment (lab, homework, quiz, or exam) due to extenuating circumstances, then you must inform your instructor once you are aware of the excuse and before the deadline. Waiting to inform your instructor greatly reduces the chance that your request will be accepted. After your request, you must provide verifiable documentation to your instructor as soon as possible. You must provide us when you were first notified of the conflict. You must keep your instructor informed of your status during the situation on a regular basis.

IMPORTANT: We will NOT consider make-up requests for lab, homework, quiz, and the Final Exam after the assignment day/time has expired. You have lost the opportunity to receive points for the assignment.

An ***extenuating circumstance*** is usually a medical emergency, hospitalization, death in the family, or being called up for active military duty. All requests will be evaluated on a case by case basis according to the nature of the circumstance and all supporting documentation. A temporary technical issue is not an extenuating circumstance. Acceptance of any excuse for make-up work is left to the discretion of the instructor. You must request proper documentation from those who have the authority to excuse you from school.

Quiz: Use the policies above.

Lab and Homework: Since you are given at least a week to complete these assignments, extensions or make-ups will only be considered if you will miss school <u>more than three days</u>. Please start your assignment early in order to ensure that you will be able to complete it on time if you will miss school three days or less, as you won't receive an extension in this case.

Online *zyBooks* textbook reading: You cannot make-up the zyBooks required reading assignments, which are due before the start of lecture. If you have an extenuating circumstance, then contact your instructor beforehand to arrange a make-up schedule.

Exams: A make-up for missing a Midterm exam without a priori approval from your instructor due to an accepted excuse will incur a penalty. For example, you forgot or slept through it. In these cases, a make-up on the next day will incur a 25% penalty. A make-up provided the following day will incur a 35% penalty. A make-up three days later will incur a 50% penalty. No make-up will be provided after this.

Final Exam: Missing the Final Exam without a priori approval from your instructor due to an accepted excuse will result in a zero grade assignment. The reason for this is that final grades are due shortly after the administration of the Final Exam.

Make-up work for accepted excuses on Lab and Homework must be completed within a week after your return date to school as stated on your documentation. Make-up work for accepted excuses on quizzes and exams must be completed on the day you return to school as stated on your documentation. Any make-up work not completed within these time constraints will be assigned a

zero. It is your responsibility to contact your instructor on your return to school in order to complete make-up work. You must keep in close contact with your instructor when you are out of school and keep your instructor fully informed of your status, e.g. by phone or by email with your computer (such as your laptop), cell phone, smart phone, etc.

Academic Misconduct:

As defined in the University's Code of Student Conduct, academic misconduct is "any activity which tends to compromise the academic integrity of the institution or subvert the educational process" (http://oaa.osu.edu/coam.html). Please be sure to familiarize yourself with the OSU academic misconduct rules and policies which include additional examples and details defining academic misconduct: http://oaa.osu.edu/coamfaqs.html. Students who violate the University's policies regarding academic misconduct are stealing academic credit and skewing the grading process against students who are honestly participating in the course. Their actions diminish the value of an academic degree when they falsely represent themselves as competent in a subject matter to their instructor, their peers, and in the workplace.

All graded work (labs, homework, quizzes, and exams) are to be **completed solely by you only:** In accordance with Faculty Rule 3335-31-02, alleged violations of academic misconduct will be reported to the Department Chairperson and the Committee on Academic Misconduct (COAM). Cases will be resolved via COAM's hearing processes as described in the University's Code of Student Conduct (http://studentaffairs.osu.edu/csc/).

- All graded work must be ENTIRELY your own work with the exception of guidance from your instructor. If you are ill-prepared when completing a graded assignment, then your grade will reflect this.
- Only seek help from your instructor.
- The use of any third party sources (e.g., a programmer who is a family member, co-worker, friend, classmates, material found on the internet, etc) is prohibited when completing your graded work.
- DO NOT LOOK AT, COPY, or use in any way anyone else's code.
- DO NOT SHARE your work with anyone else in any way.
- DO NOT pass files to others in any way. Protect your work!
- DO NOT create an opportunity for others to view or otherwise retrieve or take your work. For example, do not make your work available anywhere online. The University is in contact with many websites who will help us identify you if you make available assignment questions and solutions.
- You are only allowed to use C++ syntax and statements from the zyBooks readings, supplementary textbook, course lecture notes, and pre-recorded lecture video. You are not allowed to use C++ syntax and statements that are not covered in the course. This material will receive no credit if used in a graded assignment. In addition, an academic misconduct incident report may be submitted to COAM if the material was retrieved from an outside source. If you need help with a graded assignement, then seek help from your instructor in office hours.
- Instructors will NOT write code or debug your code for you. Your instructor will help you develop these skills.
- Do not discuss graded assignments (including exams) with anyone besides your instructor.

- If you are repeating the course, you may not re-submit work from a previous semester again. This includes submissions for a similar or the same assignment. You must construct a solution from scratch for each assignment.

*** When you write your program solution for any graded assignment, i.e. coding, you must write it solely on your own and have NO contact with anyone else except for what your instructor allows ***

You may discuss a problem at a very high level with another student, but *do not cross the line*. Seek help directly from your instructor. Remember, a solution written solely by you will have no problems. The instructor can ask a student about any assignment submission if there is a concern and request an explanation of the submitted/assigned material to determine whether the work belongs to the student.

Office Hours:
You can seek help with course material and assignments in office hours. *You must come into office hours well prepared with targeted questions and a clear indication that you have made an attempt to study course material and started an assignment on your own* (if you choose to discuss an assignment with an instructor).

Office Hours Rules:
- If you seek help with programming assignments then you must have started the assignment before you ask for help from an instructor in office hours
- It is **NOT** the responsibility of an instructor to ensure that you "get your assignment completed" by the end of office hours. The quality of the help you will receive is directly proportional to how effectively you have made an attempt to study course material before you walk in.
- Expect that an instructor will *instruct* and not give answers. Instructors will not sit down with you for long periods of time to "walk you through" an assignment nor to do extensive debugging. This is YOUR job. This is especially true when office hours are busy.

*** If you are having much difficulty with the course material and assignments and your needs are not addressed in office hours then I highly suggest that you make a one-on-one appointment with your instructor to have a targeted discussion regarding your issues and receive more help***

Students With Disabilities:
The University strives to make all learning experiences as accessible as possible. If you anticipate or experience academic barriers based on your disability (including mental health, chronic or temporary medical conditions), please let your instructor know immediately so that we can privately discuss options. To establish reasonable accommodations, I will request that you register with Student Life Disability Services. After registration, provide the SLDS long form for both of us to fill out and you to return to SLDS in a timely fashion. Simply providing letters of accommodations from SLDS will not be enough. **SLDS contact information:** slds@osu.edu; 614-292-3307; slds.osu.edu; 098 Baker Hall, 113 W. 12th Avenue.

Final Grades:
1. Assignment, quiz, and exam scores will be posted on the Carmen gradebook. Please check that your grades have been entered correctly before your final grade is submitted to the Registrar. The Carmen gradebook does NOT calculate your final grade. Please calculate this yourself using the grade scale provided in this syllabus.

2. Requests for re-grades of lab, homework, quizzes, and exams must be made within a week after the graded assignment is handed back to you. *No re-grades are allowed after this time period.*
3. Course policy on assigning final grades:
    a. Grades are neither "curved" nor "rounded up"
    b. You will receive a final grade assignment if your point average surpasses a grading scale cut-off. For example, a final score of 89.9 would receive a B+ under the OSU suggested grading scale.
4. You will be evaluated based purely on your performance in the course. Final grades are *never* negotiated! You should *never* make a request to your instructor for a particular grade that you "desire", "prefer", "need", "deserve", etc., under any circumstances!

Technology support:

1. **ETS (Engineering Technology Services) help** - Room DL89; Phone: (614)-688-2828; email: etshelp@osu.edu, website: https://ets.osu.edu/.
2. **zyBooks** – Go to the "contact us" page or email: support@zybooks.com
3. **Carmen** – Help: (614)-688-4357; Phone: (614)-688-8743; email: carmen@osu.edu