OOP244

Object Oriented Programming using C++

AGENDA

- Course Overview
- Course Resources
- Course Format
- Graded Work Breakdown
- Communication

COURSE OVERVIEW

- In this course the main idea is to learn Object-Oriented Programming (OOP). We do this through taking the skills and knowledge you've learned from IPC144 and taking that further into the world of C++. The features present in this language will allow us to begin developing in a different style that may better map our ideas to the code.

COURSE RESOURCES

- MySeneca / Blackboard
  - Grades will be posted on Blackboard
  - Announcements of course related events such as evaluations and the like
  - Course materials such as lecture slide decks will be available here
- Course Website/Text Book: https://scs.senecac.on.ca/~oop244/index.html
- Course Timeline: https://scs.senecac.on.ca/~oop244/pages/timeline.html

COURSE RESOURCES

- Course Outline / Course Addendum
  - The defacto outline on the overall scope of the course (learning outcomes, topic coverage, promotion policies…)
- Seneca Onthehub Webstore
  - A webstore front where you can obtain software to enhance your learning or required software for your courses. Much of the software is either free if you are student of the school or at a highly reduced cost.

COURSE RESOURCES

- Learning Centre
  - The learning centre provides weekly workshop sessions and tutoring for OOP244.
  - The workshops are free to attend and don't require registration. Simply head over to the Learning Centre to check them out.
  - You can book a tutor in person or on Blackboard via the following instructions
- LinkedIn Online Learning
  - As a student of Seneca you also have access to this free online learning platform which you can use to enrich yourselves in this course or other topics of study

COURSE RESOURCES

- Seneca Library
  - There are an abundance of physical and digital books on programming and C++ available for your uses
  - One of my recommended texts is: Bjarne Stroustrup's "The C++ programming language"
- cplusplus.com
  - Fairly down to earth reference for C and C++ functions, libraries and more
- cppreference.com
  - More technical but complete reference for C and C++ as a whole

COURSE FORMAT

- Format:
  - 1 Weekly Lecture (First class of the week)
  - 1 Weekly Lab (Flex period)

- Course Standards/Policies:
  https://scs.senecac.on.ca/~oop244/index.html

COURSE FORMAT

- Quizzes will be done on a per week basis. They will be available every Monday for a window of 24 hours (local Toronto time). Once you begin you will have 15 minutes to complete the quiz.
- If you for some reason miss this window, you will get a mark of zero and there will be no retakes
- We take the top 8 of 10 quizzes into account for your grade

COURSE FORMAT

- Quizzes will assess material that has both been already covered as well as upcoming material. So the expectation is much like in IPC144, you should be reading ahead.

COURSE FORMAT

- Workshops will be done on a per week basis similar to that which was experienced in IPC144. In total there will be 14 graded parts.
- Workshops 1 – 5 will have 2 parts each (10)
- Workshop 6 – 9 will have 1 part each (4)
- In total we'll be taking the best 12 out of 14 parts to determine your workshop grade

COURSE FORMAT

- Workshops in addition to the coding portions will have a reflection portion as well similar to IPC. The reflection doesn't have an associated mark to it but we do take it into account.
- If a reflection is done poorly, it can incur a maximum of a 40% reduction to the graded work.
- Additional details regarding the workshop can be found in the addendum

COURSE FORMAT

- There will be one Final Project that is broken up into several deliverables in the second half of the semester (after week 6/7). The Project must be submitted to pass the course.

MATRIX

- As with previous semesters we'll be submitting any coded work (workshops, final project) through Matrix.
- This semester however the ITS team of Seneca has implemented a VPN in order to access Matrix.
- Please take a look at this link in regards to how to use the VPN

EVALUATIONS

- Tests and Quizzes (50%)
  - Midterm Test 20%
  - Quizzes (minimum 8) 15%
  - Final Exam 15%
- Assignments and Labs (50%)
  - Workshops – 30%
  - Final Project – 20%

PROMOTION POLICY

To obtain a credit in this subject, a student must:

- Achieve a grade of 50% or better on the final exam
- Complete all assignments in a satisfactory manner
- Achieve a weighted average of 50% or better for the tests and final exam
- Achieve a grade of 50% or better on the overall course

COMMUNICATION

- Email / MS Teams:
  - hong.huang@senecacollege.ca
  - For ease of receiving a response do have a subject line starting with OOP244 if using email
- Online Office: MS Teams – Direct Messages
- MS Teams Channel:
  - The channels on our section's MS Teams should be the general hub of communication for any students in this section. Feel free to post questions / have discussions there (**barring any explicit sharing of whole code, use snippets or descriptions at most**).

QUESTIONS

Y/N?