

CIS 22A - Beginning Programming Methodologies in C++
CRN: 33762 Course: CIS 022A-08Y

Instructor Abeer Alameer
Class meetings: Monday, Tuesday, Wednesday, and Thursday 8:30 - 9:20 AM in Room AT 204
Email alameerabeer@fhda.edu
Office hour: Wednesday, 9:30 - 10:30 AM in the CIS lab AT 203

Text *Starting Out with C++: From Control Structures through Objects*
8th edition, by Gaddis ISBN: 978-0133769395
(7th Edition is also okay)

Class Website <https://catalyst.deanza.edu/>

**Student Learning
Outcome**

Upon completion of the course, students will be able to:

- Design solutions for introductory level problems using appropriate design methodology incorporating elementary programming constructs
- Create algorithms, code, document, debug, and test introductory level C++ programs
- Read, analyze and explain introductory level C++ programs

Attendance

This hybrid course has 4 lecture / lab hours per week on campus, in addition online reading, HWs, and assignments

- It is expected that you read the online class notes/power points *before* attending class
- During lecture time we will practice writing short code segments to see how they work. You will need to be present in class to get the solution for the class exercises.
- Lab assignments are posted online. You write programs on the school computer or your own computer, we will use CodeBlocks as our C++ compiler, and you turn in a soft copy of your lab work to be graded. During lab time I will answer your individual lab questions
- HWs are online and are done on your own time

Regular and punctual attendance is expected. If you miss a class, you are still responsible for all announcements given out during the class.

In class, you are expected to pay attention, participate, not conduct personal conversations, and use the computer for class work only. Disruptive behavior is not tolerated, and any student with excessive disruptive behavior will be asked to leave and administrative follow-up may result. On the other hand, worthwhile contribution/participation and regular attendance can positively affect your grade.

Once enrolled, if you wish to drop the class, it is *your responsibility to drop the class before the last day to drop*. Otherwise, an appropriate grade will be given at the end of the quarter.

Scholarly Conduct Discussion and exchange of ideas on lab assignments are strongly encouraged. However, you should *do your own assignment* and make sure that you *understand the work that you turn in*. The questions on the exams will be similar to the homework questions and labs, so the only way to earn a good grade on the exam is by putting in the time and effort to truly understand your assignments/HWs. The consequence of not doing your own homework will show up clearly in the exams.

Copying or cheating during an exam or on a homework assignment will result in a zero being assigned to the test grade for both parties.

- Lab Assignments** There are 8 lab assignments, worth 30 points each
- You must submit each lab assignment on its due date on Catalyst to be considered on time. Partial credit will be given for incomplete labs.
 - If you cannot turn in the lab on time, you can submit in your lab after the due time, but it will be marked late by Catalyst. Late labs will receive a 20% *per weekday* penalty. If the lab is due on Friday at 9:55AM, then Friday 9:56AM to Saturday 9:55AM is considered one day late.
 - For each lab assignment there is a cut off date, where the assignment will not be accepted after that date.

- HWs** There are 8 HWs, worth 10 points each
- All HWs are online through Codelab
 - You must do your own work.
 - The solution will be shown as soon as the HWs are closed, so there is no make up for the HWs. It is highly recommended that you set your phone / calendar to send you a reminder to do the HW.
 - The lowest HW grade will be dropped

- Exams** There are 2 midterms and 1 final
- All exams are open book, open notes, but no electronic devices
 - Make up for the midterm will be allowed only with proof of emergency reasons or prior approval. Prior approval must be obtained at least the week before the scheduled exam, and the make up exam will be given *before* the scheduled exam. The final exam must be taken during the scheduled time, there is no early or late final exam taking.
 - The lowest midterm grade will be dropped.

Grading Grading is based on the percentage of the total points obtained:

Lab assignments: 40% (8 labs)
HWs: 5% (8 HWs, lowest score dropped)
Midterms: 20% (2 midterms, lowest score dropped)
Final: 35%

A+: 97-100%	B+: 87-89%	C+: 77-79%	D+: 67-69%	
A : 93-96%	B : 83-86%	C : 70-76%	D : 63-66%	F : 0-59%
A- : 90-92%	B- : 80-82%		D- : 60-62%	