

Intermediate Programming Methodologies in C++
CIS-22B Monday - Thursday 3:00 – 4:50

Credit: 4.5 units

Instructor: Ed Ahrens, ahrensedward@fhda.edu

Lab: Monday – Thursday 11:15 – 12:30 ATC-203

Office Hours: No Office Hours during Summer Session

Description:

A systematic approach to the design, construction and management of computer programs, emphasizing design, programming style, documentation, testing and debugging techniques. Strings, multidimensional arrays, structures, and classes. Pointers: their use in arrays, parameters and dynamic allocation. Introduction to linked lists.

Student Learning Outcomes:

At successful completion of the course students should be able to:

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

Text: Solutions for Starting Out with C++: From Control Structures through Objects, 7th or 8th Edition by Gaddis

Working Together: Working together on assignments is permitted. However, each person is expected to complete his/her own computer work. Identical work will receive a zero grade.

Scholarly Conduct: Please note, the DeAnza College Schedule, in the section titled “Academic Integrity,” states that the submission of work which is not the product of a student’s personal effort, or work which in some way circumvents the given rules and regulations, will not be tolerated. Any infraction of Academic Integrity will automatically result in a zero grade for the work, and may result in a failing grade for the course.

Advisory Preparation:

Successful completion of one of the following:
CIS 71A or CIS 22A or equivalent

Policies:

1. Students may arrange for a Pass/No Pass grade option in Admissions and Registration Office
2. A 10% penalty will apply for late labs.
3. Make up exams may only be scheduled in advance, and only in exceptional circumstances.
4. Three unexcused absences may result in your being dropped from the class, however, it is the student’s responsibility to initiate the drop process

Evaluation:

120 points Labs
80 points Examinations

Final grade:

A+	98% through 100%
A	92% through 97%
A-	90% or 91%
B+	88% or 89%
B	82% through 87%
B-	80% or 81%
C+	78% or 79%
C	70% through 77%
C-	is not given
D+	68% or 69%
D	62% through 67%
D-	60% or 61%
F+	is not given
F	59% or less
F-	is not given

Labs are submitted electronically, through Catalyst, due on Thursday by 6:00 of week assigned. Late labs lose 10%. Any submittal past the due date and time is considered to be late, no exceptions.