CIS 22A Beginning Programming Methodologies in C++

Credit: 4.5 units

Instructor: Ed Ahrens, ahrensedward@fhda.edu

Days: Tuesday/Thursday face to face, AT 311 9:30 – 11:20

Lab: Wednesday 10:15 – 11:30 AT 203

Office Hours: Tuesdays and Thursdays 11:30 – 12:30 in AT 203 (Main CIS Lab)

Student Learning Outcomes:

(1): Design solutions for introductory level problems using appropriate design methodology incorporating elementary programming constructs.

(2): Create algorithms, code, document, debug, and test introductory level C++ programs.

(3): Read, analyze and explain introductory 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 and encouraged. However, each person is expected to complete his/her own computer work. There are no group projects assigned for this class.

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:

Mathematics 114 or equivalent
One of the following choices:
English Writing 211 and Reading 211 OR
Language Arts 211 OR
English as a Second Language 272 and 273

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 my dropping you from the class, however, that drop is contingent on lack of adequate progress and other factors

Evaluation:

430 Points: Lab Exercises
50 Points: CodeLab exercises
55 Points: Midterms
100 Points: Final Examination
635 Points available

Final grade:

% of total points	Grade
98% or above	A+
92% - 97%	A
90% - 91%	A-
88% - 89%	B+
82% - 87%	B
80% - 81%	B-
78% - 79%	C+
70% -77%	C
Not Given	C-
68% - 69%	D+
62% - 67%	D
60% - 61%	D-
Not Given	F+
below 60%	F
Not Given	F-

Labs are submitted electronically, Through Catalyst, due per Lecture Schedule

CodeLab exercises, by week:

Week 1 60143, 60053, 60054, 60055, 60176, 60177, 60178, 60181, 60182, 60105
60099, 10995, 60104, 10516, 60106, 60110, 10933, 10936, 10607, 60112, 10935, 10965
Week 2 60102, 60103, 10898, 10505, 11006, 10525, 10904, 10948, 10549, 11035, 11034, 11039
10554, 10601, 10600, 10907, 10596, 10599, 11058, 10553, 10557, 10561, 10562, 10564
Week 3 10565, 11062, 10560, 10563, 11074, 10917, 10543, 10544, 10576, 11127, 10572, 10573
10831, 10832, 10582, 10581, 11130, 10587, 10588, 11131, 11134, 11136, 60129, 60130
Week 4 11142, 11146, 10639, 10654, 10655, 11080, 10649, 10650, 10651, 10909, 10910, 10661
10913, 10658, 10659, 10914, 10915, 11084, 11085, 11087, 10664, 10665, 10666, 11089
Week 5 11090, 10663, 11040, 11041, 11049, 11076, 11053, 11052, 10609, 10610, 10619, 10628
10613, 10629, 10630, 10631, 10638, 10984, 10646, 10652, 10662, 10669, 10670, 10671,
Week 6 10632, 10633, 10634, 10635, 11193, 10552, 11189, 11186, 11188, 11190, 11191, 11192