

## Beginning Programming Methodologies in C++

**CIS-22A      Monday/Wednesday      9:30-11:20**

**Credit:** 4.5 units

**Instructor:** Ed Ahrens, ahrensedward@fhda.edu

**Days:** Monday/Wednesday face to face lecture

**Lab:** Mondays **11:30-12:45** in main lab, ATC 203

**Office Hours:** Mondays and Wednesdays **9:00-9:30**

### 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 Edition by *Gaddis* ISBN-10: 0132664941 • ISBN-13: 9780132664943

**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:

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. Up to 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 remains the student's responsibility to initiate the drop process

**Evaluation:** 6 multi-part Lab Exercises  
CodeLab exercises  
Up to 5 Quizzes  
2 Midterm Examinations  
Final Examination

<b>Final grade:</b>	<u>% of total points</u>	<u>Grade</u>
	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 on Thursday by 6:00pm of the week assigned, with the exception of the final lab, which is due the day of the final by 6:00pm**

**CodeLab exercises, by week:**

**Week 1** 60143, 60053, 60054, 60055, 60176, 60177, 60178, 60181, 60182, 60105  
**Week 2** 60099, 10995, 60104, 10516, 60106, 60110, 10933, 10936, 10607, 60112, 10935, 10965  
**Week 3** 60102, 60103, 10898, 10505, 11006, 10525, 10904, 10948, 10549, 11035, 11034, 11039  
**Week 4** 10554, 10601, 10600, 10907, 10596, 10599, 11058, 10553, 10557, 10561, 10562, 10564  
**Week 5** 10565, 11062, 10560, 10563, 11074, 10917, 10543, 10544, 10576, 11127, 10572, 10573  
**Week 6** 10831, 10832, 10582, 10581, 11130, 10587, 10588, 11131, 11134, 11136, 60129, 60130  
**Week 7** 11142, 11146, 10639, 10654, 10655, 11080, 10649, 10650, 10651, 10909, 10910, 10661  
**Week 8** 10913, 10658, 10659, 10914, 10915, 11084, 11085, 11087, 10664, 10665, 10666, 11089  
**Week 9** 11090, 10663, 11040, 11041, 11049, 11076, 11053, 11052, 10609, 10610, 10619, 10628  
**Week 10** 10613, 10629, 10630, 10631, 10638, 10984, 10646, 10652, 10662, 10669, 10670, 10671,  
**Week 11** 10632, 10633, 10634, 10635, 11193, 10552, 11189, 11186, 11188, 11190, 11191, 11192