

CIS 022A - 08Y
(CRN 22569)

Fall, 2015

BEGINNING PROGRAMMING METHODOLOGIES IN C++

INSTRUCTOR: Hellen Pacheco

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CLASS HOURS: MTWR 8:30 a.m. – 9:20 a.m. (AT 311)
T 9:30 a.m. – 10:45 a.m. (online)

OFFICE HOUR: Th 9:30 a.m. – 10:20 a.m (computer lab)

FINAL: Tuesday, Dec 8 at 7:00-9:00 a.m.

Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273; Mathematics 114 or equivalent.
(Formerly Computer Information Systems 71A.)

Course Description:

Attendance:

You are expected to attend all class sessions. Lectures will be the main source of information for both labs and exams. You will **not** be automatically dropped if you do not come to class. Thus, be sure to withdraw officially by Nov 13, to avoid an ‘F’ grade on your transcript.

An introduction to computer programming. Its primary objective is to teach problem solving using the C++ programming language. Emphasis will be placed on structured procedural programming with an introduction to object-oriented programming. Designed primarily for computer science and related transfer majors.

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

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

Student Learning Outcome (3): *Read, analyze and explain introductory level C++ programs.*

Required Text:

Starting Out with C++: From Control Structures through Objects, 8th Edition by *Gaddis*
(may use 7th edition)

Compiler:

You may use any compiler. In class I will use CodeBlocks.

CodeBlocks Compiler may be downloaded for free from <http://www.codeblocks.org/>

Course materials are available through <https://catalyst.deanza.edu>.

Need help? CIS has its own tutorial program. Sign up in the Computer Lab.

Assessment:

Homework	10%
Participation / Classwork Assignments	10%
Pop Quizzes Quizzes (drop lowest)	10%
Labs (6)	30%
Tests (Oct 29 and Nov 5 , drop lowest)	20%
Final (Dec 8)	20%

Course letter grades will be assigned:

A+	A	A-	B+	B	B-	C+	C	D	F
99+%	92-98%	90-91%	88-89%	82-87%	80-81%	78-79%	70-78%	60-69%	<60%

Where percentages are rounded to the nearest whole number.

Lab assignments will be graded on correctness, structure, style, clarity and documentation.

All Labs must be submitted through Catalyst and will be accepted for up to one week after the due date with a 5 point penalty. After the one-week limit the assignment will receive no credit.

Homework for the week is posted on Monday and is due on Friday. Some class work must be turned in the same day for participation credit.

Tests and quizzes will be on Catalyst but must be taken in class. Tests are scheduled ahead of time, but quizzes can happen at any time. There are no make-ups for tests or quizzes. Since I will drop the lowest score, if you miss a test or quiz, that will be the one to be dropped.

Academic Honesty:

All programming assignments are expected to be your own original code. Never give a soft copy or a hard copy of any lab assignment to another classmate. Any duplicate assignments submitted will receive zero points without regard to who originated and who copied.

Calendar and Course Outline:

Refer to Catalyst: <https://catalyst.deanza.edu>

Important Dates

Sunday, Oct 4 :: Last day to [drop](#) a class with no record of grade. Drop date is enforced.

Friday, Nov 13:: Last day to [drop](#) with a "W." Withdraw date is enforced.

Holidays

Monday, Nov 9 :: Veterans Day (no classes)

Thursday Nov 26 :: Thanksgiving (no classes)

Motto:

“You learn to play tennis by playing tennis. You learn to program by writing programs.”