

**CIS-22A – BEGINNING PROGRAMMING METHODOLOGIES in C++
Syllabus**

Instructor: Spera Georgiou

CATALYST is the Actual Syllabus. Please, only use Catalyst as a guide. This syllabus is just a rough-estimate, the actual syllabus is the live Catalyst shell dedicated to our course. Only Catalyst is to be used after the first day of the quarter. Catalyst, only, will contain exact due dates for everything.

Phone : (408) 864-8803
Email : georgiouspera@fhda.edu
WEB : <http://puma.atc.fhda.edu/distribute/Georgiou/Cpp>

Office Hours: check Catalyst for current quarter (No office HR in summer)

Class meetings: check the college schedule for your section and use *catalyst.deanza.edu*

Course Description: An introduction to problem solving, algorithm design, and structured program design using C.

Course objectives: *This course is 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. This course is designed primarily for computer science and related transfer majors.*

Upon completion of the course, students will:

- Design solutions to introductory level problems using structured top down design.
- Write, document, test and debug C programs of up to 200 lines, using several functions.
- Use C declarations, expressions, selection and looping statements, functions and arrays at an introductory level.
- Read, analyze and explain introductory level C programs.

Text required: Solutions for Starting Out with C++: From Control Structures through Objects, 7th Edition by *Gaddis* ISBN-10: 0132664941 • ISBN-13: 9780132664943

Attendance policy: This 6 Units course consists of 8 lecture hours and 12 lab hours per week. You should plan on spending approximately another 20 hours per week doing homework problems, programming assignments, and understanding the theory. Five absences will constitute reason to be dropped from this course.

If you wish to drop the class, it is your responsibility to do so. An unauthorized withdrawal from class without following official procedures will result in your being assigned a grade of "F" (or "NC" if you have selected the Credit /No Credit option).

**CIS-22A – BEGINNING PROGRAMMING METHODOLOGIES in C++
Syllabus**

Scholarly conduct: Extra credit assignments may occasionally be given throughout the course. Worthwhile contribution and regular attendance can positively affect the grades. You are expected to do your own work. In programming classes, students often confer with one another on approaches to solving the problem: however, your solutions to lab problems must represent your own individual work. Any copied solutions will result in a zero grade for both parties. Copying or cheating during a test will result in a zero being assigned for that test grade.

Homework Exercises: Homework exercises do not need to be run on the computer (unless you wish to do so). The purpose of the homework is to help clarify the material for you as we proceed and to prepare you for the quizzes, midterm and final exam, therefore, you are strongly encouraged to do it.

Tests: There will be five quizzes (15 min.) and a comprehensive final. The quizzes will occur bi-weekly on Catalyst. The final will be also on Catalyst.

Laboratory assignments: You will be given 8 lab assignments. They are to be run using the computer. **You must turn in each assignment by its due date by uploading your source code into Catalyst.** Deductions will be given for incomplete assignments.

PLEASE NOTE:

Those who fail to turn in **all** lab assignments cannot pass the course.

Grading: 500 points are available. Your grade is based on the percentage you earn; however, if you fail the final exam, your final grade will be lowered by one letter grade.

Quizzes	: 5 at 20 pts	100 pts
CodeLAB	: Ch 2 - 8 problems	50 pts
Lab assignments	: 8 lab assignments	200 pts
Midterm	: 1 at 50 pts	100 pts
Final exam	: 1 at 150 pts	150 pts
		600 pts
Total		600 pts

GRADES

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

**CIS-22A – BEGINNING PROGRAMMING METHODOLOGIES in C++
Syllabus**

PROGRAMMING ASSIGNMENTS : *upload your source code (one .c file per assignment)*
One program will be assigned for each chapter covered – check catalyst for due dates.

Important Dates

		Monday	Tuesday	Wednesday	Thursday
Week/Block 1	Ch 1 Ch 2 Ch 3				Quiz 1 (chapter 1)
Week/Block 2	Ch 4		<u>Due:</u> Lab 1,2		Quiz 2 (ch. 2 and ch. 3) Quiz 3 (ch. 4)
Week/Block 3	Ch 5 and Ch 6		<u>Due:</u> Lab 3,4		MIDTERM (CH 1 -5)
Week/Block 4	Ch 7		<u>Due:</u> Lab 4,5		Quiz 4 (ch. 5 and ch. 6)
Week/Block 5	Ch 8		<u>Due:</u> Lab 5,6		Quiz 5 (ch. 7)
FINAL Week	Check the college calendar				FINAL (Ch. 1-8)

**Please check assignments in detail on Catalyst. Turn in all work only on Catalyst.
Catalyst is used for both regular classroom as well as ONLINE and Hybrid courses.**