

**Instructor:** Gilberto Pérez (Office: Bldg 8 #39 Email: [gilbertperez@csupomona.edu](mailto:gilbertperez@csupomona.edu))

**Office Hours:** MWF 1030 - 1200 and by appointment.

**Textbook:** Tony Gaddis, Starting Out With C++: From Control Structures through Objects, 7<sup>th</sup> edition (ISBN-10:0132576252, ISBN-13: 9780132576253)

**Course Outline:**

Chapter 1	.....	Introduction to Computers and Programming
Chapter 2	.....	Introduction to C++
Chapter 3	.....	Expression and Interactivity
Chapter 4	.....	Making Decisions
Chapter 5	.....	Loops and Files
Chapter 6	.....	Functions
Chapter 7	.....	Arrays
Chapter 8	.....	Searching and Sorting Arrays
Chapter 9	.....	Pointers
Chapter 10	.....	Characters, C-Strings, and More about the String Class
Chapter 11	.....	Structured Data
Chapter 12	.....	Advanced File Operations
Chapter 13	.....	Introduction to Classes
Chapter 14	.....	More About Classes
Chapter 15	.....	Inheritance, Polymorphism, and Virtual Functions
Chapter 16	...	Exceptions, Templates, and the Standard Template Library
Chapter 17	.....	Linked Lists
Chapter 18	.....	Stacks and Queues
Chapter 19	.....	Recursion

**Grading Policy:** All grades and course materials can be found on *Blackboard*. Final grades will be assigned using the scale. \*

<i>Grade</i>	<i>Percentage Range</i>	<i>Grade</i>	<i>Percentage Range</i>	<i>Grade</i>	<i>Percentage Range</i>
		A	93-100%	A-	90-92%
B+	87-89%	B	83-86%	B-	80-82%
C+	77-79%	C	73-76%	C-	70-72%
D+	67-69%	D	63-66%	D-	60-62%
		F	less than 60%		

- No late work will be accepted unless an extension is expressly given. Reasons must be significant and documentation will be expected.
- If a student is not able to attend and exam date, then he/she is responsible for informing the instructor in a timely fashion. An alternate date can be arranged given extraordinary circumstances.

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\*If the aggregate grade of the class is deemed too low, then final grades will be curved using a normal distribution.

- Work can be regraded upon request, but the student is expected to defend their work.

**Grading Weights:** A student's final grade will be calculated using the following weights

<i>Category</i>	<i>Weight</i>
Projects	32%
Midterms	34%
Final	34%

**Projects:** There will be a total of four projects. Projects will be graded based on output compared against expected output. Even minor differences will result in a failed test case. Further, points will be given for the readability of the code as well as effort.

Furthermore, since projects will increase in complexity throughout the quarter, each project will be worth more than the previous one.

<i>Project Number</i>	<i>Weight</i>
Project 1	5%
Project 2	7%
Project 3	9%
Project 4	11%
<b>Total</b>	<b>32%</b>

**Midterms:** There will be two midterm exams covering 3-5 chapters.

**Final Exam:** Will be cumulative.

**Academic Honesty:** The University is committed to maintaining academic integrity throughout the university community. Academic Dishonesty is a serious offense that can diminish the quality of scholarship, the academic environment, the academic reputation, and the quality of a Cal Poly Pomona degree. The following policy is intended to define clearly academic dishonesty at Cal Poly Pomona and to state the responsibility of students, faculty and administrators relating to this subject.

All forms of academic dishonesty at Cal Poly Pomona are a violation of university policy and will be considered a serious offense. Academic dishonesty includes but is not limited to:

- *Plagiarism* - Plagiarism is intentionally or knowingly presenting words, ideas or work of others as one's own work. Plagiarism includes copying homework, copying lab reports, copying computer programs, using a work or portion of a work written or created by another but not crediting the source, using one's own work completed in a previous class for credit in another class without permission, paraphrasing another's work without giving credit, and borrowing or using ideas without giving credit.
- *Cheating During Exams* - Exam cheating includes unauthorized "crib sheets", copying from another, looking at another student's exam, opening books when not authorized,

obtaining advance copies of exams, and having an exam re-graded after making changes. Exam cheating includes exams given during classes, final exams and standardized tests such as the Graduate Writing Test and Math Diagnostic Test.

- *Use of Unauthorized Study Aids* -This includes utilization of other's computer programs or solutions, copying a copyrighted computer program without permission, using old lab reports, having others perform one's share of lab work, and using any material prohibited by the instructor.
- *Falsifying any University Document* -This includes falsifying signatures on university forms, such as Add-Drop and Withdrawal forms, forging another student's signature and falsifying pre-requisite requirements.

**Important Dates:**

Classes begin .....	September 25th
Last day to add classes .....	October 1st
Last day to drop classes without receiving a "W" .....	October 1st
Final Exam .....	December 8th at 1340