

CECS 282-01 (3287) Spring 2021

Advanced C++ Class Syllabus

You include that code header every time. ALSO you will screen share your code with output when submitting

Class Meeting: Mon/Wed 7:00 to 7:50 pm OnLine

Lab Meeting: Mon/Wed depending on student registration

Instructor: Steve Gold

Office Hours: Mon 5:00 to 5:30 in Virtual Office (Before my lab on Mon/Wed)

E-mail: Steven.Gold@csulb.edu

Prerequisites: CECS 274, CECS 277

Goals and Content:

Structured and Object Oriented Programming in C++. Common features and differences between Java and C++. Pointers, references, and memory management, stream I/O, classes, operator overloading, exception handling, STL.

Programming Assignments:

You will receive periodic programming assignments that relate to the current material we are covering. You will demo the program in lab on the due date. The due date will be listed on the programming assignment. Incomplete programs will not be accepted. Programs are worth 20 points. Late programs will lose 10 points.

On the program due date, you will submit your program to the dropbox. Specific instructions will be included for each assignment. You must demo before the official end of class time.

Before you demo

Every program you submit will have the following text listed at the top of the main program in comments:

```
//      Name
//      Class (CECS 282-01)
//      Project Name (Prog 1 – Solitaire Prime)
//      Due Date (mon/day/year)
//
//      I certify that this program is my own original work. I did not copy any part of this program from
```

// any other source. I further certify that I typed each and every line of code in this program.

After you demo, load your entire program (source code only as text) to Beachboard. There will be a folder created for each assignment.

Quizzes: We will have a quiz for each programming assignment. Quizzes are worth 20 points each.

Tests: There will be 1 midterm tests (100 points) and one Final (100 points) for a total of 2 tests.

Labs: You are required to sign up for a lab in addition to this class. The lab will be taught by a lab instructor (not me). You will receive assignments from the lab instructor which will be graded by the lab instructor. Your overall lab score will contribute 25% of your final grade

Textbooks and Course Materials:

- ***You need to acquire a C++ compiler for your computer.***
- ***Required Textbook: Big C++ by Cay Horstmann***
You can purchase this book using this link.
<https://www.wiley.com/en-us/Big+C%2B%2B%3A+Late+Objects%2C+3rd+Edition-p-9781119402978>
- www.cppReference.com
- www.cplusplus.com
- You will benefit by using one of the many on-line resources available for C++. The CSULB online library has several C++ books available. Google can help you find C++ references as well.

ADA accommodations:

Students with a disability or medical restriction who are requesting a classroom accommodation should contact the Disabled Student Services at 562-985-5401 or visit Brotman Hall, Suite 270 during 8AM-5PM weekday hours. Disabled Student Services will work with the student to identify a reasonable accommodation in partnership with appropriate academic offices and medical providers. **We encourage students to reach out to DSS as soon as possible.**

Information for students who need assistance with food or housing:

Any student who is facing academic or personal challenges due to difficulty in affording groceries/food and/or lacking a safe and stable living environment is urged to contact the CSULB Student Emergency Intervention & Wellness Program. The website outlining the resources available is www.csulb.edu/basicneeds. Students can also e-mail supportingstudents@csulb.edu or call 562/985.2038. If comfortable, students may reach out to the professor as they may be able to identify additional resources.

Cheating: *Cheating and plagiarism will not be tolerated in this course. Any individual caught cheating on quizzes, homework, lab projects, or the final exam will be punished to the full extent allowed under University regulations. Plagiarism on papers or assignments is not acceptable and work that is plagiarized will not receive credit. Plagiarism is considered cheating. Note: Any time another person's work is used without giving them proper credit, it is considered plagiarism and cheating. At a minimum, any student caught cheating will receive*

no credit for the work concerned, and will receive a reduction of one letter grade from their final course grade. The official CSULB Policy on Cheating and Plagiarism can be found here:

http://web.csulb.edu/divisions/aa/catalog/current/academic_information/cheating_plagiarism.html

Grading:

6 programs * 20 points each 120 points

6 quizzes * 20 points each 120 points

2 tests * 100 points each 200 points

Total points from class 440 points

Lab (worth 25% of your grade) ~146 points

Total points class + lab 586 points

There will be no extra credit
in this class. Your grade will be
determined by the number of points you
accumulate compared to the total number
possible.

<u>Range</u>	<u>Grade</u>
90% - 100%	A
80% - 89%	B
70% - 79%	C
55% - 69%	D

Final Test: Monday May 10, 2021 @ 7:15 – 9:15 PM