

CIS 230: C++ Programming, Spring 2006

Instructor: Bethany Gilden

Telephone: 707.826.3547

E-mail: blg10@humboldt.edu

Web Site: <http://www.humboldt.edu/~blg10>

Office: Natural Resources (NR) 211B

Class Meetings: Monday, 10-11:50 (For 204A); Wednesday, 10-11:50 (SH 128)

Office Hours: Tuesday, 11-12, Thursday, 11-12, Or by appointment

Text

Program Development and Design using C++, 3rd Edition, Gary Bronson, ISBN 0-619-21677-8

Prerequisites

CIS 130 with a minimum C grade or instructor consent for students from other disciplines. You may be required to drop the course if you do not meet the prerequisites.

General Course Objectives

This is a second-semester programming class which assumes you understand the concepts of procedural programming. Its goal is to bring you to a level of expertise using C++ and object-oriented concepts so that you can write correct, readable and well-structured solutions to well-defined problems.

Course Policies

As a member of a learning community instructors and students agree to a tacit social contract. That contract ensures that all participants will attend every class meeting, engage one another in an informed and spirited manner, and complete all assigned responsibilities on time. In other words, attendance and participation, assignments and exams are your assigned responsibilities.

Attendance & Participation

In general, students who attend class regularly have more success than those who attend intermittently. Throughout the semester, some labs will be compulsory. You will be notified of those labs. You are strongly advised to attend those lab periods that are not mandatory. The lab is your best opportunity to get help and/or suggestions. Don't expect to substitute office hour visits for attendance in the lab.

You are required to have read the assigned material prior to the beginning of each class. Your participation evaluation will consider both quantity and quality of input. If an individual speaks with moderate frequency and with quality when she/he did speak, then she/he will be rated highly. On the other hand, if someone speaks constantly, simply to hear himself talking, then she/he will be rated very low. Not contributing at all or only when forced to do so by being called upon by the instructor will also be rated very low.

Assignments

Unless otherwise noted, course programming assignments are due at the beginning of the lecture period (10:00 am) following their assignment. If noted, you will be required to present pseudo code for your program in the lab just prior to the due date. Late assignments **will not be accepted**. Any exceptions to this rule must be worked out in advance. If your current assignment isn't completed, turn in whatever you have. Assignments will usually be graded on a 10 to 20 point scale. A perfect score suggests the

assignment was perfect: perfect behavior, perfect formatting, perfect documentation, and perfect response to the assignment.

Quizzes and In-Lab Assignments

There will be a quiz each week at the beginning of each lecture period. These quizzes will be short, and based on the lecture material from the prior meeting and/or content from the assigned reading. Your two lowest scores will be dropped from your grade.

On days that lab is mandatory, there may be in-lab assignments. These will be counted as quizzes.

Exams

The two midterms will be given as indicated in the schedule provided. *Exams will be given during the laboratory period.* The final will be on Wednesday, during the finals week. You will not be allowed to take it early.

If you are ill or have some other documented personal emergency, you must provide notification to the instructor *before* the exam begins. If you fail to do this, you will not be allowed to make up the exam in any form.

You are allowed to bring a single sheet of paper (8½" x 11") of handwritten notes to each exam. You may use both sides of the paper. The paper must be handwritten by you.

Note that the Midterms and the Final Exam are comprehensive.

Academic Honesty

All homework is to be the work of each student, individually. You may discuss general concepts of the course with one another, of course --- such discussion is encouraged. Copying or modifying of another's computer files related to homework is never justified. Note that it is your responsibility to ensure that homework files are read-protected.

I will not tolerate cheating on homework assignments or tests. You are responsible for deleting your work in the lab before you leave. If you fail to do so, work showing significant duplication will receive no credit for anyone involved, and neither will any work done by anyone other than the person handing it in. The University's policies on academic honesty will be enforced.

Credit/No Credit Option

If this course is not required for your major, you may choose to take it on a CR/NC basis, provided it is the only course for which you are so opting this term. If you elect this option, you must change your class grade option for this class by the University deadline (March 21, by 4:00 pm). Remember that if you change majors so that this course becomes required, a CR grade is not acceptable.

Incompletes

A grade of I is appropriate only if some unpredicted event makes it impossible for the student (who has a passing grade) to complete the final portion of the term's work. The CS department does not usually assign Incompletes; however if you have a special circumstance, which you believe qualifies you for an Incomplete, please contact the instructor.

Dropping the Class

The University allows a student to drop a class until mid-semester (April 15, by 4:00 pm) provided s/he has a "serious and compelling" reason and is willing to pay the drop fee. If you wish to cease being enrolled in this course, it is up to you to complete the drop form, fill in the serious and compelling reason, get the appropriate signatures and submit the form before the University deadline. If you cease continuing with the class by failing to attend or complete assignments and do not officially drop, your grade will be submitted as "U" **regardless** of the number of points you may have already accumulated.

Copies of all homework assignments and handouts will be made available to you on my web site: www.humboldt.edu/~blg10 or on Moodle (learn.humboldt.edu).

Grading Policy

Letter Grade Grades will be assigned on a percentage-earned basis according to this table:

Percentage	Grade	Assignments breakdown
93 and above	A	Participation: 5%
90-92	A-	Homework: 25%
88-89	B+	Quizzes: 15%
83-87	B	Midterm 1: 15%
80-82	B-	Midterm 2: 15%
78-79	C+	Final Exam: 25%
73-77	C	
70-72	C-	
68-69	D+	
60-67	D	
Below 60	F	

Classroom Conduct

Students who display unprofessional conduct during class will be asked to leave class. Unprofessional conduct during the class includes, but is not limited to, activities such as reading newspapers, talking while someone else has the floor, wearing a cap, shouting at people, and lack of respect for others with differing opinion. Students who need to study for another class' exam should do so elsewhere. Consistently arriving late to class or other disruptive behavior, such as distractions to others, are also considered unprofessional. A second incident of unprofessional conduct in class may result in the student being dropped from the course for disciplinary reasons (with a failing grade).

Backups

One of the most important things you can do is backup your work. Unfortunately, most people do not learn this until they have lost something catastrophic. While you will be provided storage space on a server, you are **required** to keep a copy of your work in a second location. I recommend the use of a USB drive; however, a zip disk will work as well. Floppy disks fail often. If you chose to use them, please keep two copies. If you forget your backup media, you can always e-mail your work to yourself.

CIS 230 Course Schedule, Spring 2006

All items in this schedule are subject to change.

Changes will be announced in class and posted on Moodle: <http://learn.humboldt.edu>

Week	Date	Topic	Reading Assignment
1	16-Jan	No class	
	18-Jan	Introduction, Review: Data Types, Operators, Variables, Constants	Chapters 2-3
2	23-Jan	*Lab: Introduction, Unix overview, Programming Style & Requirements	
	25-Jan	Selection/Repetition	Chapters 4-5
3	30-Jan	*Lab: Review	
	1-Feb	Functions	Chapter 6
4	6-Feb	*Lab: Review	
	8-Feb	The String Class	Chapter 7
5	13-Feb	Lab	
	15-Feb	I/O Files Streams & Data Files	Chapter 11
6	20-Feb	*Lab: Midterm #1	
	22-Feb	Arrays	Chapter 12
7	27-Feb	Lab	
	1-Mar	Introduction to Classes	Chapter 8
8	6-Mar	Lab	
	8-Mar	Classes, continued	
	13-Mar	No lab: Spring Break	
	15-Mar	No class: Spring Break	
9	20-Mar	Lab	
	22-Mar	Class Functions and Conversions	Chapter 9
10	27-Mar	Lab	
	29-Mar	Inheritance and Dynamic Memory Allocation	Chapter 10
11	3-Apr	Lab	
	5-Apr	Inheritance continued.	
12	10-Apr	*Lab: Midterm #2	
	12-Apr	Addresses, Pointers, & Arrays	Chapter 14
13	17-Apr	Lab	
	19-Apr	Pointers, continued	Chapter 14
14	24-Apr	Lab	
	26-Apr	Selected Topics	TBA
15	1-May	Lab	
	3-May	Review	
16	10-May	Final Exam: 10:20 AM, SH 128 (Location to be confirmed)	

* Labs are required as indicated with an asterisk. Other required labs will be announced as needed.