

Course Information and Notes

- [FINAL GRADES](#). These are identified by the alias you chose to use on your final exam.
- [Here](#) is a review sheet for the final exam.
- Homework 9 was extended by 48 hours (to Thursday night)
- [Here](#) is a review sheet for Exam 2
- Here are files that can be used for the graphics part of the class:
 - [Graph.cpp](#)
 - [Graph.h](#)
 - [GUI.cpp](#)
 - [GUI.h](#)
 - [Point.h](#)
 - [sample_main4.cpp](#)
 - [Simple_window.cpp](#)
 - [Simple_window.h](#)
 - [std_lib_facilities_4.h](#)
 - [Window.cpp](#)
 - [Window.h](#)
- For the calculator example as we worked on it in class:
 - [The Calculator.cpp file](#)
 - [The header file](#) (that you probably already have)
- [Course Piazza page](#)
- [Syllabus](#)

Assignments and Lab Work

Assignments

- [Optional Extra Credit Project](#)
- [Homework 10](#)
- [Homework 9](#)
- [Homework 8](#)
- [Homework 7](#)
- [Homework 6](#)
- [Homework 5](#)
- [Homework 4](#)
- [Homework 3](#)
- [Homework 2](#)
- [Homework 1](#)

Lab Work

Points refer to points for the participation part of the class.

- Be sure to show up to lab this week (4/22 and 4/24).
- Lab on 4/1, 4/3 will be used to discuss trees, which are needed for Homework 8.
- Because there is a test that day, and no homework assigned, lab will not meet on 3/27.
- In lab on 3/14, make sure you can get a graphical program up and running.
- 2/18 We will go over Homework 5 in class on 2/18.
- 2/11 and 2/13: Work on Homework 4. Lab will go over debugger.
- 2/4 and 2/6: Work on Homework 3. Lab will go over recursion.
- 1/28 and 1/30: Work on Homework 2

- 1/21 and 1/23: Work on Homework 1
- 1/16: Join the class page for Piazza and answer the question given there (10 points)
- 1/16: Complete the drills from chapter 2. Ensure you can compile and run the Hello World program in both Visual Studio and on a unix system (5 points each).
- 1/14: Claim your CS account. Ensure you can log into the lab machines and access your home directory.

Schedule

Schedule is subject to change

Day			Class Topics	Book Chapter	Lab Work/Assignments	Assignments Due
1	Tue.	Jan. 14	Intro to Course Programming	1, 2	Claim CS account	
2	Thu.	Jan. 16	Objects, Types, and Values	3	Hello World Piazza Login	
3	Tue.	Jan. 21	Computation	4	Homework 1	
4	Thu.	Jan. 23	Errors	5		
5	Tue.	Jan. 28	Writing a Program	6	Homework 2	Homework 1 (night before)
6	Thu.	Jan. 30	Completing a Program	7		
7	Tue.	Feb. 4	Technicalities: Functions, etc. Grammars	8	Homework 3	Homework 2 (night before)
8	Thu.	Feb. 6	Technicalities: Classes, etc.	9	Recursion	
9	Tue.	Feb. 11	Call Stacks File Input/Output	10	Homework 4	Homework 3 (night before)
10	Thu.	Feb. 13	Customizing Input and Output	11	Using a debugger	
11	Tue.	Feb. 18	Review for Test 1	Chapters 1 - 9	Homework 5	Homework 4 (night before)
12	Thu.	Feb. 20	TEST 1	Chapters 1 - 9		
13	Tue.	Feb. 25	Review of Test 1	Chapters 1 - 9		
14	Thu.	Feb. 27	Graphics and GUIs Introduction	12, 13		

15	Tue.	Mar. 4	Object Oriented Programming via the Shape class	14		Homework 5 (night before)
16	Thu.	Mar. 6	Object Oriented Programming (continued) Object Oriented Programming via the Shape class	15		
17	Tue.	Mar. 18	GUIs	16		Homework 6
18	Thu.	Mar. 20	Vectors and the Free Store	17		
19	Tue.	Mar. 25	Vectors and the Free Store (continued) Review for Exam 2			Homework 7
20	Thu.	Mar. 27	TEST 2	Chapters 10 - 16		
21	Tue.	Apr. 1	Vectors and Arrays	18		
22	Thu.	Apr. 3	Test 2 review	Chapters 10 - 16		
23	Tue.	Apr. 8	Vectors, Templates, and Exceptions	19		Homework 8
24	Thu.	Apr. 10	Containers and Iterators	20		
25	Tue.	Apr. 15	Iterators (continued) Algorithms	21		
26	Thu.	Apr. 17	Algorithms (continued)			Homework 9
27	Tue.	Apr. 22	Selected Topics Heartbleed Exploit	22.1, 23.5-23.6, 24.2-24.4		
28	Thu.	Apr. 24	Selected Topics	25.1-25.2, 25.5-25.5.3, 25.6-25.6.1, 26-26.3.2.1, 27 (various)		Homework 10
	Wed.	May 7	FINAL EXAM, 8:00-10:00			