

Tentative Course Schedule for VG1112A

Stroustrup		Stallman <i>et al.</i> ¹	Approx. Week	Description	Class Hours
Page	Chapter				
			1	Introductions	0.25
				Setting up OpenPGP and subversion.	0.75
3 69	1.1-1.8 4.1-4.11			C++ philosophy, basics, the pre-processor, and branching.	3
		<i>What is Free Software?</i>		Introduction to <i>software libre</i> .	0 ²
				Assignment 1. Due by start of next class.	0
101	5.7		2	Structures	4
		<i>Why Software Should Not Have Owners</i>		Issues arising from the application of ownership to non-material entities.	0
				Assignment 2. Due by start of next class.	0
143	7.1-7.9		3	Functions	4
		<i>Selling Free Software is OK!</i>		Discusses the commercial capacity of free software.	0
				Assignment 3. Due by start of next class.	0
223	10.1-10.5		4	Objects and classes	4
		<i>Categories of Free and Non-Free Software</i>		Discusses major genre of software nomenclature.	0
				Assignment 4: Due by start of next class.	0
88 48	5.2 3.5		5	Arrays and strings	4
		<i>Why "Open Source" misses the point of Free Software</i>		Discusses the distinction between free and open source software philosophies.	0
				Assignment 5. Due by start of next class.	0
			6	Midterm Exam	2

¹ These articles are available at the GNU Project website at <http://www.gnu.org/philosophy>.

² Material listed as zero hours of class time is material assigned for homework.

261	11.1-11.13			Operator overloading	2
		<i>Linux, GNU, and Freedom</i>		Discusses the complications arising from the naming of a free operating system.	0
				Assignment 6. Due by start of next class.	0
87 91 100	5.1 5.3 5.6		7	Pointers	4
		<i>Why Schools Should Use Exclusively Free Software</i>		Discusses the pedagogical aspects of free software in the classroom and academic research area.	0
				Assignment 7. Due by start of next class.	0
301	12.1-12.3		8	Virtual functions	4
		<i>Copyleft, Why Copyleft?, Copyleft: Pragmatic Idealism</i>		Discusses the underlying ideas leading to the preservation of fundamental user rights.	0
				Assignment 8. Due by start of next class.	0
605	21.1-21.5		9	Streams and files	4
		<i>Fighting Software Patents – Singly & Together, Software Patents & Literary Patents</i>		Discusses issues arising from software patents.	0
				Assignment 9. Due by start of next class.	0
327	13.1-13.8		10	Templates and exceptions	4
		<i>Don't Let "Intellectual Property" Twist Your Ethos, Did You Say "Intellectual Property"? It's a Seductive Mirage</i>		Discusses common terminology and seeks clarification on their meanings.	0
				Assignment 10. Due by start of next class.	0
			11	Final Exam	2
429	16.1-16.4			The Standard Template Library	2
		<i>Free Software &</i>		Discusses global implications and	0

		<i>Sustainable Development</i>		responsible citizenry with respect to software.	
				Assignment 11. Due next Sunday.	0