Course Schedule – 15-123 Effective Programming in C & Unix – Summer 09

(subject to change)

June 29, 2009, M	INTRODUCTION TO C AND UNIX, GCC
June 30, 2009, T	C Strings and File I/O, precedence of operators
July 1, 2009 W	Basic Pointers, Arrays, **Skills Lab 1 – File IO**
July 2, 2009 TR	Functions – reference and value arguments
July 3, 2008, F	**No Class – Holiday - independence day**
	Lab 1 Due (Dictionary Array)
July 6, 2009, M	Advanced Pointers, *, **, ***
July 7, 2009, T	Debugging Programs with GDB
July 8, 2009 W	malloc, calloc and realloc, examples, **Skills Lab 2 – malloc**
July 9, 2009 TR	Function pointers
July 10, 2009, F	**Quiz 1 (basics of C, pointers)**
	Skills Lab 3 – Dynamic Arrays
	Lab 2 Due (Dictionary Lists with Dynamic Arrays)
July 13, 2009, M	Introduction to LL's
July 14, 2009, T	LL operations and C implementations
July 15, 2009 W	Hash Tables, **Quiz 2 (Linked Lists)**
	Skills Lab 4 – Linked Lists
July 16, 2009 TR	Midterm Review
July 17, 2009, F	**Written Midterm**
	Lab 3 Due (Complex Lists)
July 20, 2009, M	Hash Tables in C
July 21, 2009, T	Bits, Bytes and Bit operations,
July 22, 2009 W	Practice Test
July 23, 2009 TR	**Quiz 3 (Bit Operations), Skills Lab 5– Hash Tables**
July 24, 2009, F	**Programming Midterm**
	Lab 4 Due (Image Encryption) – due Sunday
	Skills Lab 5 – due Saturday
July 27, 2008, M	Introduction to Regular Expressions, Perl Programming
July 28, 2008, T	Advanced Perl Programming
July 29, 2008 W	**Skills Lab 6 – Perl Programming**
July 30, 2008 TR	Shell Programming,
July 31, 2008, F	Introduction to Systems Programming
	Lab 5 Due (Perl Assignment)
Aug 3, 2008, M	**Skills Lab 7 – Shell programming**
	Quiz 4 (Perl & Shell Programming)
Aug 4, 2008, T	System Calls in C
Aug 5, 2008 W	Course Review, **Lab 6 Due (Sys Calls)**

Aug 6, 2008 TR **Final Exam**