

FALL 2006 SCHEDULE Comp116-601

Week #	Date	Lecture Topic	Assignment Out	Assignment Due
1	Wed Aug 23	Lec 00: Welcome, Introduction	Ass1 out	
	Fri Aug 25	Recitation: Get MATLAB up and running		
2	Mon Aug 28	Lec 01: Programming & problem-solving. Variables, Assignments, Expressions, Data-types, Calculations.		
	Wed Aug 30	Lec 02 : Indexing, Arrays, Vectors, Matrices		
	Fri Sep 1	Recitation		Ass1 due
3	Mon Sep 4	LABOR DAY		
	Wed Sep 6	Lec 03: Vectors and Matrices, Plotting	Ass 2 out	
	Fri Sep 8	Recitation		
4	Mon Sep 11	Lec 04: Number representations, Logic, Branching (if-then-else)		
	Wed Sep 13	Lec 05: Branching, Loops (for, while)	Ass 3 out	
	Fri Sep 15	Recitation		Ass2 due
5	Mon Sep 18	Lec 06: Linear Algebra, Functions		
	Wed Sep 20	Lec 07: Functions AND Profiling, Tracing, Debugging		
	Fri Sep 22	Recitation		Ass 3 due
6	Mon Sep 25	Lec 08: Strings, Multi-dimensional arrays		
	Wed Sep 27	Lec 09: Files Input/Output		
	Fri Sep 29	Recitation: review for mid-term		
7	Mon Oct 2	Lec 10: Vectorization		
	Wed Oct 4	MID TERM 1		
	Fri Oct 6	Recitation	Ass4 out	
8	Mon Oct 9	Lec 11: Cells, Structures		
	Wed Oct 11	Lec 12: Recursion		
	Fri Oct 13	Recitation		
9	Mon Oct 16	Lec 13: Sort and Search		Ass4 due

	Wed Oct 18	Lec 14: Least Squares and Data Fitting	Ass5 out	
	Oct 18-22	FALL BREAK		
10	Mon Oct 23	Lec 15: Statistics, Robust Estimation		
	Wed Oct 25	Lec 16: Interpolation, Data analysis, Advanced Plotting	Ass6 out	
	Fri Oct 27	Recitation		Ass5 due
11	Mon Oct 30	Lec 17: Special Topics: Symbolic Computations		
	Wed Nov 1	Lec 18: Special Topics: Root finding, Optimization		
	Fri Nov 3	Recitation: review for mid-term		Ass6 due
12	Mon Nov 6	Lec 19: Special Topics: Integration and Differentiation		
	Wed Nov 8	MID TERM 2		
	Fri Nov 10	Recitation	Ass7 out	
13	Mon Nov 13	Lec 20: Special Topics: Ordinary Differential Eqns		
	Wed Nov 15	Lec 21: Special Topics: Graphical User Interfaces		
	Fri Nov 17	Recitation		Ass7 due
14	Mon Nov 20	Lec 22: Special Topics: Algorithms and complexity with examples from scientific computing.	Ass8 out	
	Nov 22 - 26	THANKSGIVING		
15	Mon Nov 27	Lec 23: MEX / Matlab compiler		
	Wed Nov 29	Lec 24: C Programming		
	Fri Dec 1	Recitation		Ass8 due
16	Mon Dec 4	Lec 25: Matlab with C		
	Wed Dec 6	Lec 26: TBD		
	Fri Dec 8	EXAM WEEK STARTS		
	Sat Dec 9	FINAL EXAM : 12.00 PM / Sitterson 011		