CS162: Course Plan

Fall 2020

(The following dates are subject to change!)

Date	Topic #	Required Videos to Watch(*)	Reading Assigned	Linux Manual (outside of lab)	Lab Performed
Week #1 Sept 28-Oct 2	• Syllabus • Topic #1 – Introduction	Topic #1 Part I, Demo	Malik:1-3 Shackelford: 1	Linux #1.1	**CS162 Lab #1**
Week #2 Oct 5- 9	• Topic #1 – Conditionals, Loops • Topic #1 - Arrays	Topic #1 Part II, III Topic #1 Part IV, V	Malik:4-5 Shackelford: 2	Linux #1.2	**CS162 Lab #2**
Week #3 Oct 12-16	• Topic #2 – Example of Functions • Topic #2 – Syntax of Functions	Topic #2 Part I Topic #2 Part II	Malik: 6, 8	Linux #1.3	**CS162 Lab #3**
Week #4 Oct 19-23	• Topic #2 - Structures • **Midterm #1 on 10/22**	Topic #2 Part III, IV	Malik: Chapter 9 Shackelford: 3	Linux #1.4	**CS162 Lab #4**
Week #5 Oct 26-30	• Topic #2 – External Files • Topic #3 – Class Concept • **Midterm Demos**	Topic #2 Part V, VI Topic #3 Part I, II, III	Malik: Chapter 10 Shackelford: 4	Linux #1.5	**CS162 Lab #5**
Week #6 Nov 2-6	• Topic #4 on Pointers • Topic #4 on Pointer Arithmetic	Topic #4 Part I Topic #4 Part II, III	Malik: Chapter 12 Shackelford: 5.1-5.4	Linux #1.6	**CS162 Lab #6**
Week #7 Nov 9-13	• Topic #4 - LLL traversal • Topic #4 - LLL Insert	Topic #4 LLL Part I, II, III Topic #4 LLL Part III, IV	Malik: Chapter 17 Shackelford: 5.5-5.6	Linux #1. 7	**CS162 Lab #7**
Week #8 Nov 16-20	• **Midterm #2 on 11/17** • Topic #4 - LLL Removal	Topic #4 LLL Part V, VI		Linux #1.8	**CS162 Lab #8**
Week #9 Nov 23-25	• Topic #5 - Recursion • **Holiday, PSU is closed 11/26, 27**	Topic #5 Part I, II	Malik: Chapter 15 Shackelford: 4.10, 6		**Holiday No Lab**
Week #10 Nov 30-Dec 4	• Topic #5 – Practicing Recursion • Topic #6 – Arrays of Arrays • Prepare for Final Exam	Topic #5 Part III, IV Topic #6	Malik: 8 Shackelford: 8	Linux #1 Review	**CS162 Lab #9, CS162 Lab 10**

(*) Videos **must** be watched **prior** to the live streaming sessions