CS202: Course Plan

Spring 2021

(The following dates are subject to change!)

Date	Topic #	Required Videos to Watch(*)	Reading Assigned	Linux Manual	Lab Performed
Week #1	• Introduction, Syllabus • Topic #1 - OOP	Topic #1 Part I, II	(Review Prata 1-8) Prata Ch 10	Linux #3.1	**CS202 Lab #1** OOP
Week #2	• Topic #3 – Inheritance • Topic #3 – Copy Constructors	Topic #3 Part I, II Topic #3 Part III, IV	Prata Ch 13-14	Linux #3.2	**CS202 Lab #2** Inheritance
Week #3	• Topic #4 – Dynamic Binding • Topic #4 – Dynamic Binding	Topic #4 Part I, II Topic #4 Part III, IV	Prata Ch 13	Linux #3.3	**CS202 Lab #3** Dynamic Binding
Week #4	• **Midterm #1 on April 20th** • Topic #4 – Abstract Base Class, RTTI, User Defined Conversions,	Topic #4 Part V, VI, VII		Linux #3.4	**CS202 Lab #4** Practice Data Structures/Recursion
Week #5	• Topic #5 – Exception Handling • Topic #6 – Operator Overloading • **Midterm Demos**	Topic #5 Video Topic #6 Part I Video	Prata Ch 15, 9	Linux #3.5	**CS202 Lab #5** Exception Handling
Week #6	• Topic #6 – Operator Overloading • Topic #6 – With Hierarchies	Topic #6 Part II, III, IV	Prata Ch 11	Linux #3.6	**CS202 Lab #6** Operator Overloading
Week #7	• Topic #8 – Learning Languages • Topic #8 – Java and Recursion	Topic #8 Part I, II Topic #8 Part III, IV, V	Eckel: 1-3	Linux #3.7	**CS202 Lab #7** Java Workshop
Week #8	• Topic #8 – Analyzing Solutions • Topic #7 – Friends, Nesting, Static	Topic #8 OOP Parts I,II Topic #7 Part I	Eckel: 4-9	Linux #3.8	**CS202 Lab #8** Recursion in Java
Week #9	• Topic #7 – Templates • **Midterm #2 on May 27th**	Topic #7 Part II	Eckel: Generics		**CS202 Lab #9** Parallel Prog.
Week #10	• **Prepare for Final Exam** • **Final proficiency demos begin**	All Live Lectures!		Linux #3 Review	**CS202 Lab #10** Practice BSTs

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