



Course Name: Data Structures

Course Number: CS 261 (Online)

Credits: 4

Instructor Info: Randy Scovil / randy.scovil@oregonstate.edu

Course Schedule – Spring 2022:

Week	Course Activities
1	<ul style="list-style-type: none">Module 1 – Introduction to Data StructuresSyllabus Quiz (Due: 4/6)Assignment 0: Introduction and Environment Setup (Due: 4/6)
2	<ul style="list-style-type: none">Module 2 – Big O Notation, Binary SearchAssignment 1: Python Programming Practice (Due: 4/18)
3	<ul style="list-style-type: none">Module 3 – ADTs, Python's List, IteratorsAssignment 2: Implementation of Dynamic Array and ADTs (Due: 4/25)
4	<ul style="list-style-type: none">Module 4 – Linked Lists, Stacks, QueuesAssignment 3: Implementation of Linked Lists and ADTs (Due: 5/2)
5	<ul style="list-style-type: none">Module 5 – Binary Trees
6	<ul style="list-style-type: none">Module 6 – AVL TreesMidterm (Available from 5/4-8 and covers material from Week 1-5)
7	<ul style="list-style-type: none">Module 7 – Priority Queues and HeapsAssignment 4: BST/AVL Tree Implementation (Due: 5/16)
8	<ul style="list-style-type: none">Module 8 – Maps and Hash TablesAssignment 5: Heap Implementation (Due: 5/23)
9	<ul style="list-style-type: none">Module 9 - GraphsAssignment 6: Hash Map Implementation (Portfolio Assignment) (Due: 6/3)
10	<ul style="list-style-type: none">Module 10 – Advanced Sorting
Final Week	<ul style="list-style-type: none">Final Exam (Available from 6/5-9 and covers material from entire course)