



Course Name: Data Structures

Course Number: CS 261 (Online)

Credits: 4

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

Course Schedule – Fall 2024:

Week	Course Activities
0 / 1	<ul style="list-style-type: none">Module 1 – Introduction to Data StructuresSyllabus Quiz (Due: 10/7)Assignment 0: Introduction and Environment Setup (Due: 10/7)
2	<ul style="list-style-type: none">Module 2 – Big O Notation, Binary SearchAssignment 1: Python Programming Practice (Due: 10/21)
3	<ul style="list-style-type: none">Module 3 – ADTs, Python's List, IteratorsAssignment 2: Implementation of Dynamic Array and ADTs (Due: 10/28)
4	<ul style="list-style-type: none">Module 4 – Linked Lists, Stacks, QueuesAssignment 3: Implementation of Linked Lists and ADTs (Due: 11/4)
5	<ul style="list-style-type: none">Module 5 – Binary Trees
6	<ul style="list-style-type: none">Module 6 – AVL TreesMidterm (Available from 11/6-10 and covers material from Week 1-5)Assignment 4: BST/AVL Tree Implementation (Due: 11/18)
7	<ul style="list-style-type: none">Module 7 – Priority Queues and HeapsAssignment 5: Heap Implementation (Due: 11/25)
8	<ul style="list-style-type: none">Module 8 – Maps and Hash TablesAssignment 6: Hash Map Implementation (Portfolio Assignment) (Due: 12/5)
9	<ul style="list-style-type: none">Module 9 - Graphs
10	<ul style="list-style-type: none">Module 10 – Advanced Sorting
Final Week	<ul style="list-style-type: none">Final Exam (Available from 12/8-12 and covers material from entire course)