University of Nevada, Las Vegas Computer Science 477/677 Fall 2022

Schedule of Homework and Tests Fall 2022

Tuesday August 30. First day of class, 8:30 – 9:45, Room TBE B176.

Thursday September 1. Class.

Tuesday September 6. Class.

Thursday September 8. Class. Assignment 1 due. Turn it in to the grader or teaching assistant. Since no grader or teaching assistant has been assigned yet, you will get instructions later.

Tuesday September 13. Class.

Thursday September 15. Class. Friday September 16. Assignment 2 due. Turn it in to the grader or teaching assistant by midnight.

Tuesday September 20. Class.

Thursday September 22. Class. Assignment 3 due. Turn it in to the grader or teaching assistant.

Tuesday September 27. Class.

Thursday September 29. First Examination.

Topics will include:

 O, Ω , and Θ , and what they mean.

Recurrences.

Time complexity of code.

Dynamic programming.

Divide and conquer.

Mergesort.

Quicksort.

Binary search.

Greedy algorithms.

Huffman's.

Kruskal's.

Sorting algorithms.

Data stuctures.

Priority queue.

Stack.

Queue.

Heap.

Search structure.

Unordered list, and linear search.

Binary search tree.

Hash table.

Collision resolution.

Array and linked list implementations of data structures.

Sparse arrays and memoization.

Loop invariants.

Tuesday October 4. Class.

Thursday October 6. Class.

Tuesday October 11. Class.

Thursday October 13. Class. Assignment 4 due.

Tuesday October 18. Class.

Thursday October 20. Class. Assignment 5 due.

Tuesday October 25. Class.

Thursday October 27. Second Examination.

Tuesday November 1. Class.

Thursday November 3. Class.

Tuesday November 8. Class.

Thursday November 10. Class. Assignment 6 due.

Tuesday November 15. Class.

Thursday November 17. Class.

Tuesday November 22. Third Examination.

Thursday November 24. Thanksgiving Recess. No class.

Tuesday November 29. Class.

Thursday December 1. Class. Assignment 7 due.

Tuesday December 6. Class.

Thursday December 8. Class.

Thursday December 15. Final Examination: 8:00 – 10:00.