**COURSE SCHEDULE**

**Fall 2021 Distance Learning**

**NOTE:**  Course Schedule subject to change as required.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Week** | **Begin/End**  **Date** | **Lecture Topic(s)** | **Chapter Reading+**  **Revel** | **Lab Assigned** |
| 1 | 8/23 | Course Introduction  Intro to Computers and Programming | 1 | LAB 1  Simple prints |
| 8/29 |
| 2 | 8/30 | Input, Processing, and Output -  Assignments, Inputs, Printing | 2 | LAB 2  Recipe |
| 9/5 |
| 3 | 9/6 | Holiday, Monday 9/6 Labor Day  Decision Structures and Boolean Logic | 3 | LAB 3  SW Discount |
| 9/12 |
| 4 | 9/13 | Repetition Structures -  For Loops, While Loops, Writing conditions for the loops, Flowcharting | 4 | LAB 4  Ocean Rise  Budget |
| 9/19 |
| 5 | 9/20 | **Review 9/21**  **Exam 1, 9/23** | **Ch 1-4** |  |
| 9/26 |
| 6 | 9/27 | Functions – Definitions and Scoping, argument mapping, random numbers | 5.1 – 5.6 | LAB 5A  Number stars |
| 10/3 |
| 7 | 10/4 | Functions – Void functions and returning values in functions | 5.7 – 5.8 | LAB 5B  Falling Objects |
| 10/10 |
| 8 | 10/11 | Files and Exceptions  Reading and writing from files, file streams, file methods | 6 | LAB 6  Random Numbers |
| 10/17 |
| 9 | 10/18 | **Review 10/19**  **Exam 2, 10/21** | **Ch 1-6** |  |
| 10/24 |
| 10 | 10/25 | Lists and Tuples – Introduction to data structures, list definitions & methods | 7.1 – 7.6 |  |
| 10/31 |
| 11 | 11/1 | Lists and Tuples Continued – Using list functions to store and manipulate data. Tuples and their uses | 7.7 – 7.10 | LAB 7  Larger than N |
| 11/7 |
| 12 | 11/8 | Strings – Advanced sting methods, slicing and editing, sting matching and searching, indexing into strings | 8 | LAB 8  String Counts |
| 11/14 |
| 13 | 11/15 | Dictionaries – Complex data structures, sets | 9 | LAB 9  Course Data |
| 11/21 |
| 14 | 11/22 | Classes and Objects  THANKSGIVING HOLIDAY – No Class | 10.1 |  |
| 11/28 |
| 15 | 11/29 | Classes (Continued) – Defining objects and writing classes, accessing the data in classes, private and public methods and data attributes | 10.2 –  10.4 | LAB 10  Employee Class |
| 12/5 |
| 16 | 12/6 | **Review 12/7**  **Exam 3, 12/9** | **Ch. 1-10** |  |
| 12/12 |

**Notes: All assignments are due 11:59pm of the Saturday of the week indicated**

**Subject schedule is approximate. Throughout the semester there may be**

**situations which arise that cause slight variation from the scheduled material.**