course_roadmap_is430_spring_2024.xlsx

WK	Topics	Readings	In-Class Activity	Assignments	Final Project
1	Course Startup	Syllabus	Introduce Yourself	Computing Setup	
2	Computing and Programs Writing Simple Programs Computing With Numbers	Zelle Chaps. 1, 2, 3	Your goals and expectations for programming	Zelle Chap. 1 Zelle Chap. 2 Zelle Chap. 3	
3	Sequences	Zelle Chap. 5 Severance Chap. 10	Review solutions	Zelle Chap. 5	
4	Defining Functions	Zelle Chap. 6	Review solutions	Zelle Chap. 6	
5	Decision Structures	Zelle Chap. 7	Review solutions	Zelle Chap. 7	
6	Loop Structures and Booleans	Zelle Chap. 8	Review solutions	Zelle Chap. 8	
7	Data Collections	Zelle Chap. 11	Review solutions	Zelle Chap. 11	
8	Regular Expressions	Severance Chap. 11	Review solutions	Severance Chap. 11	
9	Spring Break				
10	Simulation and Design	Zelle Chap. 9	Review solutions	Zelle Chap. 9	
11	Object-Oriented Programming	Severance Chap. 14	Review solutions	Severance Chap. 14	
12	Jupyter Notebooks Numpy	McKinney Chaps. 2, 4	Review solutions	Jupyter Notebook Numpy	
13	Pandas Plotting and Vizualization	McKinney Chaps. 5, 6, 7, 9	Review solutions	Pandas Plotting and Visualization	Work On
14	Course Wrapup		Review solutions		Work On
15	Lab Session For Final Project				Work On
16	Lab Session For Final Project				Submit
17	Final Exam Period				