

IS430 Course Roadmap
Fall 2025
Revised 2025-11-05

Week	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	Defining Functions	Zelle Chap. 5	Review solutions	Zelle Chap. 5	
4	Decision Structures	Zelle Chap. 6	Review solutions	Zelle Chap. 6	
5	Loop Structures and Booleans	Zelle Chap. 7	Review solutions	Zelle Chap. 7	
6	Strings Data Collections	Zelle Chap. 8 Zelle Chap. 9	Review solutions	Zelle Chap. 8 Zelle Chap. 9	
7	Persistent Data Regular Expressions	Zelle Chap. 10 Severance Chap. 11	Review solutions	Zelle Chap. 10 Severance Chap. 11	
8	Simulation and Design	Zelle Chap. 11	Review solutions	Zelle Chap. 11	
9	Object-Oriented Programming	Severance Chap. 14	Review solutions	Severance Chap. 14	
10	Jupyter Notebooks	McKinney Chap. 2	Review solutions	Jupyter Notebook	
11	Organizing Files	Sweigart Chap. 10 Sweigart Chap. 11	Review solutions	Sweigart Chap. 11	Work On
12	Course Wrapup Lab Session For Final Project		Review solutions		Work On
13	Lab Session For Final Project				Work On
14	Fall Break				
15	Lab Session For Final Project				Work On
16	Lab Session For Final Project				Work On Submit
17	Final Exam Period				