

Introduction to Python Programming – Spring 2026

DATE	WEEK	DAY	Lecture Topic	Weekly PROGRAM Due – Midnight	Other Notes
01/07/26	0.5	Wednesday	Intro to Python, Jupyter, and PyCharm Your first program.		Install Anaconda and get Python Running
01/12/26	1	Monday	Simple Data Types and Numeric Expressions (Numpy) Helpful math: basics, mod, roots, etc Writing Comments		
01/14/26	1	Wednesday	Lists		It's okay if this is hard a first, come get help!
01/16/26		Friday		Program 1	
01/19/26	2	Monday	No Class – Martin Luther King Jr Holiday		
01/21/26	2	Wednesday	Creating, and Slicing lists. Definite Loops and Iterative Execution		
01/23/26	2	Friday		Program 2	Seriously, it's okay if this is hard, but I really want you to come get some help!
01/26/26	3	Monday	Conditional Statements, Comparisons, and Boolean Expressions		
01/28/26	3	Wednesday	Conditional Statements Continued. Selective Execution		
01/30/26	3	Friday		Program 3	
02/02/26	4	Monday	Dictionaries		
02/04/26	4	Wednesday	Input Statements and While Loops		
02/06/26	4	Friday		Program 4	Start Preparing for Exam 1
02/09/26	5	Monday	Applied Projects – Examples.		
02/11/26	5	Wednesday	Exam 1		
02/13/26	5	Friday			
02/16/26	6	Monday	Input and Output: reading and writing text files, mapping data, and importing images		How did exam 1 go? It's not too late to get some help.
02/18/26	6	Wednesday	Importing and exploring data (Pandas)		
02/20/26	6	Friday		Program 5	
02/23/26	7	Monday	SPRING BREAK		
02/25/26	7	Wednesday	SPRING BREAK		
02/27/26	7	Friday	SPRING BREAK		

03/02/26	8	Monday	Review of Input/Output, Loops, Breaks, Dictionaries, Pandas etc.		Start thinking about your final project area of interest.
03/04/26	8	Wednesday	Functions – build your own!		
03/06/26	8	Friday		Program 6	
03/09/26	9	Monday	Storing your functions as Modules		Initial Project Proposals Due
03/11/26	9	Wednesday	More practice with functions and modules		
03/13/26	9	Friday		Program 7	
03/16/26	10	Monday	Introduction to web scraping using Beautiful Soup		Don't forget to sign up for Fall Classes: DATA 101 and DATA 201 Machine Learning CS110 – Java Programming
03/18/26	10	Wednesday	More advanced web scraping topics		
03/20/26	10	Friday		Program 8	Decide: What do you want to do for your final project. Do some research, get some data, find a tutorial.
03/23/26	11	Monday	Introduction to GeoPandas – interaction with spatial data.		Final Project Proposals Due
03/25/26	11	Wednesday	More practice with GeoPandas, Pandas, and large data sets.		
03/27/26	11	Friday		Program 9	Start preparing for Exam 2
03/30/26	12	Monday	Applied Projects – Examples		
04/01/26	12	Wednesday	Exam 2		
04/03/26	12	Friday			
04/06/26	13	Monday	Classes, Inheritance, and Standard Libraries.		Final Project Proposal Revisions (if needed) Due
04/08/26	13	Wednesday	User defined data types.		
04/10/26	13	Friday		Program 10	Start working on your final project
04/13/26	14	Monday	Work on your final projects		
04/15/26	14	Wednesday	Work on your final projects		
04/17/26	14	Friday			
04/20/26			FINAL PROJECTS DUE	Final Projects Due	