

Introduction to Python Programming – Spring 2025

DATE	WEEK	DAY	Lecture Topic	Homework Due – Midnight	Other Notes
01/08/25	1	Wednesday	Intro to Python, Jupyter, and PyCharm Your first program.		Install Anaconda and get Python Running
01/09/25	1	Thursday	LAB – make sure your computer is working!		
01/13/25	1	Monday	Simple Data Types and Numeric Expressions (Numpy) Helpful math: basics, mod, roots, etc Writing Comments		
01/15/25	1	Wednesday	LAB		It's okay if this is hard a first, come get help!
01/16/25		Thursday	Lists	Program 1 Due Jan 17	
01/20/25	2	Monday	No Class – Martin Luther King Jr Holiday		
01/22/25	2	Wednesday	Creating, and Slicing lists. Definite Loops and Iterative Execution		
01/23/25	2	Thursday	LAB	Program 2 Due Jan 24	Seriously, it's okay if this is hard, but I really want you to come get some help!
01/27/25	3	Monday	Conditional Statements, Comparisons, and Boolean Expressions		
01/29/25	3	Wednesday	Conditional Statements Continued. Selective Execution		
01/30/25	3	Thursday	LAB	Program 3 Due Jan 31	
02/03/25	4	Monday	Dictionaries		
02/05/25	4	Wednesday	Sick Day		
02/06/25	4	Thursday	Sick Day		
02/10/25	5	Monday	Input Statements and While Loops		
02/12/25	5	Wednesday	Applied Projects – Examples.		Start Preparing for Exam 1
02/13/25	5	Thursday	LAB	Program 4 Due Feb 14	
02/17/25	6	Monday	Exam 1		

02/19/25	6	Wednesday	Input and Output: reading and writing text files, mapping data, and importing images		
02/20/25	6	Thursday	LAB	Program 5 Due Feb 21	
02/24/25	7	Monday	Importing and exploring data (Pandas)		How did exam 1 go? It's not too late to get some help.
02/26/25	7	Wednesday	Review of Input/Output, Loops, Breaks, Dictionaries, Pandas etc.		
02/27/25	7	Thursday		Program 6 Due Feb 28	Start thinking about your final project area of interest.
03/03/25	8	Monday	SPRING BREAK		
03/05/25	8	Wednesday	SPRING BREAK		
03/06/25	8	Thursday	SPRING BREAK		
03/10/25	9	Monday	Functions – build your own!		
03/12/25	9	Wednesday	Storing your functions as Modules		Initial Project Proposals Due
03/13/25	9	Thursday	LAB	Program 7 Due Mar 14	
03/17/25	10	Monday	More practice with functions and modules		
03/19/25	10	Wednesday	Pause for Understanding		
03/20/25	10	Thursday	LAB	Program 8 Due Mar 21	Don't forget to sign up for Fall Classes: DATA 101 and DATA 201 CS110 – Java Programming
03/24/25	11	Monday	Introduction to web scraping using BeautifulSoup		
03/26/25	11	Wednesday	More advanced web scraping topics		Decide: What do you want to do for your final project. Do some research, get some data, find a tutorial.
03/27/25	11	Thursday	LAB	Program 9 Due Mar 28	Final Project Proposals Due
03/31/25	12	Monday	Applied Projects – Examples		
04/02/25	12	Wednesday	Exam 2		Start preparing for Exam 2 Withdraw deadline is 3/16
04/03/25	12	Thursday	Exam 2 - No Lab		Start working on your final project
04/07/25	13	Monday	Classes, Inheritance, and Standard Libraries.		
04/09/25	13	Wednesday	User defined data types.		
04/10/25	13	Thursday	LAB	Program 10 Due Apr 11	Final Project Proposal Revisions (if needed) Due

04/14/25	14	Monday	Work on your final projects		
04/16/25	14	Wednesday	Work on your final projects		
04/17/25	14	Thursday	LAB	Final Projects Due Apr 18 th	
04/18/25			FINAL PROJECTS DUE		