



Schedule

This schedule is tentative and may change.

Date	Topic	Materials
August 21	Course Introduction, Intro. to Python	<ul style="list-style-type: none">• Introduction• Introduction to Python
August 23	Control Flow, Quiz 1	<ul style="list-style-type: none">• Control Flow
August 28	Git	<ul style="list-style-type: none">• Introduction to Git
August 30	Comprehensions, Functions, File I/O	<ul style="list-style-type: none">• Comprehensions
September 6	OOP in Python, Quiz 2	<ul style="list-style-type: none">• Object-Oriented Programming in Python• Example: Data Loaders in Python
September 11	Additional Packages	<ul style="list-style-type: none">• NumPy: Basics• NumPy: Shape Manipulation• NumPy: Copies and Views
September 13	Exam 1 Review	<ul style="list-style-type: none">• Python Review Questions
September 18	Exam 1	
September 20	CANCELLED	
September 25	Introduction to Algorithms	<ul style="list-style-type: none">• Introduction to Algorithms
September 27	Complexity Analysis	<ul style="list-style-type: none">• Complexity Analysis
October 2	Introduction to Data Structures	<ul style="list-style-type: none">• Introduction to Data Structures
October 4	Stacks, Queues, and Linked Lists	<ul style="list-style-type: none">• Stacks and Queues
October 9	Hash Maps, Quiz 3	<ul style="list-style-type: none">• Hash Maps
October 11	Binary Search Trees	<ul style="list-style-type: none">• Binary Search Trees
October 16	Red-Black Trees	<ul style="list-style-type: none">• Red-Black Trees
October 18	Introduction to Graphs	<ul style="list-style-type: none">• Intro. to Graphs
October 23	Minimum Spanning Trees, Quiz 4	<ul style="list-style-type: none">• Minimum Spanning Trees
October 25	Single-Source Shortest Paths	<ul style="list-style-type: none">• Single-Source Shortest Paths
October 30	Introduction to Databases	<ul style="list-style-type: none">• Introduction to Databases
November 1	Structured Query Language	<ul style="list-style-type: none">• Structured Query Language
November 6	Exam 2 Review	
November 8	Exam 2	

Date	Topic	Materials
November 13	Advanced SQL	<ul style="list-style-type: none">• Structured Query Language
November 15	Distributed Databases	<ul style="list-style-type: none">• Distributed Databases
November 20	NOSQL, Quiz 5	<ul style="list-style-type: none">• NOSQL

NEXT[Course Materials](#)

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