

### ### SCHEDULE

Week	Date	Content
Week 0	2025-01-13	**Getting Started**
Week 1	2025-01-13	**Python Basics:** Data Types and Variables
Week 2	2025-01-20	**Python Basics:** Control & Loops, Functions
Week 3	2025-01-27	**Managing Data:** Pandas; numpy; importing data (SLO 1)
Week 4	2025-02-03	**Managing Data:** Missing Data; aggregating data
Week 5	2025-02-10	**Data Visualization:** Matplotlib; seaborn
Week 6	2025-02-17	**Basic Statistics in Python** (SLO 3)
Week 7	2025-02-24	**Analytics and AI Introduction:** validation (SLO 1, 2)
Week 8	2025-03-03	**Supervised Learning:** Regression & Trees (SLO 1, 2)
Week 9	2025-03-10	**Supervised Learning:** Classification (SLO 1, 2)
Week 10	2025-03-24	**Unsupervised Learning:** Clustering (SLO 1, 2)
Week 11	2025-03-31	**AI and Analytics Practice:** worked example(s) (SLO 1, 2)
Week 12	2025-04-07	**Reinforcement Learning Examples** (SLO 1, 2)
Week 13	2025-04-14	**Generative AI**
Wrap	2025-04-21	Review, Final Exam (see grading table for final dates)

### ### GRADING AND DATES DETAIL

Date Assigned	Date Due	Activity	Points
2025-01-13	2025-01-20	Introduction. Say hi!	10
2025-01-13	2025-01-20	Install Python	10
2025-01-20	2025-01-27	Quiz Week 2	50
2025-01-27	2025-02-03	Quiz Week 3	50
2025-02-03	2025-02-10	Quiz Week 4	50
2025-02-10	2025-02-17	Quiz Week 5	50
2025-02-17	2025-02-24	Simulation Exercise 1	40
2025-02-24	2025-03-03	Midterm Weeks 1-6	250
2025-03-03	2025-03-10	Quiz Week 8	50
2025-03-10	2025-03-17	Quiz Week 9	50
2025-03-24	2025-03-31	Quiz Week 10	50
2025-03-31	2025-04-07	Quiz Week 11	50
2025-04-07	2025-04-14	Quiz Week 12	50
2025-04-14	2025-04-21	Simulation Exercise 2	40
2025-04-21	2025-04-28	Final Practice	50
2025-04-26	2025-04-30	Final Exam Weeks 7+	250