1. **NumPy Basics** (Week 1 and 2)

Chapter 4 and Appendix A Section a2 of Python for Data Analysis by Wes McKinney 2nd Edition

**NumPy Quiz in Week 3**

Total Questions: 36, Total Time: 60 minutes

2. **Getting Started with Pandas** (Week 3)

Chapter 5 of Python for Data Analysis by Wes McKinney

3. **Data Loading, Storage, and File Formats** (Week 4)

Chapter 6 of Python for Data Analysis by Wes McKinney

4. **Data Cleaning and Preparation** (Week 5)

Chapter 7 of Python for Data Analysis by Wes McKinney

5. **Data Wrangling: Join, Combine, and Reshape** (Week 6)

Chapter 8 of Python for Data Analysis by Wes McKinney

**Pandas Quiz in Week 6**

Total Questions: 36, Total Time: 60 minutes

6. **Introduction to Deep Learning Part 1** (Weeks 7)

Chapter 1 of Deep Learning with Python by Francois Chollet

7. **Introduction to Deep Learning Part 2** (Weeks 8 and 9)

Chapter 2 of Deep Learning with Python by Francois Chollet

**Deep Learning Quiz 1 in Week 9**

Total Questions: 55, Total Time: 75 minutes

8. **Introduction to Deep Learning Part 3** (Weeks 10 and 11)

Chapter 3 of Deep Learning with Python by Francois Chollet

9. **Introduction to Deep Learning Part 4** (Weeks 12 and 13)

Chapter 4 of Deep Learning with Python by Francois Chollet

**Deep Learning Quiz 1 in Week 13**

Total Questions: 55, Total Time: 75 minutes

10. **Deep Learning Project** (Week 13)

**François Chollet TensorFlow 2.0 Tutorial:**

<https://colab.research.google.com/drive/1UCJt8EYjlzCs1H1d1X0iDGYJsHKwu-NO>

**Grading:**

Students will be graded based on Percentile

A-Grade: 78 - 99 Percentile

B-Grade: 41 - 77 Percentile

C-Grade: 23 - 40 Percentile

D-Grade: 1 - 22 Percentile

F-Grade: Anyone who doesn’t appear in two or more exams