Course Schedule

Lesson 1 (1/14-1/23): Course Information, Orientation, Coding Environment and Python Basics (Assignments are due by Sunday 1/23, 11:59pm)

- Syllabus, Schedule, and Course Information
- Lecture/Demo: Python Programming Environment and Chapter 2: Variables and Simple Data Types
- Lab Assignment
- Student Profile Glossary
- Discussion: Introductions

**Lesson 2 (1/23-1/30): Working with Lists and If Statements
(Assignments are due by Sunday 1/30, 11:59pm)**

- Lecture/Demo Chapter 3: Introduction to Lists
- Lecture/Demo Chapter 4: Working with Lists
- Lecture/Demo Chapter 5: If Statements
- Lab Assignment

**Lesson 3 (1/30-2/6): Dictionaries, User Input, While Loops and Functions
(Assignments are due by Sunday 2/6, 11:59pm)**

- Lecture/Demo Chapter 6: Dictionaries
- Lecture/Demo Chapter 7: User Input and While Loops
- Lecture/Demo Chapter 8: Functions
- Lab Assignment

**Lesson 4 (2/6-2/13): Classes
(Assignments and Exam are due by Sunday 2/13, 11:59pm)**

- Lecture/Demo Chapter 9: Classes
- Lab Assignment
- Discussion: Research

Lesson 5 (2/13-2/27): Files, Exceptions, and Testing your Code (Assignments and Exam are due by Sunday 2/27, 11:59pm)

- Lecture/Demo Chapter 10: Files and Exceptions
- Lecture/Demo Chapter 11: Testing Your Code
- Lab Assignment
- Exam (Chapters 1 through 11)

Lesson 6 (2/27-3/13):   Project 1 – Alien Invasion Game & Term Project Milestone #1 (Lab Assignment due Sunday 3/6, Milestone 1, Showcase & Discussion posting due 3/13, Peer Review due 3/20)

- Lecture/Demo Chapter 12: Ship that Fires Bullets
- Lecture/Demo Chapter 13: Aliens
- Lecture/Demo Chapter 14: Scoring
- Lab Assignment
- Game Project
- Game Project showcase
- Discussion Forum: Share your project with the class.
- Discussion Forum: Peer Review

Lesson 7 (3/13-3/27): Project 2: Data Visualization & Term Project Milestone #2 (Lab Assignment due Tuesday, 3/20, Milestone 2, Showcase & all discussion postings due 3/27, Peer Review due 4/3)

- Lecture/Demo Chapter 15: Generating Data
- Lecture/Demo Chapter 16: Downloading Data
- Lecture/Demo Chapter 17: Working with APIs
- Lab Assignment
- Data Project
- Project showcase
- Discussion Forum: Share your project with the class.
- Discussion Forum: Peer Review

SPRING BREAK 3/28-4/3

Lesson 8 (4/3-4/24): Project 3: Web Applications and Term Project Milestone #3 (Lab Assignment due Sunday, 4/10, Milestone 3, Showcase & all discussion postings due 4/24, Peer Review due by Sunday 5/1)

- Lecture/Demo Chapter 18: Getting Started with Django
- Lecture/Demo Chapter 19: User Accounts
- Lecture/Demo Chapter 20: Styling and Deploying an App
- Lab Assignment
- Web project
- Project showcase
- Discussion Forum: Share your project with the class.
- Discussion Forum: Peer Review

Lesson 9 (4/24-5/7): Exam Prep and IT Specialist Python Exam (final exam) (Please check the testing schedule posted in Moodle for final exam dates and times)

- All PD and Networking summaries are due.
- Your final exam is the IT Specialist 303 Python exam. The exam must be taken in the professional testing center on the AeroPark campus (the testing center is on the second floor of the Parsons-Stulen building).

Note: Changes may be made by your instructor to the schedule, as needed.