Syllabus

**Week 1**

Getting Started

Welcome

Installing Python

Installing Python on Windows 8

Using Python on a Macintosh

Using Python on a Raspberry Pi

Installing Python on Windows Vista

: Peer Review: Installing and Running Python Screen Shots

**Week 2**

Regular Expressions (Chapter 11)

Lectures

Assignments

Bonus Material

Quiz: Quiz: Regular Expressions

: Extracting Data With Regular Expressions

**Week 3**

Networks and Sockets (Chapter 12)

Lectures

Assignments

Bonus Material

Quiz: Networks and Sockets

: Understanding the Request / Response Cycle

**Week 4**

Programs that Surf the Web (Chapter 12)

Lectures

Assignments

Bonus Material

Quiz: Reading Web Data From Python

: Scraping HTML Data with BeautifulSoup

: Assignment: Following Links in HTML Using BeautifulSoup

**Week 5**

Web Services and XML (Chapter 13)

Lectures

Assignments

Bonus Material

Quiz: eXtensible Markup Language

: Extracting Data from XML

**Week 6**

JSON and the REST Architecture (Chapter 13)

Lectures

Assignments

Bonus Material

Quiz: REST, JSON, and APIs

: Extracting Data from JSON

: Using the GeoJSON API