Course Syllabus Part II
CIS 245: Introduction to Programming

Course Resources

Course Text:
Python Crash Course: A Hands-On, Project-Based Introduction to Programming; Eric Matthes; 2nd Edition; No Starch Press

Required Resources:
https://www.python.org/doc/
Personal Computer

Supplemental (not required) Resources:
Introduction to Computer Science Using Python: A Computational Problem-Solving Focus; Charles Dierbach; 1st Edition; Wiley; December 2013

https://www.learnpython.org/

Course Schedule

Week	Topic	Reading
1	Introduction to programming concepts	Chapter 1 in Python Crash Course: A Hands-on, Project Based Introduction to Programming.
2	Introduction to Python	Chapter 2 in Python Crash Course: A Hands-on, Project Based Introduction to Programming
3	Python Comments, User Input, String & Lists	Chapter 3 and 4 in Python Crash Course: A Hands-on, Project Based Introduction to Programming
4	If Statements, Indention requirements, Try-Catch Block, and Cyclomatic Complexity	Chapter 5 in Python Crash Course: A Hands-on, Project Based Introduction to Programming
5	Loops	Chapter 7 in Python Crash Course: A Hands-on, Project Based Introduction to Programming

6	Functions	Chapter 8 in Python Crash Course: A Hands-on, Project Based Introduction to Programming
7	Tuples, Dictionaries, and JSON	Chapter 6 in Python Crash Course: A Hands-on, Project Based Introduction to Programming
8	Classes	Chapter 9 in Python Crash Course: A Hands-on, Project Based Introduction to Programming
9	Source Code Management, Testing, Software Security, Peer Reviews	Chapter 11 in Python Crash Course: A Hands-on, Project Based Introduction to Programming
10	Working with Files	Chapter 10 in Python Crash Course: A Hands-on, Project Based Introduction to Programming
11	Introduction to Web Services	Chapter 17 in Python Crash Course: A Hands-on, Project Based Introduction to Programming
12	Recap and Submit Final Project	

Grade Breakdown/Criteria
Grades will be calculated based upon three core deliverables; individual project, programming assignments, and discussion board assignments.

Grade Component:	Points	Percentage/Weight
Syllabus Confirmation	5	0%
Course Introduction	5	0%
Project	600	25%
Programming Assignments	1200	50%
Discussion Board	600	25%
Total	2410	100%

Late Work
Late work is not accepted unless arrangements are made with the instructor for special circumstances.

Participation

Students are expected to login often and contribute to the class on a regular basis, including posting to the discussion board, submitting assignments, and participating in group activities as required. If you have specific participation requirements related to your educational funding or student status, you are expected to monitor your own participation to ensure you are in compliance with those requirements.

Expectations for Students

- Students should expect to spend approximately 12-15 hours per week to complete the activities and assignments in this course.
- Students will log in as often as needed to complete their assignments and progress through the course.
- Students will treat their classmates and the instructor with respect and courtesy.
- Students are responsible for keeping current with the reading assignments and coming to class prepared to discuss the work assigned.
- Students are responsible for knowing what assignments are due and when.
- Students will submit only their own work and will not commit plagiarism or other acts of academic dishonesty.
- Students will contact the instructor as soon as personal problems arise that may affect the student's ability to complete assignments on time.

Expectations for Faculty

- The instructor will treat all students with respect and courtesy.
- The instructor will make grading criteria clear and follow the criteria scrupulously in evaluating student work.
- The instructor will provide feedback about student work within 6 days of due dates (or 24 hours prior to the next due date)—feedback that helps the student learn and improve.
- The instructor will respond to all student messages within 48 hours.