Course Syllabus Part II
DSC 510 Introduction to Programming

Course Resources

Course Text:
Python For Everybody, Exploring Data Using Python 3; Charles R. Severance
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Automate The Boring Stuff With Python, 2nd Edition, by Al Sweigart

Required Resources:

In this course, you will need to be able to:
- Access the Internet
- Access Cyberactive
- Access to Github
- Collaborate Online via Video and Voice
- Collaborate while writing a single document
- Submit a Word Document
- Python programming environment using PyCharm

Supplemental (not required) Resources:
- Learnpython.org – https://learnpython.org
- Python documentation - https://docs.python.org/3.7/
- Hitchhiker's Guide to Python - https://docs.python-guide.org/

Course Schedule

Week	Topic
1	Introduction to Programming, IDEs, GIT
2	Variables and Math Operations
3	Conditional Execution
4	Functions
5	Loops
6	Strings and Lists; Midterm Reflection
7	Dictionaries, Tuples, and JSON Data
8	File Operations, Error Handling
9	Introduction to Web Services
10	Object Oriented Programming (OOP), Markdown; Submit Final Project

Effective Date of Syllabus: May 1, 2021

Course Activities

Discussions
Every week you will be required to make 10 posts via an online platform. The goal is to simulate real world discussion and participation – there will not be formal posts required or required topics to discuss. There may be optional topics provided to start discussion, however, sharing information, troubleshooting, asking questions/feedback, etc. will be the primary focus for discussion/participation. Discussion/Participation will be graded as follows:

0	0%
5	50%
10	100%

Project
This course has one major programming assignment. In this project the students create a fully functional Python program that applies knowledge and skills from previous lessons. This project is worth 300 points.

Assignments
Except in the case when there is a project, students have an assignment for each week. The assignments are worth 60 points each week.

Grade Breakdown/Criteria

Component	Percentage	Point Value	Number of Times	Total
Discussion/Participation	25%	25 Points	10 Times per Week for 12 Weeks	300
Assignments	50%	60 points	One per Week for 10 Weeks	600
Project	25%	300 Points	Midterm & Final	300

Late Work

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

Participation
Students are required to login often and contribute to the class on a regular basis, including posting in the online platform, 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 10-15 hours per week to complete the activities and assignments in this course [as indicated in the credit hour verification].
- 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 phone and email messages within 48 hours.