



## Course Syllabus Part II

### DSC 510 – Introduction to Programming

3 Credit Hours

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#### Course Resources

##### Course Text:

*Learning Python, 5<sup>th</sup> Edition.*

Mark Lutz.

O'Reilly Media

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##### 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, Anaconda, and Jupyter Notebook
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#### Course Schedule

Week	Topic
1	Programming Fundamentals
2	Simple Types
3	Strings and Collection Types
4	Statements and Syntax
5	Functions
6	Modules and the Python Standard Library
7	Midterm Project
8	Professional Programming
9	Object Oriented Programming
10	Exceptions and Testing
11	Final Project
12	Algorithms

## Course Activities

In this section of the syllabus, I will describe what we will be doing in each of the activities for each week. Specifically, I will be describing your deliverables – those items you need to submit at or before the deadline.

### Projects

This course has two major programming assignments. In each of these projects, the students create a fully functional Python program that applies knowledge and skills from previous lessons. These projects are worth 200 points each and account for 40% of the student's total grade.

### Quizzes

There is a quiz at the end of most weeks which covers the material from that week. Each quiz consists of 10 questions with each question being worth 2 points. The quizzes are administered online and consist of multiple choice, true/false, or fill in the blank answers.

### Assignments

Except in the case when there is a project, students have an assignment for each week. The assignments are worth 40 points each and account for 40% of the student's total grade.

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## Grade and Point Breakdown

Component:	Percentage	Point Value	Number of Times	Total
Discussions	11%	6-10 Points	Twice per week for 6 weeks, plus intro	126
Quizzes	18%	20 Points	Once per week for 10 weeks.	200
Assignments	35%	12-40 Points	Once per week for 10 weeks.	394
Projects	36%	200 Points	Midterm and Final	400
Total Points				1120

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## Late Work

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

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## 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 10-12 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.
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### **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.
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