Course Syllabus – COP 1047C - 29 (15154) Introduction to Python Programming

Instructor: **Duncan L. Rhoden** **Office Hours:** **Tues. 4:00PM-5:30PM** **Contact:** **954 6994187** **Location:** **RM 3208** **drhoden@mdc.edu** **Date and Time:** **Th 5:20 PM -7:30 PM**

Course Description

This is a course in Python programming. The student will learn the syntax and rules of the Python language, including how to code, compile, and execute programs. Students study program design, structured modular programming, arrays, report generation, and file processing

Reading Materials

Recommended Text: Starting out with Python

ISBN 9780137871209

Grading

- Assignments 15%
- Case Studies 30%
- Term Project
  - Part I 20%
  - Part II 20%
- Class Participation 15%

Grade Assignment Scale

A	93.0% +	C+	78.0%
A-	90.0%	C	73.0%
B+	88.0%	C-	70.0%
B	83.0%	D	60.0%
B-	80.0%	F	less than 60%

Class attendance:

Classroom attendance and class participation are key requirements.

Homework: All assignments are due on the due date at the start of class. No credit can be earned when an item has been graded and returned to other students, when the solution has already been discussed in class, when an online discussion forum's time window has ended, or

when an item has been turned in after the last class session. Other late submissions will be penalized unless prior arrangements have been made with the instructor. In general, you will lose 25% of the possible credit if less than 1 week late, 50% of the credit if 1-2 weeks late, and 100% of the credit if more than 2 weeks late.

Week	Topics / Notes	Readings	Due
1	Course Overview Introduction to Python	Guidebook Ch. 1	Assignment 1
2	List, Ranges & Tuples in Python		Assignment 2
3	Python Dictionaries and Sets		Term Project Proposal Assignment 3
4	Input and Output in Python		Case Study 1 Assignment 4
5	**Term Project Deliverable 1 Presentations**		Term Project Deliverable 1 Assignment 5
6	Python built in function		Assignment 6

7	Python Object Oriented		Assignment 7
8	Python Exceptions Handling Python Regular Expressions		Case Study 2 Assignment 8
9	Python Multithreaded Programming		Assignment 9
10	Using Databases in Python		Assignment 10
11	**Term Project** **Deliverable 2 Presentations**		Term Project Deliverable 2

12	Python For Data Analysis		Assignment 11
13	Create Database Connection Python SQL Database Access		Assignment 12
14	Introduction to NumPy		Term Project Proposal Assignment 13
15	Introduction to Pandas		Case Study 1 Assignment 14
16	Python For Data Visualization		Term Project Deliverable 1 Assignment 15
17	Introduction to Matplotlib		Final Project Delivery

Note: Additional reading assignments may be given. **Policies**

Changes to Syllabus

This syllabus is subject to change as necessary during the quarter. If a change occurs, it will be thoroughly addressed during class and sent via email.

Online Course Evaluations

Instructor and course evaluations provide valuable feedback that can improve teaching and learning. The greater the level of participation, the more useful the results. As students, you are in the unique position to view the instructor over time. Your comments about what works and what doesn't can help faculty build on the elements of the course that are strong and improve those that are weak. Isolated comments from students and instructors' peers may also be helpful, but evaluation results based on high response rates may be statistically reliable (believable). As you experience this course and material, think about how your learning is impacted. Your honest opinions about your experience in and commitment to the course and your learning may help improve some components of the course for the next group of students. Positive comments also show the department chairs and college deans the commitment of instructors to the university and teaching evaluation results are one component used in annual performance reviews (including salary raises and promotion/tenure). The evaluation of the instructor and course provides you and opportunity to make your voice heard on an important issue – the quality of teaching at DePaul. Don't miss this opportunity to provide feedback.

Academic Integrity and Plagiarism

This course will be subject to the university's academic integrity policy. More information can be found at http://mdc.edu/.

The school policy on plagiarism can be summarized as follows: Students in the course should be aware of the strong sanctions that can be imposed against someone guilty of plagiarism. If proven, a charge of plagiarism could result in an automatic F in the course and possible expulsion. The strongest of sanctions will be imposed on anyone who submits as his/her own work any assignment which has been prepared by someone else. If you have any questions or doubts about what plagiarism entails or how to properly acknowledge source materials be sure to consult the instructor.

Withdrawal

Withdrawals processed via this system are effective the day on which they are made. Simply ceasing to attend, or notifying the instructor, or nonpayment of tuition, does not constitute an official withdrawal from class and will result in academic and financial penalty.

Retroactive Withdrawal

This policy exists to assist students for whom extenuating circumstances prevented them from meeting the withdrawal deadline. During their college career students may be allowed one medical/personal administrative withdrawal and one college office administrative withdrawal, each for one or more courses in a single term. Repeated requests will not be considered. Submitting an appeal for retroactive withdrawal does not guarantee approval.

Incomplete Grades

A grade of "incomplete" is a special, temporary grade that may be assigned by an instructor when unforeseeable circumstances prevent a student from completing course requirements by the end of the term and when otherwise the student had a record of satisfactory progress in the course. CDM policy requires the student to initiate the request for incomplete grade before the end of the term in which the course is taken. Prior to submitting the incomplete request, the student must discuss the circumstances with the instructor

All incomplete requests must be approved by the instructor of the course and a CDM Associate Dean. Only exceptions cases will receive such approval.

- If approved, students are required to complete all remaining course requirement independently in consultation with the instructor by the deadline indicated on the incomplete request form.
- By default, an incomplete grade will automatically change to a grade of F after two quarters have elapsed (excluding summer) unless another grade is recorded by the instructor.
- An incomplete grade does NOT grant the student permission to attend the same course in a future quarter.

Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact the instructor privately to discuss their specific needs. All discussions will remain confidential.