CIS 1051

Introduction to Problem Solving and Programming in Python

Instructor:

Karl Morris
Email: karl.morris [-] temple.edu
Office hours: T 10:45 – 12:45 PM

Textbook:

Think Python

(Available electronically from Temple Library, or http://greenteapress.com/wp/think-python/)

Course Meeting Times:

M T R 8:30 – 10:30 AM

Teaching Assistant:

Karl Morris

karl.morris [-] temple.edu

Course Description

CIS 1051 introduces students to computers, computer programming, and problem solving using programs written in the Python language. Topics covered include the general characteristics of computers; techniques of problem solving and algorithm specifications; and the implementation, debugging, and testing of computer programs. The goal is to learn to solve small programming problems and to write their solution as high quality small programs in Python.

Grading

Course grade will be determined by

- Assignments (4-5): 20%
- Quizzes (2): 25%
- Midterm: 25%
- Final Exam: 30%

Final Grades

Final grades will be assigned as follows.

Final Grade	Percentage
A	92 – 100
A-	90 – 91
B+	88 – 89
B	82 – 87
B-	80 – 81
C+	78 – 79
C	72 – 77
C-	70 – 71
D	62 – 69
D-	60 – 61
F	0 – 59

Schedule

Week	Lecture	Labs
1	- Introduction to computers and computer programming - Running your first Python program - Input and Output - Values and operators - Expressions and Statements	
2	- Errors and Testing - Logical operators - Functions	
3	- Flow of Execution - If Statements - Midterm exam	
4	- Dictionaries, Lists and Strings - Loops	
5	- Writing functions - Sorting	
6	- File I/O - Final exam	

Student Responsibilities

Students are responsible for reading all assigned text materials, handouts, and referenced sources. Students are responsible for participating in classroom discussions and discussions carried out electronically though Blackboard or other class facilities.

The CIS laboratory computer systems are available for use in homework and laboratory exercises. Access to the computer systems in CIS labs is through Temple University AccessNet username and password. SERC laboratories have dual boot Windows and Linux systems. You are responsible for performing and completing all of the laboratory exercises. This includes becoming familiar with, and being able to use, all of the tools and software that are to be used in these exercises.

Students are responsible for taking all quizzes and exams in the course. All work turned in for grading or review by the instructors of the course must be the students own work. The objectives of the course can only be met by your doing all of the work and presenting only your work for grading. Presenting work that is not your own will result in disciplinary action.

Student attendance to each class and each laboratory is Mandatory.

Students who miss the final exam and do not make alternative arrangements with me before I turn in grades, will receive a grade of F.

Collaboration and Cheating Policy

You are welcome to discuss assignments and laboratory projects with other students, provided that all work turned in must be your own. If you do discuss your work on assignments with other students, please list your collaborators at the top of your assignment, underneath your name. This does not excuse you from submitting your own work! For the in-lab parts of laboratory projects completed in teams, both team members should contribute equally and will be graded individually. The write-ups and out-of-class portions of labs must be completed independently.

In summary, when you are turning in an assignment with your name on it; what you turn in must be your work, and yours alone. Cheating will not be tolerated.