

THE UNIVERSITY OF TEXAS AT EL PASO
Accounting and Information Systems Department

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CIS 4320 Object Oriented Program Environment, Fall 2018

Class Hours: 9:00 – 10:20 am, TR, BUSN 320

Office Hours: Before the Tuesday class, by appointment through Blackboard e-mail

Prerequisite: CIS 3355

Textbook: Online Books:

- Think Python: How to think like a Computer Scientist
- A Byte of Python, Swaroop C. H
- Non-Programmers Tutorial for Python

Additional Reading Provided by Professor via Blackboard

Course Software: Students must install Python 2.7 onto their VM environment, including

- Python Command Line
- IDLE (Python GUI)

Course Description: Object-oriented concepts will be used to solve real world business problems. Strong emphasis will be placed on hands-on programming. Concepts such as pointers, strings, files, and structures will be briefly reviewed. Structured programming design and technique will be examined and used to compare with Object Oriented programming design and technique. The course will focus on the concept of classes, function and operator overloading, inheritance, and virtual functions. Data structures will be discussed.

Course Objectives and Goals: The objective of this course is to leverage hands-on experience as opposed to theory and lecture to familiarize the student with basic object oriented programming principles. Initially we use Python to familiarize with elementary data types (int, float, strings, lists, dictionaries and files), control flow (for, if, while), functions, objects, methods, fields and mutability. Finally, we will cover advanced topics in object oriented concepts and students will work on a project.

Grade Components:

	Points
Practical Exams (3)	300
Project	100
Final Exam	100
Total Points	500

Final Grade	Range
A	90% and up
B	80-89%
C	70-79%
F	Below 69%

Exams: All students are required to take the exams at the scheduled time which is to be announced in class. Makeup will only be given to students who have to miss due to “excused absences due to university-recognized activities” or under extreme circumstances. These students are required to send written notice to the instructor about the university-recognized activities ahead of time. See student handbook for a description of these activities. There are 4 exams given. Each exam is 20% of your overall grade.

Students with disabilities: If you feel you may have a disability that requires accommodations, contact the Disabled Student Services Office at 747-5148, go to the Union Bldg. East, room 106, or e-mail dss@utep.edu.

Academic integrity: The University of Texas at El Paso prides itself on its standards of academic excellence. In all matters of intellectual pursuit, UTEP faculty and students must strive to achieve excellence based on the quality of work produced by the individual. In the classroom and in all other academic activities, students are expected to uphold the highest standards of academic integrity. Any form of scholastic dishonesty is an affront to the pursuit of knowledge and jeopardizes the quality of the degree awarded to all graduates of UTEP. It is imperative, therefore, that the members of this academic community understand the regulations pertaining to academic integrity and that all faculty insist on adherence to these standards.

Any student who commits an act of scholastic dishonesty is subject to discipline. Scholastic dishonesty includes, but is not limited to, cheating, plagiarism, collusion, the submission for credit of any work or materials that are attributable in whole or in part to another person, taking an examination for another person, any act designed to give unfair advantage to a student or the attempt to commit such acts. Proven violations of the detailed regulations, as printed in the Handbook of Operating Procedures (HOP), and available in the Office of the Dean of Students, and the homepage of The Dean of Students (DOS) at www.utep.edu, may result in sanctions ranging from disciplinary probation, to failing grade on the work in question, to a failing grade in the course, to suspension or dismissal, among others.