

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

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**CIS 3301 Introduction to Programming, Summer 2019**

**Class Hours:** 11:40am – 1:50 pm, MTWRF, BUSN 320

**Office Hours:** Before class, by appointment through e-mail

**Prerequisite:**

**Textbook:** Online Books:

- Non-programmer’s Tutorial for Python 2.6
- Think Python: How to think like a Computer Scientist

Optional Reading:

- Lean Python the Hard Way, 3<sup>rd</sup> Edition
- A Byte of Python, Swaroop C. H.

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

- Python Command Line
- IDLE (Python GUI)

**Course Description:** An introduction to data processing and programming including the representation, storage, and manipulation of structured data types and file processing techniques. A structured programming language will be used to illustrate the application of these concepts.

**Course Objectives and Goals:** The objective of this course is to familiarize the student with basic 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, and file structures.

**Grade Components:**

	Points
3 Practical Exams	300
Final Exam	100
Final Exam	100
Total Points	400

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

**NOTE: Any student with a ‘B’ or better by the 3<sup>rd</sup> exam DO NOT have to take the final.**

**Exams:** All students are required to take the exams at the scheduled time which is to be announced in class and outlined in the syllabus. Makeup exams will only be given to students who have to miss due to “excused absences or university-recognized activities” or under extreme circumstance. These students are required to send written notice to the instructor ahead of the scheduled exam. See student handbook for a description of these activities.

**Practical Exam:** All exams are Practical Exams. Students will be required to write program code to address exam questions. Professor will assign exam scores based on the following:

- Code execution without errors
- Program accomplishing objectives of assignment

**Tentative Course Outline**  
(Professor reserves the right to change the course syllabus.<sup>1</sup>)

Week	Topic
07/09	- Course Review and loading Python IDE
07/10 07/11	- Introduction to programming - Variables, Simple Calculations - LISTS - PRINT statement
<b>07/15</b>	<b>-EXAM #1</b>
07/16 07/18	- FOR loop - IF statement - Embedded LISTS - Reading CSV files
<b>07/19</b>	<b>- EXAM #2</b>
07/22 07/25	- Functions - Writing CSV files
<b>07/26</b>	<b>- EXAM #3</b>
<b>AUGUST 05-09</b>	<b>Comprehensive Final Exam Week</b>

**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](mailto: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](http://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.

<sup>1</sup> Some classes may be taught remotely or by Dr. Maria Barulina.