

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

**Michael L. Gonzales, PhD**

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**CIS 3301 Introduction to Programming, Fall 2021**

**IMPORTANT: This is a programming class. Students will be actively programming from the first week of class to the last. Students are expected to dedicate hours of study time outside of class.**

**Class Hours:** 10:30 – 11:50 pm, TTR, BUSN 3320

**Office Hours:** TTR, 12noon to 2:30pm, by appointment only

**Textbook:** Online Books:

- A Byte of Python, Swaroop C.H., <https://python.swaroopch.com/>
- Beginners Guide for Non-Programmers, Wiki Python, <https://wiki.python.org/moin/BeginnersGuide/NonProgrammers>

Additional reading material will be announced during the semester as determined by Dr. Gonzales.

**Course Software:**

- Python 3.x
- IDLE (Python GUI)

**Course Description:** Programming concepts will be used to solve real world business problems. Strong emphasis will be placed on hands-on structured programming. Concepts such as pointers, strings, files, and structures will be briefly reviewed. The course will focus on structured programming techniques with a brief comparison to object-oriented programming style. Data processing, wrangling, and structures will be examined.

**Course Instruction:** This is a **hands-on class** where students will be programming from day one. While reading material is recommended, it is the responsibility of the student to research topics covered in class. Some course content may be conducted remotely and the professor reserves the right to change the course content and schedule.

**Grade Components:**

	Weight
4 Practical Exams (100 points each)	80%
2 Projects (50 points each)	20%
Total (500 points)	100%

Final Grade	Range
A	90% and up
B	80-89%
C	70-79%
D	60-69%
F	below 60%

**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 circumstance. 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.

**Final Exam:** Any student with a ‘B’ or better after the 3<sup>rd</sup> exam will not have to take the final.

**Practical Exams and Project Grading:** Professor will assign exam and project scores based on the following:

- Code execution without errors
- Program accomplishing objectives of assignment

**CIS3301 Course Outline**  
(Professor reserves the right to change the course syllabus.)

Week	Topic	Projects
08/24 08/26	- Course Review and loading Python IDE - Introduction to programming	
08/31 09/02	- Strings, Variables, Lists, and Indexes	
09/07 09/09	- Strings, Variables, Lists, and Indexes	
09/14 09/16	- Practical Exam #1 Review - Practical Exam #1	
09/21 09/23	- If statements and For Loops	Assign Project #1 9/23
09/28 09/30	- If statements and For Loops	Project #1 Due 9/30
10/05 10/07	- Practical Exam #2 Review - Practical Exam #2	
10/12 10/14	- Functions	
10/19 10/21	- Input / Output, Files	Assign Project #2 10/21
10/26 10/28	- Input / Output, Files	Project #2 Due 10/28
10/29	<b>LAST DAY TO DROP</b>	
11/02 11/04	- Practical Exam #3 Review - Practical Exam #3	
11/09 11/11	- Classes / Objects / Methods	
11/16 11/18	- Classes / Objects / Methods - Inheritance	
11/23 11/25	- Structured vs Object-oriented Programming - <b>Thanksgiving Holiday</b>	
11/30 12/02	- Course and Final Exam Review	
<b>DEC 12-06</b>	<b>Comprehensive Final Exam</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.