

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

**Michael L. Gonzales, PhD**

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**CIS 4370 Data Communication & Network Management, Fall 2022**

**IMPORTANT: Students are expected to dedicate hours of study time outside of class.**

**Class Hours:** 4:30 – 5:50 pm, MW, BUSN 318

**Office Hours:** TTR, 3:00 to 5:00pm, by appointment only

**Textbook:** Reading material will be announced during the semester as determined by Dr. Gonzales.

**Course Software:**

- Azure Cloud Service Platform (**To be Determined** - assuming all students have access)

**Course Description:** This course introduces theory, concepts and applications of data communications technologies in a today's business environment. It includes an introduction to personal, local and wide area network architectures as well as wired, wireless, and mobile technology standards employed in those architectures. The course also introduces the business issues related to network and data security and covers methodologies and technologies commonly employed to protect corporate data assets. Finally, the course explores emerging standards and other related management considerations such as cloud computing

**Course Instruction:** 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
Exams (3)	300
Final Exam	100
Total (400 points)	400

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.

**CIS4330 Course Outline**  
**(Professor reserves the right to change the course syllabus.)**

Dates	Topic
08/22	- Course review
08/24	- Modern Cloud Architectures
08/29	- The Architecture Process
08/31	- Using Azure Icon
09/05	- UTEP CLOSED – Labor Day
09/07	- Azure Cloud Setup
09/12	- Modern Cloud Architectures
09/14	- Modern Cloud Architectures
09/19	- Modern Cloud Architectures
09/21	- Modern Cloud Architectures
09/26	- Exam #1 Review
09/28	- Exam #1
10/03	- Security Overview and Modern Issues
10/05	- Security Overview and Modern Issues
10/10	- Security Overview and Modern Issues
10/12	- Security Overview and Modern Issues
10/17	- Virtual Networks
10/19	- Virtual Networks
10/24	- Case Study
10/26	- Case Study
10/28	LAST DAY TO DROP
10/31	- Exam #2 Review
11/02	- Exam #2
11/07	- Kubernetes and Containers
11/09	- Kubernetes and Containers
11/14	- Kubernetes and Containers
11/16	- Kubernetes and Containers
11/21	- Exam #3 Review
11/23	- Exam #3
11/28	- Course and Final Exam Review
11/30	- Course and Final Exam Review
<b>DEC</b>	<b>Comprehensive Final Exam</b>
<b>12-05</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.