

UNIVERSITY OF TEXAS AT EL PASO  
COLLEGE OF SCIENCES  
DEPARTMENT OF MATHEMATICS

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Course Number: MATH 3323 CRN 24244.  
Course Title : Calculus II.  
Location: MW 12:00- 13:20 EDUCATION BLDG 303  
Credit Hrs: 3.0  
Term : Spring 2016  
Prerequisite Course: MATH 3323  
Course Fee (if applicable): None  
Instructor: Dr. Eduardo Quinonez-Rico  
Office Locations: Library 507  
Phone: 747-8752  
E-mail address: equinonez@utep.edu  
Office Hours: TTh 09:00 AM - 12:00 PM, or by appointment.  
Textbook and Materials: Introduction to Linear Algebra by Johnson and Riess.

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COURSE OBJECTIVES

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At the end of this course, students will be able to understand the concept of a vector space and linear transformation and role between these two in other areas of mathematics. The student should be able to understand several applications of these algebraic techniques, such as systems of linear equations, differential equations, interpolation techniques, among others. As an addition, a first step to the abstraction of linear algebra must be understood.

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TOPICS

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- (a) Introduction to Matrices and Systems of Linear Equations.
  - (b) Vectors in 2-Space and 3-Space
  - (c) Vectors in  $\mathbb{R}^n$ .
  - (d) The Eigenvalue Problem.
  - (e) Vector Spaces and Linear Transformations.
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GRADING POLICY

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The course grade will be distributed as follows:

Homework	15%
Three Partial Exams	20%
Final Exam	25%
Total	100%

- (1) **HOMEWORK:** Homework is essential for the successful completion of the course. At the end of each session, there will be assignments of problems and exercises with the purpose of reinforcing the material just covered in class. These assignments must be completed and turned back by the preassigned due dates, no late assignments will be accepted after the due date.
- (2) **GRADING SYSTEM:**

(90,100)	A
(80,90)	B
(70,80)	C
(60,70)	D
(0,60)	F

(3) MISSED WORK: It is expected that you attend all classes. There will be no makeup for missed quizzes unless you are excused as an official participant in a University sponsored event and have followed the required procedure. Makeup for missed exams will only be considered if the circumstances are exceptional and unavoidable, and if they can be documented.

(4) ACCOMMODATIONS UNDER THE ADA: If you have or suspect a disability and need accommodations you should contact Disabled Student Services Office (DSSO) at 747-5148 or at [dss@utep.edu](mailto:dss@utep.edu) or come by Room 106 Union East Building.

(5) ACADEMIC DISHONESTY : Academic dishonesty is an assault upon the basic integrity and meaning of a University. Cheating, plagiarism, and collusion in dishonest activities are serious acts which erode the University's educational and research roles and cheapen the learning experience not only for the perpetrators, but also for the entire community. It is expected that UTEP students will understand and subscribe to the ideal of academic integrity and that they will be willing to bear individual responsibility for their work. Materials (written or otherwise) submitted to fulfill academic requirements must represent a student's own efforts. Any act of academic dishonesty attempted by a UTEP student is unacceptable and will not be tolerated. Violations will be referred to the Dean of Students Office for possible disciplinary action. Students may be suspended or expelled from UTEP for such actions.

#### IMPORTANT DATES TO REMEMBER

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First Day of Classes	January 20th
Last Day of Classes	May 10th.
Last day to Drop the Class	Friday April 1st 2016
Final Exam	May 12th.

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