

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

Course Number: MATH 33112 CRN 25744
Course Title : Calculus II
Location: 10:30 - 11:20 MWF Quinn Hall 103
Credit Hrs: 3.0
Term : Spring 2014
Prerequisite Course: MATH 1312
Course Fee (if applicable): None
Instructor: Eduardo Quinonez-Rico
Office Locations: Burges Hall 311
Contact Information:
Phone: 747-8752
E-mail address: equinonez@utep.edu
Office Hours: MWF 09:30 - 12:30 PM or by appointment.
Textbook and Materials: Required: P. Blanchard, R. Devanet, G. R. Hall.
Differential Equations., Brooks/Cole, 3rd edition.

COURSE OBJECTIVES

At the end of this course, students will be able to:

- (a) Learn to solve analytically a few important types of differential equations such as separable first order equations, and linear, constant coefficient, higher-order differential equations.
 - (b) Learn to solve more general differential equations and systems equations using numerical methods, such as Euler's method.
 - (c) Learn to model physical phenomena using differential equations
 - (d) Learn to qualitatively analyze autonomous differential equation systems by finding and classifying equilibrium points.
 - (e) Learn to solve linear, constant coefficient differential equations using Laplace transforms.
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TOPICS

CONTENT Matrix Algebra is a first course in Linear Algebra that introduces various concepts such as the systems of linear equations, vector space ideas and the matrix representations of linear transformations. Objective of the course is to have students gain the knowledge of applications of matrices in connection with vector spaces and linear transformations. Since matrices are strongly connected to the basic linear algebra concepts such as vector spaces and linear transformations, covering properties of these basic concepts is necessary.

GRADING POLICY

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) **ACCOMODATIONS 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 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 DATE TO REMEMBER

First Day of Classes	August 26th
Last Day of Classes	Deceember 3rd.
Last day to Drop the Class	November 1st.
Final Exam	Wednesday Dec 11th 04:00 PM - 06:45 PM.
