

**MATH 1312 Calculus II (CRN 16843)**  
**Fall 2006 TR 12:00 – 1:20 p.m.**  
**LART 222**

**Objectives:** The objectives of this second course in calculus are: (1) to provide students with more in-depth knowledge on techniques of integration and their applications; and (2) to introduce the concepts of infinite sequences and series and how they are used for approximating functions.

**Instructor:** Dr. Ming-Ying Leung  
Office: Bell Hall 225  
Phone: 747-6836  
Email: [mleung@utep.edu](mailto:mleung@utep.edu)  
<http://www.math.utep.edu/Faculty/mleung/index.html>

**Office Hours:** TR 1:30 – 3:00 p.m. or by appointment

**Pre-requisite:** MATH 1411 (Calculus I) or its equivalent.

**Text Book:** Calculus by Hughes-Hallett, Gleason, McCallum, et al., 4<sup>th</sup> Edition.

**Topics:**

Chapter 7      Integration  
Chapter 8      Using the Definite Integrals  
Chapter 9      Sequences and Series  
Chapter 10     Approximating Functions Using Series

<b>Grading:</b>	Homework	20%	(Due in class almost every Thursday)
	Class exercises	10%	(work given in class)
	Three in-class midterms	45%	(Thursdays, 9/21, 10/19, 11/16)
	Final exam (comprehensive)	25%	(Tuesday, 12/5 1:00 – 3:45 p.m.)

**NO MAKEUP EXAM** will be given except for emergency or medical reasons. In such cases, the student must inform the instructor with 24 hrs from the scheduled time of the test and then submit a written request accompanied by official documents to arrange for a makeup test. **Overdue assignments** will only be accepted for a good reason. However, the instructor reserves the right to discount part or all of the credit for any late homework. You are expected to attend all classes.

**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.

**LAST DAY TO DROP** an individual course and receive a grade W October 11, 2006.