

# CALCULUS I — MATH 1910-007 — COURSE SYLLABUS

SPRING 2009

**INSTRUCTOR:** Dr. Wandi Ding

**CONTACT INFORMATION:**

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**CLASS TIMES:** MWF 10:20 - 11:15 a.m., R 11:20 - 12:15 a.m.

**TEXT BOOK:** Calculus: Early Transcendental Functions, by Larson, Hostetler and Edwards, 4th edition

**PREREQUISITE:** MATH 1730 or equivalent.

**ROOM:** KOM 221

**OFFICE HOURS:** MWF 2:00 - 3:30 p.m., R 10:40 - 11:10 a.m. or by appointment

**COURSE DESCRIPTION/CREDIT HOURS:** Four credits. An introduction to calculus with an emphasis on analysis of functions, multidisciplinary applications of calculus, and theoretical understanding of differentiation and integration. Topics include the definition of the derivative, differentiation techniques, and applications of the derivative. Calculus topics related to trigonometric, exponential, and logarithmic functions also included. Course concludes with the fundamental theorem of calculus; the definition of antidifferentiation and the definite integral; basic applications of integrations; and introductory techniques of integration. Bring a good graphing calculator (TI-83/84/86, but no symbolic calculator TI-89 is allowed).

**MATERIALS TO BE COVERED:** This course will cover the majority of Chapters 2-5.

**REQUIREMENTS:** In general, you are expected to

- Attend class lectures;
- Read and study class assignments and solve assigned problems;
- Ask questions in class when you are unsure of any concept or unclear on any assigned problem;
- Go to math lab or come to my office for additional assistance as necessary;
- Take all 8 quizzes, 3 exams and the final exam on the day they are scheduled (**no make-up quizzes will be given**).

- Come to class prepared (this includes completing homework in a timely manner, bringing your textbook and your calculator).

## **GRADING POLICY:**

### **Grading Scale:**

- 90 - 100%: A
- 80 - 89%: B
- 70 - 79%: C
- 60 - 69%: D
- < 60%: F

### **Your grade is determined by the following:**

Exam 1: 20%

Exam 2: 20%

Exam 3: 20%

Quizzes/Homework/Reading Assignment: 15%

Final Exam: 25%

Extra Credits (WebAssign)

## **IMPORTANT DATES:**

Jan. 19: Martin Luther King Day

Mar. 9 - 14: Spring Break

Apr. 29: Last Day of Class

**FINAL EXAM:** Friday, May 6, 9:30 -11:30 a.m.

**DROP/WITHDRAWAL POLICY:** Please note that the Drop Policy and Withdrawal Procedures as they are stated in the Fall 2008 Registration Guide and the MTSU Undergraduate Catalog. The last day to drop this course without a grade is September 7. The last day to drop this course with a “W” is October 12. A grade of “I” will be given only in accordance with University policy.

**MATH TUTORIAL LAB (MTL):** Tutoring rooms KOM 252 is available as free service to MTSU students for Math 1710, 1720, 1730, 1810, 1910 and 1920. Days and times for tutoring specific topics are posted on the bulletin board outside room KOM 252.

**LOTTERY SCHOLARSHIPS:** To retain Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 attempted hours and a cumulative TELS GPA of 3.0 thereafter. A grade C, D, F or I in this class may negatively impact TELS eligibility. Dropping a class after 14 days may also impact eligibility. If you withdraw from this class and it results in an enrollment status of less than full time, you may lose eligibility for your lottery scholarship. For additional lottery scholarship requirements on the web at <http://scholarships.web.mtsu.edu/telsconteligibility.html>, or contact the MTSU financial aid office at 898-2830.

**DISABILITY ASSISTANCE:** If you have a disability that may require assistance or accommodation, or you have questions related to any accommodations for testing, note takers, readers, etc., speak with me as soon as possible. Students must also contact the Office of Disable Students Services (898-2783) with questions about scheduling such services.

**NOTES:**

- If you miss one of the three in class exams, you will have one week to schedule a make-up. Please understand the make-up exams will be **different**. If one week passes and no make-up exam has been rescheduled then a **zero** is recorded for that exam.
- Check **my web page** for course updates.
- Use **Firefox** to check **Eduspace**: <http://www.eduspace.com> to access online videos if you miss a class or want to reinforce the lessons you've learned.
- Use **Firefox** to practise more problems at **WebAssign**: <http://www.webassign.net>.
- To register for the course, you will need the code

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along with the **passkey** from the Eduspace **Getting Started Guide for Students** that comes with your textbook. Please follow these steps to register for the course.

- Take full use of the instructor's office hours.