

**CALCULUS II --- MATH 1920-001**  
**COURSE SYLLABUS**  
**Spring 2011**

Instructor: Dr. Wandi Ding  
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**Class Schedule:** MWF 11:30 – 12:25 and T 11:20 – 12:15 in KOM 221

**Office Hours:** MWF: 10:00-11:00 a.m., 3:00 – 4:00 p.m. or by appointment.

**Text:** Calculus: Early Transcendental Functions I, by Larson and Edwards, **5th** edition

**Prerequisite:** Math 1910.

**Purpose:** This is a course on integral calculus with an introduction to differential equations, sequences, and series. It is the second in a sequence of three courses designed to provide skills and concepts necessary for continued study in mathematics as well as in physics, computer science and engineering. We will cover materials from **Chapters 6-9**. This course is a part of the core requirements for any mathematics major.

**Objectives:** Upon successful completion of this course the students will have

- 1) An increased understanding of the definite integral and its applications.
- 2) An understanding of the antiderivative (indefinite integral) of a function and the ability to obtain antiderivatives using standard techniques.
- 3) A basic understanding of infinite series and the notion of convergence.
- 4) Experience in obtaining symbolic and numerical solutions of elementary differential equations.

**Requirements and Evaluations:**

- 1) Class attendance and participation is required.
- 2) Take good, complete notes during the lectures. Carefully read the relevant materials in the text after class and learn rules, results and theorems highlighted in the text. Ask questions in class when you are unsure about something. Go to the math tutoring lab or come to my office for any additional help as needed.

You will need access to **WebAssign**. To access this website, go to <https://www.webassign.net/> and follow the directions. You will use this website to practice problems and submit homework.

**You need my class key: mtsu 3753 3957 and an access code (need to purchase) to create your account.**

Please read “Enhanced WebAssign: the start smart guide for students” at the end of the textbook to help you do **self-enroll**. Or read the attached “**Enrolling Yourself in a Class Using a Class Key**”.

- 3) There will be 3 (**three**) in-class, closed book tests. There is no fair and satisfactory way to make up a missed test. If you must miss a test for reasons beyond your control, it is your responsibility to consult me about a make-up **before or immediately after your return to class**. There will be a comprehensive final exam.

**Grading Policy:**

Homework: 20%

Three Tests: 60% (each counts 20%)

Final Exam: 20%

90-100 A, 80-89 B, 70-79 C, 60-69 D, Below 60 F.

**Final Exam:** Friday, April 29, 10:00 a.m.– 12:00 p.m.

**Important Dates:**

January 26 – Deadline for students to drop a course without a grade

March 25 - Deadline for students to drop a course with a grade of "W"

April 27 - Last day of classes (Wednesday)

**Math Tutoring Lab:** KOM 252.

**Do you have a lottery scholarship?**

To retain Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 and 48 attempted hours and a **cumulative** TELS GPA of 3.0 thereafter. You may qualify with a 2.75 **cumulative** GPA after 72 attempted hours (and subsequent semesters), if you are enrolled full-time and maintain a **semester** GPA of at least 3.0. A grade of 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. Lottery recipients are eligible to receive the scholarship for a maximum of five years from the date of initial enrollment, or until a bachelor degree is earned. For additional Lottery rules, please refer to your Lottery Statement of Understanding form, review lottery requirements on the web at <http://scholarships.web.mtsu.edu/telsconteligibility.htm>, or contact the Financial Aid Office at 898-2830.

**Disability Statement**

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., please speak with me as soon as possible. Students may also contact the Office of Disabled Students Services (898-2783) with questions about such services.