Syllabus for M 172, Fall 2012

Professor: N'Djekornom “Dara” Laobeul
Office: Corbin 261
Office Phone: 243-5569
e-mail: ndjekornom.laobeul@mso.umt.edu

Class meetings: 10:10 -11:00 or 2:10 - 3:00 (MTWF), Math 312
Office hours: Tuesday 1:00 - 2:00; Thursday 11:00 - 12:00 Friday 4:00 - 5:00 or by appointment.

We will cover Sections 5.1 - 11.6.

Course Objectives
This course will start with a brief review of the definite integrable and antiderivatives, the basics of sequences, series and differential equations. More specifically, at the end of this course students should:

- be able to translate a practical problem into a mathematical problem that can be solved using calculus.
- understand the definition and the properties of the definite integral.
- understand sequences, series and their properties.
- understand how to use Taylor series to approximate functions.
- understand the basic of differential equations and modeling.

Assessment

There will be four components:

- Weekly written homework, online homework and Quizzes: 30%
- Three exams: 45%
- Cumulative final exam: 25%

Homework
Each Wednesday at the beginning of class, all homework problems assigned the previous week are due. Your two lowest homework scores will be dropped. Late homework will not be accepted.

Quizzes
Each Friday there will be a 15 minute quiz. Quiz problems will always be taken from the homework that is due the following week. There will be no quiz during the week of an exam. Your lowest quiz score will be dropped, and hence make-up quizzes will not be given. Quizzes will be taken at the end of class.

Exams
In-class exams will be given on Friday, September 21, Friday, October 19, and Friday, November 30.
Final Grades

Final grades will be assigned as follows:

- $s \geq 93\%$: A
- $90 \leq s < 93$: A–
- $87 \leq s < 90$: B+
- $83 \leq s < 87$: B
- $80 \leq s < 83$: B–
- $75 \leq s < 80$: C+
- $70 \leq s < 75$: C
- $65 \leq s < 70$: C–
- $62 \leq s < 65$: D+
- $58 \leq s < 62$: D
- $55 \leq s < 58$: D–

Calculators

Calculators are of course a useful tool for mathematics, making computations less tedious and aiding in exploration and the development of sound mathematical intuition. For this reason, it is recommended that you own a graphing calculator and you are encouraged to bring it to class and use it however you like on homework assignments. On the other hand, many students rely too heavily on calculators. This often hinders the development of certain reasoning, estimation, and mental mathematics skills. Furthermore, at this point in your mathematics education, it is essential that you develop your ability to clearly write solutions to problems, confident that the reasoning you have used is sound. Always checking an answer on a calculator erodes the sense of confidence one gains from the knowledge that one understands the underlying ideas and that the reasoning behind a solution is correct. For these reasons, calculators will NOT be allowed on quizzes and exams.

Students with Disabilities

Students with disabilities are welcome to discuss accommodations with me.

Academic Misconduct

All students need to be familiar with the Student Conduct Code. You can find it in the “A to Z Index” on UM’s home page.

All students must practice academic honesty. Academic misconduct is subject to an academic penalty by the course instructor and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online at http://www.umt.edu/SA/VPSA/index.cfm/page/1321.

Important Dates

- August 27: Classes begin.
- September 3: Labor Day Holiday. No school.
- September 17 (4:30pm): Last day to add/drop by Cyberbear. Last day to select Audit.
- September 21: Exam 1.
- October 19: Exam 2.
- October 29 (Monday): Last day to add/drop or to change grade option (Must use paper forms.)
- November 6: Election Day Holiday. No school.
- November 12: Veteran Day Holiday. No school.
- November 21 - November 23: Thanksgiving Holiday. No school.
- November 30: Exam 3.
- December 7(4:30pm): Last day for petitions to drop/grade change. Petitions to drop must be signed by the dean of student’s major.
- Final Exam: December 12, 6 to 8 PM.