CALCULUS I
M 171 - SECTION 03 – Fall 2012

INSTRUCTOR  Michael Severino  
Office: Corbin 369  
Phone: 243-4469  
Email: michael.severino@umontana.edu

COURSE  Kelly McKinnie  
COORDINATOR  Email:kelly.mckinnie@msou.montana.edu

OFFICE HOURS  
Tues. 11:10-1:00 p.m.  
Wed. 1:30-2:00 p.m. and by appointment

TEXT  Calculus, 5th edition (Hughes-Hallett)

PREREQUISITES  M 122 (Trigonometry) or M 151 (Pre-calculus)

CALCULATORS  Calculators are sometimes useful and sometimes not. It is important that you do not rely too heavily on them and can perform operations yourself. Calculators are prohibited from the final exam and may be prohibited from certain quizzes and exams. I recommend a TI-83 or 84 for this class.

CONTENT  Topics include limits, continuous functions, Intermediate Value Theorem, tangents, linear approximation, inverse functions, implicit differentiation, extreme values and Mean Value Theorem, anti-derivatives, definite integrals, and Fundamental Theorem of Calculus.

LEARNING GOALS  Upon successful completion of this course students should be able to:
1. Understand the concepts of limit and continuity  
2. Understand the concept of derivative (limit definition, geometric interpretation via tangent lines, interpretation as a rate of change)  
3. Be able to compute derivatives (including derivatives of functions defined implicitly)  
4. Understand the relationship between the derivative and the graph of the function.  
5. Understand the definition and the basic properties of the definite integral.

ASSIGNMENTS  
Online Homework: Online homework is through webwork and can be found at http://lennes.math.umt.edu/webwork2/. Your initial login ID and password is your last name and the last 6 digits of your SID # respectively.  
Homework: Homework is due at the beginning of class of its due date and is to be stapled with your name on it. It should be neat and done in pencil. Late homework will not be accepted as your lowest homework score will be dropped.

Exams: Exams must also be done in pencil. When extenuating circumstances prevent a student from taking an exam at the scheduled time, the student must contact the instructor PRIOR to the time of the exam to announce their absence. Brief and occasional absences are excused only for reasons of illness, injury, family emergency, or a University sponsored activity. Arrangements for a make-up exam must occur within 1 week of the scheduled exam date. Failure to do so will result in a score of 0 for the exam.

Final Exam: There is a mandatory common final with all Calculus I sections held on Wednesday December 12th from 6-8 p.m. The location is TBD. By registering for this class you are implicitly committing to being present at this time and date for the final exam.

Quizzes: A short quiz will be given each week, unless a test coincides. THERE WILL BE NO MAKE-UP QUIZZES GIVEN. Quizzes will consist of material covered in class, on homework, and from the textbook. The lowest two quiz scores will be dropped.

Differentiation Skills Test: This test will be given tentatively for the first time in class on Tues. Oct. 16th. A score of 80% or greater is required to pass the test. You can take the test as many times as necessary, but you must pass this test by Tuesday November 20th to pass the course. If you pass on your first attempt, you will receive a bonus 2% on the Final Exam.
**GRADING SCALE**
The grade cut-offs are as follows: A 93%, A- 90%, B+ 87%, B 83%, B- 80%, C+ 75%, C 70%. C- 65%, D+ 62%, D 58%, D- 55%

**GRADING DISTRIBUTION**
- 3 Exams: 45%
- Homework: 10%
- Online Homework: 5%
- Quizzes (lowest 2 dropped): 15%
- Comprehensive Final Exam: 25%
- **TOTAL**: 100%

**CELL PHONE POLICY**
Cells phones are not to be used at all during class. All phones are to be placed in a backpack or bag, not in the laps of students or on the desks. Your class participation depends on your full attention for the entire class period. If you have a situation that necessitates checking your phone during class (such as a sick child at home) get this approved at the beginning of class.

**STUDENT CONDUCT CODE**
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, which is available for review online at [http://life.umt.edu/vpsa/student_conduct.php](http://life.umt.edu/vpsa/student_conduct.php)

In this class, you are encouraged to work together on homework and in-class activities. However, unless otherwise stated, the work you turn in must be your own. This means that after discussing a problem, you should each write it up in your own words.

**CLASSROOM AND TESTING ACCOMMODATIONS**
Please set up an appointment to meet with me to discuss reasonable modifications. The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). “Reasonable” means the University permits no fundamental alterations of academic standards or retroactive modifications. For more information, please consult [http://www.umt.edu/disability](http://www.umt.edu/disability).

**MATH LEARNING CENTER**
The Math Learning Center is located in the basement of the Math Building. The Math Learning Center offers free walk-in assistance to students Monday through Thursday: 10am-4pm. It is not a one-on-one tutoring center. You can also get help in the evenings at Math at Mansfield, located in the library. Monday through Thursday 6:30-9pm

**IMPORTANT DATES**
- Wednesday Sept. 5 – Last day to add via CyberBear
- Monday Sept. 17 – Last day to drop/change grading option via CyberBear
- Monday Oct. 29 – Last day to drop/add via paper form
- Friday Dec. 7 – Last day to add/drop via petition