

# MATH 105 - Contemporary Mathematics

## Spring 2011

Instructor: Mickey Smith

Office: Corbin 361

E-mail: michael4.smith@umontana.edu

Class: Monday, Wednesday, Friday, 11am-12pm (LA 338)

Office Hours: Monday, Wednesday, Friday, 10am-11pm

and by appointment

**Textbook:** For All Practical Purposes. Eighth Edition. Comap.

**Class Webpage:** <http://www.math.umt.edu/105>

### **FREE Math Tutoring:**

**Mansfield Library** - Mon-Thurs 11am-3pm,

Sun-Thurs 6:30pm-9pm.

**Math Basement** - Mon-Thurs 10am-4pm.

**Course Coordinator:** First person to see with complaints, questions, etc. about this course that cannot be resolved with the instructor is Lauren Fern, Math 205B, 243-5398, fernl@mso.umt.edu

### **Course Goals**

- To attain some degree of mathematical literacy, including an ability to read mathematical material and write using mathematical notation correctly. To develop skills to think and reason mathematically in order to function more effectively in the modern world.
- To demonstrate an understanding of basic financial mathematics, manage and plan for your financial future.
- To understand elementary probability concepts and phenomena: including sample spaces with equally likely outcomes, the basic parameters (mean, standard deviation), the normal distribution, and a qualitative view of the Central Limit Theorem.
- To understand elementary statistical concepts, such as data description, statistical estimation, randomization, and statistical inference.

**Grading** Your course grade will be based on three exams, weekly homework, possible quizzes, and an optional final exam. Each test will be 22% of your grade, and homework/quizzes will be 34% of your grade. When a test is returned, there is one week from the date of return for contesting the grading. After that time period the grade will be accepted as final.

If you are taking this course as a general education requirement, you must take it for a traditional letter grade (not CR/NCR). A grade of D-is considered passing and will earn you credit for the course, BUT it will NOT fulfill your general education requirement and you will have to re-take the class. A grade of C or better is needed to fulfill the math literacy requirement.

**Tests** Each of the three tests are worth 100 points (300 pts total). The optional final will replace your lowest test grade. (only if it helps your grade) The final will take place on Friday, May 11th at 10:10am-12:10pm in the same room.

**Make-ups** Make-ups will ONLY be given under special and extenuating circumstances, such as a death in the family or illness, provided that a note from the Health Service or doctor is furnished by the student AND permission is given by me **prior to the exam**. It is your responsibility to notify me as soon as you know you will miss any exam and it must be either prior to or within 24 hours of the exam.

**Incomplete Grades (I)** To be eligible for an I, the following conditions must be met. 1) The student must have been in attendance and passing the course up to 3 weeks before the semester ends; and 2) The student is unable to complete the course due to extenuating circumstances, which usually means serious illness or death in the family. Incompletes are not given under any other circumstances and are always given at the discretion of the instructor. See the 2009-2010 catalog for further information.

**Add/Drop Policy** The last day to add/drop or change grading option to Audit by Cyberbear is 2/10. The last day to change sections and to change grading options is 3/26. This is also the last day to drop. The Last day to withdraw from the semester (drop all courses) is 5/4. Changes after 3/26 must be done by petition. Drop/Add after deadline and approved by me, your advisor and the appropriate Dean. Approval requires genuine extenuating circumstances as listed in the university catalog.

Week	Material To Be Covered ( <b>Tentative</b> )
1/23-1/27	Syllabus, Review, Numbers, 19.1
1/30-2/3	1.1, 1.2, 1.3
2/6-2/10	2.1-2.5
2/13-2/17	3.1, 3.2, Review, Exam 1(Friday 2/17)
2/20-2/24	21.1-21.3
2/27-3/2	21.3-21.5
3/5-3/9	22.1-22.3
3/12-3/16	22.3-22.4
3/19-3/23	22.4, Review, Exam 2 (Friday 3/23)
3/26-3/30	8.1-8.4
4/2-4/6	Happy Spring Break
4/9-4/13	8.4-8.6
4/26-4/20	5.1-5.4
4/23-4/27	5.4, 5.7, Review, Exam 3(Friday 4/27)
4/30-5/4	5.8, 5.9

A	93% or above
A-	90 - 92%
B+	87 - 89%
B	83 - 86%
B-	80 - 82%
C+	75 - 79%
C	70 - 74%
C-	65 - 69%
D+	62 - 64%
D	59 - 61%
D-	55 - 57%
F	55% or below

**Students with Disabilities** Students with disabilities are welcome to discuss accommodations with me. Please let me know as soon as possible. If extra time is needed on exam please let me know at least by the class period before exam.

**Academic Integrity** A fundamental tenet of all educational institutions is academic honesty; academic work depends upon respect for and acknowledgment of the work and ideas of others. Misrepresenting someone else's work as one's own is a serious offense in any academic setting and it will not be condoned. The act of cheating reduces the value of not only what your degree will be worth, but also what your classmates degree will be worth upon graduation. I will not tolerate cheating. If you are caught cheating, I will persecute it to the fullest extent. It is well known that in some courses cheating is not punished as harshly as described above. This is not such a course. **Don't cheat.**

#### **Important University-Wide Info and Dates:**

- Friday, 10 February, 5:00 pm: Last Day to Add/Drop by CyberBear. Also last day to select AUDIT option. After this date, a drop results in W on transcript and no refund is given.
- Monday, 20 February: Presidents Day
- 2 -6 April: SPRING BREAK
- Monday, 26 March, 4:30 pm: Last Day to Drop by Paper Form. Transcript will show WP or WF. \$10 fee.
- Friday, 27 April 5:00 pm: Last Day to Withdraw from all courses
- Friday, 4 May, 4:30 pm: Last Day to petition for a drop or change of grading option