

GROSSMONT COLLEGE  
**Math 178: CALCULUS – BUS-SOC & BEHAV SCI**  
**Fall 2008 Syllabus**

**Class Meets:** MW: 10:30 AM – 12:20 PM, Room 53-552 (Section #3495, 4 units)

**Instructor:** Bill Homann (Primary) Michael T. Orr (Substitute)

**Contact Info:** Office Hours: TTh 8:00 – 10:00 AM in MSC.  
Th 1:00 – 5:00 PM in MSC.  
Other times by appointment

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**Prerequisite:** “C” grade or higher in Math 110 or equivalent (Math 103 is not equivalent to Math 110). The completion of Math 175 is strongly recommended. You are responsible for knowing all Intermediate Algebra topics; only Calculus techniques will be taught in this course. **You will not be able to apply calculus techniques if you do not remember the algebra.**

**Text:** *Finite Mathematics and Applied Calculus, 2nd Edition*, by Berresford/Rockett, (must bring to every class), and Student Solutions Manual (optional).

**Required:** A graphing calculator is required in class. I will be using the TI-84 Plus Silver (very similar to a TI-83 or TI-83 Plus). Calculators CANNOT be shared during exams or quizzes so please bring your own calculator to class every class period. Be aware that there may be portions of exams or entire exams where calculators cannot be used. You can check out graphing calculators from the limited loan desk in the library on a first come, first serve basis. TI-89, TI-92, Voyage 200 calculators may NOT be used on quizzes and exams.

**Overview:** Math 178 is an introduction to differential and integral calculus. Various applications designed for business, social, and behavioral sciences along with an introduction to matrix algebra methods used in solving various types of problems will be covered.

**Coursework:** Plan to spend at least 12 hours per week of your time studying outside of class. Of course, it may take some students considerably more time to be successful in this class. It is your responsibility to seek additional help by coming in during my office hours or getting assistance from or free on-campus tutoring centers. Students who cannot schedule at least 12 hours a week for this class are advised to not enroll.

Success in this class depends on two things: a strong College Algebra background, and a serious time commitment (outside of class) covering calculus.

- Make the time to learn the material by completing all homework assignments. (Don’t wait – do it immediately after lecture).
- If you want to understand and remember concepts, YOU must do the work. Watching me solve problems in class is not enough.
- Rework homework problems on your own before an exam.
- Try doing problems without notes and under time constraints – as if you are taking an exam.

Understanding concepts and being able to recall them without the use of your notes is key to successfully completing this course.

**Grading:** Your grade for the course is based on:

• Homework	5%
• Quizzes	20%
• 4 exams (12.5% each)	50%
• Final Exam (cumulative)	25%
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TOTAL	100%

The grading scale for this course is:

90 – 100 % = **A**, 80 – 89 % = **B**, 70 – 79 % = **C**, 60 – 69 % = **D**, Below 60 % = **F**

For Credit/No Credit option: 70 – 100 % = **Credit**, Below 70% = **No Credit**

**You can NOT get a passing grade in this class without taking the final exam!**

**Homework:** There is no assigned homework in this class. However, Math is a subject learned by *doing*. Therefore *doing the problems at the end of each sections* is very important to succeed in this class. **I expect you to attempt the ALL of the exercises before the next class meeting.** I will answer your questions at the beginning of each class. The homework questions are designed to **prepare you for exams and quizzes**, so if you are having difficulty with ANY question, please contact me for help or ask the tutors in the Math Study Center (Room 70-112/113). We are here to help you SUCCEED!

**Quizzes:** **Daily quizzes will be given in this course.** Because of this, it is important that you come to class every day, and come to class prepared! **Make-up quizzes will NOT be given.** However, your lowest quiz score will be dropped.

**Exams:** There will be 4 in-class exams and a cumulative Final Exam. **No exams will be dropped.** Exams will cover material from the homework, textbook and handouts, as well as material presented in class. *If you do not take an exam, you will receive a zero for it.*

**Late exams may ONLY be taken by PRIOR ARRANGEMENT or in the case of a DOCUMENTED emergency.**

Remember that it is **your responsibility** to contact me (by email, phone, mailbox, or in person) **immediately** if a conflict arises.

**Final Exam:** The final is **MANDATORY** and **CUMULATIVE** and will be given  
**Thursday, Jul 31st, 9:00 AM – 11:30 AM, Room 70-113**  
***DON'T MAKE TRAVEL PLANS THAT CONFLICT WITH THIS DATE !!!!!***

**Attendance:** Attendance is **required** at each class meeting. **You are expected to be on time at every class meeting.** Bring your text and calculator to every class. **You can be dropped from the class for having more than 1 unexcused absences.** Late arrival and early departure from class will be counted as an absence. Please discuss any anticipated absences with me as soon as possible. In the event of an absence, you are responsible for all material covered in class, turning all assignments in **on time** and any schedule changes or class announcements

**Classroom Conduct:** You are expected to be courteous to each other and to the instructor. You will be asked to leave the class for display of behavior the instructor deems as disruptive to the class environment. Please see the Grossmont College Catalog for a full statement of the Student Code of Conduct. **In class, please turn off all cell phones, pagers and other distracting electronic devices.**

**Academic Integrity:** All work that you complete in this class should be your own. Any form of cheating will result in an “F” and a referral to the Dean for further action.

**Students w/ Disabilities:** Students with disabilities who may need accommodations in this class are encouraged to notify me and contact Disabled Student Programs and Services (DSPS) during the first two weeks of class. Students may contact DSPS in person (Room 110) or by phone (619) 644-7112 or (619) 644-7119 (TTY for deaf).

**Expectations:** Enrolling in a course represents a commitment to attend class and to participate fully in the learning process. I expect students to come to every class **on time**, prepared for that day's lecture. I expect students to be attentive during lectures, to take notes, and **to remain seated until class is over**. I expect students with questions about the material to ask them before, during and after class. I expect students to put in the effort required to succeed in this course!

**Disruptions:** Your demeanor should support and respect the environment of learning inside the classroom. Movement and chitchat in the classroom disrupts your classmates and the instructor. This includes leaving class, coming in late, passing notes and chatting with the person next to you about non-math related topics. Because of the size of this class it is very important that all students be respectful of those trying to learn. Again, I encourage you to ask questions in class. If you don't feel comfortable asking the instructor, you can quietly ask your neighbor. Just know that if you have a question related to the class, someone else is certain to be wondering the same thing; So please ask! Talk on your phone and attend to your personal needs before or after **but not during** class. When you enter the classroom, turn off cell phones, pagers, and all other communication devices. In times of family crisis, you may set your cell phone on vibrate. If you must arrive late or leave early, take the first seat near the door.

**Supervised/ Tutoring:** Students requiring additional help or resources to achieve the stated learning objectives of the courses taken in a Mathematics course are referred to enroll in Math 198, Supervised Tutoring, Section #6289. The department will provide Add Codes.

Students are referred to enroll in the following supervised tutoring courses if the service indicated will assist them in achieving or reinforcing the learning objectives of this course:

- IDS 198, Supervised Tutoring to receive tutoring in general computer applications in the Tech Mall;
- English 198W, Supervised Tutoring for assistance in the English Writing Center (70-119); and/or
- IDS 198T, Supervised Tutoring to receive one-on-one tutoring in academic subjects in the Tutoring Center (70-229).

To add any of these courses, students may obtain Add Codes at the Information/Registration Desk in the Tech Mall.

All Supervised Tutoring courses are non-credit/non-fee. However, when a student registers for a supervised tutoring course, and has no other classes, the student will be charged the usual health fee.

## TIPS FOR SUCCESS:

1. Get to class on time, every day.
2. Listen attentively to the lectures and take careful notes.
3. Asks questions in class when you don't understand.
4. Do the homework! Attempt ALL OF IT!
5. Make a math friend in class. Work in pairs or organize your own study group.
6. Get FREE tutoring – the Math Study Center is in Rooms 70-112.

Hours:	Monday – Thursday	8:00am – 9:00 pm
	Friday	8:00am – 3:00 pm
	Saturday	9:00am – 3:00 pm

7. Feel free to come to me with questions about concepts or problems you don't understand.
8. Keep a positive attitude!

## Important Dates:

September 1:	Holiday (Labor Day)
September 5:	Last day to drop without a “W” (and for refund)
November 10:	Holiday (Veterans’ Day)
November 14:	Last day to drop classes with a “W”
November 27-29:	Holiday (Thanksgiving)
December 17:	Final Exam @ 9:30 AM – 11:30 AM, Room 53-552

*This course adheres to the policies outlined in the Grossmont College Catalog. See the Academic Policies stated in the catalog.*

<b>INSTRUCTOR: Homann/Orr</b>		<b>Math 178 Tentative Schedule Fall 2008</b>			<b>Section #: 3495</b>	
<b>Week</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>	
Week 1 8/25 – 8/29	Intro, Algebra Review, 8.1		8.2, 8.3			
Week 2 9/1 – 9/5	Holiday Labor Day		8.4, 8.5		<b>Last Day to Drop w/out W</b>	
Week 3 9/8 – 9/12	8.6, Review		<b>Exam #1 Ch 8</b>			
Week 4 9/15 – 9/19	9.1, 9.2		9.3, 9.4			
Week 5 9/22 – 9/26	9.5, 9.6		9.6, Review			
Week 6 9/29 – 10/3	<b>Exam #1 Ch 9</b>		10.1, 10.2			
Week 7 10/6 – 10/10	10.2, 10.3		3.1, 3.2			
Week 8 10/13 – 10/17	3.3, 3.4		3.4, 3.5			
Week 9 10/20 – 10/24	3.5, Review		<b>Exam #3 Ch 10 &amp; 3</b>			
Week 10 10/27 – 10/31	11.1, 11.2		11.2, 11.3			
Week 11 11/3 – 11/7	11.3, 11.4		11.4, 11.5			
Week 12 11/10 – 11/14	Holiday Veterans' Day		11.5, 11.6		<b>Last Day to Drop</b>	
Week 13 11/17 – 11/21	11.6, 12.1		12.1, 12.4			
Week 14 11/24 – 11/28	12.5		12.6	Holiday Thanks- giving	Holiday Thanksgiving	
Week 15 12/1 – 12/5	Review		<b>Exam #4 Ch 11 &amp; 12</b>			
Week 16 12/8 – 12/12	Review for Final		Review for Final			
Week 17 12/15 – 12/19			<b>FINAL EXAM 9:30 – 11:30 AM</b>			

<b>Section</b>	<b>Problems</b>
<b>Chapter 8</b>	
8.1	1- 75 ODD
8.2	1- 7 ODD, 17- 45 ODD, 55,57,59
8.3	1- 39 ODD, 43, 47
8.4	1- 35 ODD, 41- 45 ODD, 55, 57
8.5	1- 29 ODD, 33- 39 ODD
8.6	1- 41 ODD, 47, 53
REVIEW	1-31 ALL, 35- 58, 60 - 61A, 63- 92
<b>Chapter 9</b>	
9.1	1, 5-37 ODD, 41, 43, 49, 62
9.2	1- 25 ODD, 29 -35 ODD, 41, 53, 63
9.3	1-15 ODD, 21-33 ODD, 41
9.4	1 – 5 ODD , 8, 13, 14,15, 17
9.5	1- 5 ODD
9.6	1- 37 ODD, 41-55 ODD, 59
REVIEW	1-28 ODD, 33,35, 39, 47, 50- 57 ALL, 59,60
<b>Chapter 10</b>	
10.1	1-14 all, 15-21 odd, 23 skip c, 25, 27 skip c, 29a
10.2	1- 47 odd, 55-69 odd
10.3	1-35 odd
REVIEW	1-4 all, 9-38 all, 46-51 all
<b>Chapter 3</b>	
3.1	1-39 odd, 41- 49 odd
3.2	11-39 odd, 51-69 odd, 73, 77
3.3	1-11 odd, 25-39 odd, 41
3.5	1-7 odd, 25-35 odd,41, 45
REVIEW	1-10 ALL, 15-20 ALL, 25-28 ALL, 35,36,43-46 ALL
<b>Chapters 11 &amp; 12</b>	
11. 1	1-35 odd, 39-45 odd
11. 2	1-25 odd, 27-35 odd
11. 3	1, 3, 7-11 odd, 19-39 odd, 47-65 odd
11. 4	1-15 odd, 23, 25, 29, 33-47 odd, 53,55
11. 6	1- 59 odd
REVIEW	1-19 all, 23-30 all, 31-39 odd, 49-60 all, 61-67 odd, 77-100 all
12.1	1-27 odd, 33-47 odd
12.4	TBA
12.5	TBA
12.6	TBA