GROSSMONT COLLEGE
Math 103: Intermediate Algebra
Spring 2014 Syllabus

Class Meets: TTh: 4:00-5:15 PM, Bldg 51, Room 358 (Section #1270**,** 3 units)

Instructor: **Michael T. Orr**
Contact Info: Office Hours: (Tentative)

MW	2:00 – 3:15 PM	in MSC
TTh	1:00 – 1:45 PM	in MSC

Others by appointment.

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Prerequisite: Math 90 or Equivalent.

Text: *Beginning and Intermediate Algebra, Custom Ed.*, by Bittinger, Ellenbogen, Johnson.
ISBN: 9781256976608
A MyMathLab access code is required. Course ID: `orr72066`

Required: *A scientific calculator is strongly recommended*. I will be using the TI-84plus in class. Calculators can NOT BE SHARED during exams or quizzes, so please bring your own calculator to every class period or you will have to do without. You can check out graphing calculators (3 days) from the limited loan desk in the library on a first come, first served basis. *TI-89, TI-92, Voyage 200 calculators or equivalent may NOT be used.*

Overview: Math 103 is designed to provide the student with the necessary algebra skills to be successful in math for general education, math for elementary teachers, statistics. The course includes a brief review and expansion of the topics from elementary algebra (Math 90) with a concentration on functions, exponents, radicals, quadratic equations, systems of linear equations, rational expressions, logarithms, conic sections, and sequences and series.

A Student Who Has Successfully Completed This Course Will Be Able To:
- A student will be able to categorize intermediate algebra problems and use appropriate theorems, formulas, and algorithms to simplify or solve them.
- A student will be able to formulate, analyze, and differentiate mathematical functions numerically, graphically, and symbolically at the intermediate algebra level and have the ability to transition between these representations.
- A student will be able to apply appropriate algebraic methods to solve applications.

Grading: Your grade for the course is based on:

• Homework	15%	
• Quizzes (in class & computer)	15%	
• 3 Hourly exams (15% each)	45%	
• Final Exam (cumulative)	25%	
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/ Comp. Lab: You will be assigned homework in MyMathLab on the computer.

Math is a subject learned by _**doing**_. Therefore _**doing your homework**_ is very important to succeed in this class. Homework will be assigned daily**. I expect you to attempt all assigned exercises before the next class meeting.** I will answer your questions at the beginning of each class. All homework will be done online and you have an unlimited number of attempts for each assignment. Each assignment, however, must be submitted BEFORE its due date. Do not wait until the due date to submit an assignment, I will guarantee you that something will go wrong. Remember that technology can be unreliable and at the most inconvenient time, <u>PLAN AHEAD and submit your homework one day before it is due to avoid problems.</u> <mark>Late homework will result in a 20% grade deduction and will only be available until the end of the week.</mark> You must at least attempt a homework assignment to have access to it from the grade book. **If you do not attempt a homework assignment then you will not have access to it later when you are preparing for a test**. To submit and save your homework you need to click on the SAVE button at the bottom of the page. Even if you are not ready to submit, you should always save your homework so that I have your most updated results.

A successful student seeks out help when needed. Don't wait until it's too late to get help. Go to the math study center, make an appointment for one-on-one tutoring, stop by my office during office hours. <u>We are all here to help you succeed.</u> Utilize these services so that you can maximize your chances of earning a good grade in this class.

Notice that the computer program gives specific instructions on how the answer is to be entered. Make sure to read the small print so that you are rounding correctly. When entering your answer make sure to use the symbols in the palette located to the left of your screen. If you are not using the symbols in the palette then your answer will be marked incorrect. <u>Follow all instructions so that your answer matches the correct answer in the computer program.</u>

Everyone should get a perfect score on each homework assignment. You have an unlimited number of attempts for each problem and you are guided every step of the way. Because of this, your score on a homework assignment may not be representative of how well you understand the material. If you are using the help tools with homework problems, try to do them over, on your own, at a later time with no help to see how much you really understand.

Quizzes: **Weekly quizzes will be given in this course.** Quizzes will be both in class on paper and in MyMathLab. The purpose of these quizzes is to prepare you for upcoming exams. Quizzes measure what you have learned after completing the homework and is indicative of how well you will do on exams.

I will be giving you take home quizzes and POP quizzes. Expect a POP quiz at every class meeting. Take home quizzes are available online through MyStatLab. It is important that you attend every class meeting so that you do not miss a quiz. If a pop quiz is given during the first 5 or 10 minutes of class and you are late, you will not be able to take this quiz. If a pop quiz is given during the last 10 minutes of class, you will not be able to take this quiz earlier. **Make-up quizzes will NOT be given.** Two pop quizzes will be dropped at the end of the semester to compensate for missing a quiz caused by events beyond your control. An online (take home) quiz may be turned in early for credit if the due date is inconvenient for you.

Take home (online) quizzes are similar to the homework questions. I will take the best score out of three attempts (to compensate for technology unreliability, I have set the attempts to 5 on MyStatLab but I only guarantee 3 attempts). **<u>Late quizzes will not be accepted so plan ahead</u>** To avoid problems submit your quiz one day before it is due - do not wait until the due date. <u>Always print out or save a confirmation of your quiz results.</u> In case of computer malfunction,

this is proof that you completed the assignment. Turn in your confirmation only if you see that you did not receive credit for your assignment.

Exams: There will be 3 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.*
> **Make-up exams may ONLY be taken by PRIOR ARRANGEMENT or**
> **in the case of a DOCUMENTED emergency** and <u>only if you contact me before the exam day</u>.

Remember that it is **your responsibility** to contact me (by email, phone, mailbox, or in person) **immediately** if a conflict arises.
No books and absolutely no cell phones (or other electronic devices) will be allowed on exams.

Final Exam: The final is **MANDATORY** and **CUMULATIVE** and will be given
Thursday, May 29th, 3:55 – 5:55 PM, Room 31-358
DON'T MAKE TRAVEL PLANS THAT CONFLICT WITH THIS DATE !!!!!

Attendance: Attendance is required at each class meeting. Bring your text and calculator to every class. When absences exceed the number of hours that a class meets a week, the instructor may drop the student from the class (**You can be dropped from the class for having more than 2 unexcused absences**). It is the student's responsibility to discuss anticipated extensive absences with the instructor. Partial absences (late arrivals, long breaks, early exits, etc) will constitute a ½ day absence. Make-up work for an absence of any kind must be completed to the satisfaction of the instructor. No absence relieves the student of the responsibility of completing all work assigned. 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

Supervised/ Tutoring: Students requiring additional help or resources to achieve the stated learning objectives of the courses taken in a Mathematics course may seek help in the Math Study Center.

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 (for Math 80 – 97 only);
- **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, 644-7387).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.

Classroom Conduct: You are expected to be courteous to each other and to the instructor. Your demeanor should support and respect the environment of learning inside the classroom. Inappropriate behavior will not be tolerated. A student may be excluded from class whenever the student exhibits behavior which interferes with the educational process. The instructor will determine when behavior is disturbing and appropriate action will follow. You are responsible for reading and adhering to the rules described in the "Student Conduct" section of the Grossmont College General Catalog.

Use of a cell phone or other non-approved electronic device is not allowed in class. Any student caught using a cell phone (calls, texting, or any other use) in class will be asked to leave class for that day and no makeups will be allowed for quizzes or exams missed as a result. In times of family crisis, you may set your cell phone on vibrate. Surfing the Internet during lecture is also strictly prohibited.

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. 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!

Visitors may be allowed into the classroom only with the instructor's prior approval. If you bring food or beverages into the classroom, please clean up after yourself. If you must arrive late or leave early, take the first seat near the door.

Academic Integrity: Cheating and plagiarism (using one's own ideas, writings or materials of someone else without acknowledgement or permission) can result in any one of a variety of 8 sanctions. Such penalties may range from an adjusted grade on the particular exam, paper, project, or assignment (all of which may lead to a failing grade in the course) to, under certain conditions, suspension or expulsion from a class, program or the college. Class assignments, exams, and quizzes that are missed during a suspension are not eligible for make-up. IN addition, suspended days are counted as absences. For further clarification and information on these issues, please consult with your instructor or contact the office of the Assistant Dean of Student Affairs.

CHEATING is the copying of any test or quiz question or problem, or work done in a class that is not the student's own work. It also includes giving or receiving unauthorized assistance during an examination whether it was intentional or not. Obtaining or distributing unauthorized information about an exam before it is given is also cheating, as is using inappropriate or unallowable sources of information during an exam. To avoid unintentional copying of work, students should cover their own exams and quizzes, and not leave a test or quiz on the desk where another student may be tempted to look at it.

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) **early in the semester** so that reasonable accommodations may be implemented as soon as possible. Students may contact DSPS in person (Bldg 60, Room 120) or by phone (619) 644-7112 (voice) or (877) 561-8975 (Video Phone for the 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!

MAXIMUM NUMBER OF TIMES A STUDENT MAY ENROLL IN A COURSE

The maximum number of times a student may enroll in the same credit course is **three times**.

- A student, through a combination of substandard grades (D or F) and withdrawals (W) on their student record, may only take a class three times.

- If a student, through a combination of substandard grades (D or F) and withdrawals (W), wishes to take a class for the fourth time, they must submit a petition to the Admissions and Records Office. Petitions will only be approved based on extenuating circumstances.

- Military Withdrawals do not count in terms of repetition restrictions, nor do withdrawals that occur due to fire, flood (Title 5 Sections 55024 and 58509)

- This rule does not contain a grandfather clause. If a student has already reached the maximum allotted number of course repetitions, the district will not be able to claim apportionment for that course.

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	8:00 am – 9:00 pm
	Friday	8:00 am – 3:00 pm
	Saturday	closed

7. Feel free to come to me with questions about concepts or problems you don't understand.

8. Keep a positive attitude!

Important Dates:

February 7:	Last day to drop without a "W" (and for refund)
February 14-17	Holidays – President's Days (Lincoln & Washington's Birthdays)
February 28:	Last Day to apply for P/NP option.
April 14-18:	Spring Break
April 25	Last day to drop classes with a "W"
May 26:	Holiday – Memorial Day
May 29:	Final Exam @ 1:45 – 3:45 PM, Room 41-117

Finally, by enrolling in this class you agree to all of the terms and conditions listed on this syllabus. Enjoy the class and if you have any questions regarding the nature of this course feel free to contact me.

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

INSTRUCTOR:
Orr

Math 103 Tentative Schedule
Spring 2014

Section #: 1270

Week	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1 1/27 – 1/31		Intro., 9.2		9.3	
Week 2 2/3 – 2/7		9.4		9.5	**Last Day to Drop w/out W**
Week 3 2/10 – 2/14		9.6		10.2, 10.3	**Holiday Lincoln's Birthday**
Week 4 2/17 – 2/21	**Holiday Washington's Birthday**	11.1, 11.2		Review	
Week 5 2/24 – 2/28		**Exam #1 Ch. 9-11**		7.1, 7.2	
Week 6 3/3 – 3/7		7.3, 7.4		7.5, 7.6	
Week 7 3/10 – 3/14		7.7		12.1, 12.2	
Week 8 3/17 – 3/21		12.3, 12.4		12.5	
Week 9 3/24 – 3/28		12.6, 12.7		12.8	
Week 10 3/31 – 4/4		Review		**Exam #2 Ch. 7 & 12**	
Week 11 4/7 – 4/11		13.1, 13.2		13.7, 13.8	
4/14 – 4/18			**Spring Break**		
Week 12 4/21 – 4/25		14.2, 14.3		14.4, 14.5	**Last Day to Drop**
Week 13 4/28 – 5/2		14.5, 14.6		15.1	
Week 14 5/5 – 5/9		15.2, 15.3		Review	
Week 15 5/12 – 5/16		**Exam #3 Ch. 13-15**		**Review for Final Exam**	
Week 16 5/19 – 5/23		**Review for Final Exam**		**Review for Final Exam**	
Week 17 5/26 – 5/30				**FINAL EXAM 3:55– 5:55 PM**	

The following homework assignments are already in MyMathLab. These are the corresponding problems in the book if you choose to complete them for more practice.

Math 103 Homework Set
(eoo means every other odd - e.g., 1-21 EOO means 1, 5, 9, 13, 17, 21)

Chapter 9:	DUE DATE: 9/18/13

9.2 17, 19, 21, 23, 29, 31, 33, 39, 47, 51, 57, 59, 63, 65, 69
9.3 9, 11, 13, 15, 23, 25, 29, 31, 33, 35, 39, 47, 49, 53, 57, 59, 61, 63, 67
9.4 3, 7, 11, 13, 15, 27, 29, 33, 35, 37, 39, 45
9.5 1, 3, 5, 7, 11, 17, 19, 23, 25, 27, 29, 35, 41, 45, 49, 51, 53, 57, 59, 61, 63, 67, 69, 75, 77, 79
9.6 1, 3, 5, 6, 7, 9, 11, 15, 17, 23, 27, 31, 33, 37, 39, 41, 43
Chapter 10:
10.2 1, 21, 27, 29, 31, 37, 39, 41, 43, 47
10.3 7, 13, 15, 19, 21, 25, 27, 31, 39, 43, 45, 49
Chapter 11:
11.1 9, 11, 13, 19, 21, 23, 31
11.2 1, 3, 5, 9

Chapter 7:	DUE DATE: 10/28/13

7.1 1, 2, 3, 4, 5, 6, 7, 11, 17, 19, 23, 27, 29, 31, 33, 35, 43, 47, 51
7.2 11, 15, 19, 23, 25, 27, 29, 35, 39, 47, 51, 57, 61
7.3 9, 11, 15, 17, 19, 21, 25, 27, 29, 31, 33, 35, 43, 47, 49, 53, 55
7.4 7, 11, 17, 25, 29, 31, 37, 43, 45, 47, 49, 57, 69
7.5 7, 9, 11, 15, 19, 23, 25, 35
7.6 9, 11, 17, 19, 23, 27, 29, 33, 35, 37, 39, 41
7.7 19, 21, 27
Chapter 12:
12.1 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 17, 19, 21, 23, 29, 31, 37, 39, 41, 43, 49, 51, 53, 55, 57, 69, 71, 73, 77, 79, 81, 83, 85, 89
12.2 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 17, 19, 21, 29, 31, 33, 35, 37, 39, 41, 43, 45, 49, 51, 53, 55, 57, 61, 79, 83, 85, 87, 89
12.3 7, 9, 15, 17, 21, 23, 27, 31, 33, 35, 37, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69
12.4 9, 11, 13, 15, 17, 27, 33, 41, 43, 45, 47, 49, 51
12.5 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 55, 61, 63, 65, 67, 69
12.6 7, 11, 15, 23, 29, 33, 35, 39
12.7 7, 11, 15, 21, 23, 51, 53, 57, 63, 65, 67, 69, 71
12.8 9, 11, 13, 15, 17, 19, 21, 25, 27, 29, 31, 33, 35, 37, 39, 41, 45, 47, 49, 51, 55, 59, 65, 67, 77, 79

Chapter 13:	DUE DATE: 12/2/13

13.1 13, 15, 17, 19, 23, 25, 29, 31
13.2 9, 13, 15, 17, 19, 29, 33, 35
13.7 19, 23, 25, 31, 33, 39, 51, 53
13.8 9, 11, 17, 19
Chapter 14:
14.2 11, 13, 23, 33, 37, 39, 41, 51
14.3 9, 11, 13, 15, 21, 23, 39, 41, 47, 51, 53, 55, 65, 67, 69, 71, 73, 75, 81, 83, 85, 87, 89, 91, 97, 101, 103, 107, 109
14.4 7, 11, 13, 15, 17, 19, 23, 25, 27, 31, 33, 35, 39, 47, 53
14.5 11, 13, 17, 19, 21, 29, 31, 33
14.6 9, 13, 15, 17, 19, 23, 25, 31, 33, 35, 39, 45, 47, 49, 53, 55, 63, 67
Chapter15:
15.1 9, 11, 21, 29, 31, 33, 37, 39, 41, 43, 45, 47, 51, 53, 55
15.2 9, 11, 13, 15, 19, 23
15.3 9, 11, 13, 15, 17, 27, 29, 31, 33, 35, 37, 39, 41