GROSSMONT COLLEGE
Math 120: Math for General Education
Spring 2014 Syllabus

Class Meets: MW: 3:30-4:45 PM, Bldg 34, Room 171 (Section #7951, 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 103 or 110 or Equivalent.

Text: *A Survey of Mathematics with Applications, (9th Edition)*, by Angel, Porter & Runde.
ISBN: 978-0321759665

Required: *Some kind of computational device is recommended.* You can use an abacus, your fingers and toes, a slide rule, or a calculator. A basic calculator capable of square roots is about all you need. 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.

Overview: Math 120 is designed to provide the student with the some basic mathematical skills that one may actually need in one's daily life as well as the intellectual skills to:

1. Analyze the given information in a problematic situation
2. Sort out a logical solution, and
3. Communicate ideas precisely.

Consequently, emphasis is placed on analytical and logical thinking rather than tedious computations or complicated mathematical computations.

A Student Who Has Successfully Completed This Course Will Be Able To:
- A student will be able to employ both inductive and deductive reasoning appropriately.
- A student will be able to construct visual representations of certain problems and then analyze those constructs to attain a solution.
- A student will be able to identify patterns in observations presented in a problem and then predict other outcomes using the patterns they identified.
- A student will be able to employ logic in solving a problem to arrive at a conclusion.
- A student will be able to categorize given problems and then employ the correct procedures to solve the problems.

Grading: Your grade for the course is based on:

• Attendance/Participation	5%
• Quizzes	20%
• 3 exams (15% each)	45%
• Final Exam (cumulative)	30%
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 section*** is very important to succeed in this class**. I expect you to attempt 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: **Weekly quizzes will be given in this course.** Quizzes will be both in class on paper and in WebAssign. 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 2 quiz scores will be dropped.

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
> **Monday, June 2nd, 3:55 PM – 5:55 PM, Room 34-171**
> *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/ Students requiring additional help or resources to achieve the stated learning objectives of
Tutoring: 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 (Room 110) or by phone (619) 644-7112 (7119 is 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! |

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.

Week	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1 1/27 – 1/31	Intro, Sec 3.1, 3.2		3.3, 3.4		
Week 2 2/3 – 2/7	3.5, 3.6		5.1, 5.7		**Last Day to Drop w/out W**
Week 3 2/10 – 2/14	5.8, Review		**Exam 1 Ch 3 & 5**		**Holiday Lincoln's Birthday**
Week 4 2/17 – 2/21	**Holiday Washington's Birthday**		6.1, 6.2		
Week 5 2/24 – 2/28	6.3, 6.4		6.5, 6.6		
Week 6 3/3 – 3/7	6.7		8.1, 8.2		
Week 7 3/10 – 3/14	8.3, 8.4		Review		
Week 8 3/17 – 3/21	**Exam 2 Ch. 6 & 8**		9.1, 9.2		
Week 9 3/24 – 3/28	9.3, 9.4		11.1		
Week 10 3/31 – 4/4	11.2		11.3		
Week 11 4/7 – 4/11	11.4		11.5		
		4/14 – 4/18	**Spring Break**		
Week 12 4/21 – 4/25	Review		**Exam 3 Ch. 9 & 11**		**Last Day to Drop**
Week 13 4/28 – 5/2	12.1, 12.2		12.2, 12.3		
Week 14 5/5 – 5/9	12.4, 12.5		12.5, 12.6		
Week 15 5/12 – 5/16	12.8, 12.9		12.9, 12.10		
Week 16 5/19 – 5/23	**Review for Final Exam**		**Review for Final Exam**		
Week 17 5/26 – 5/30	**Holiday Memorial Day**	**NO CLASS – FINALS WEEK**			
Week 18 6/2 – 6/6	**FINAL EXAM 3:55– 5:55 PM**				

NOTE: This Schedule is subject to change.