

**GROSSMONT COLLEGE**  
**Math 90: Elementary Algebra**  
**Spring 2014 Syllabus**

**Class Meets:** Monday & Wednesday, 2:00-4:20pm  
 Bldg 53, Rm 553, Section 7878 (5 units)

**Instructor** **Jenny Vanden Eynden** (pronounced vān-dēn ěn-dēn)

**Contact Info:** Email: [jenny.vandeneinden@gcccd.edu](mailto:jenny.vandeneinden@gcccd.edu)

Phone/Voice Mail: 619-644-7294

Website: [www.grossmont.edu/jennyvandeneinden](http://www.grossmont.edu/jennyvandeneinden)

Office Hours: Bldg 70, Room 212 (located on the second floor of the Tech Mall)

Mon, Wed: 1:00 – 1:50pm,

Tues, Thurs: 2:00 – 3:00pm,

Mon, Tues, Wed, Thurs: 5:00 – 5:20pm, or by appointment

**Prerequisite:** It is **recommended** that you have a strong background in Arithmetic and Pre-Algebra.

**Required Materials**

1. ***Beginning and Intermediate Algebra*** by Bittenger, Ellenbogen, and Johnson (Custom Edition)

Available for purchase in different formats:

- USED BOOK, at the Grossmont Bookstore: \$100
- NEW BOOK, at the Grossmont Bookstore:
- EBOOK ONLINE, MyMathLab Access Code with eBook

Available at the bookstore: \$114.30

OR Online at [www.mymathlab.com](http://www.mymathlab.com): \$85.80 (on Credit Card)

COURSE ID: **vandeneinden31771** (see last page)

2. **Math 90 Lecture Notes**

Available only at the Grossmont bookstore: \$5.20

3. **Scientific Calculator** with a square root key  $\sqrt{\quad}$  is **required**. If you're not sure yours is a scientific calculator, show it to me and I will tell you. Calculators CANNOT be shared during exams/quizzes so make sure you bring your own calculator to each class, or you will have to do without one. You can check out calculators from the limited loan desk in the library on a first come, first serve basis. If you plan on taking Math 110 or possibly Math 175 and beyond, then you might want to consider buying a TI-84 Plus Graphing Calculator.

4. **Other Supplies:** Notebook, loose-leaf paper, folder/binder, ruler, pencils, highlighter, colored pencils/pens, erasers & stapler

**Overview:** Math 90 is designed to provide the student with the necessary algebra skills to be successful in Intermediate Algebra (Math103 or Math110). An introduction to the following topics is included: the vocabulary of algebra, evaluation of literal expressions, and functions. Topics covered in more depth include solving and graphing linear equations and inequalities in one and two variables; solving and graphing systems of equations in two variables; factoring; algebraic operations on polynomial, rational, and radical expressions; solving quadratics using factoring, and rational equations.

**Student Learning Outcomes:**

Each student who successfully completes this course will be able to do the following:

- Solve linear, quadratic, rational and radical equations, linear systems and linear inequalities
- Simplify and evaluate algebraic expressions
- Interpret linear equations numerically, graphically and symbolically and be able to transition between them
- Apply appropriate algebraic methods to solve word problems

**Grading:** This is a **PASS / NO PASS** course. Your grade for the course is based on:

Homework, Projects & Group work	worth 15%
Quizzes	worth 15%
5 Hourly exams (10% each)	worth 50%
Final Exam (cumulative)	worth 20%
<b>TOTAL</b>	<b>100%</b>

70 – 100 % = **Pass**

Below 70% = **No Pass**

**You can NOT PASS this class without taking the final exam!**

**Homework:** Math is a subject learned by *doing* not watching. Therefore *working math problems in and outside class* is very important to YOUR SUCCESS in Math 90. The math problems you do on homework assignments will prepare you for exams and quizzes, so if you are having difficulty with ANY homework assignment, please ASK QUESTIONS, come to my office hours for help or get tutored in the Math Study Center (70-112/113) or in the Tutoring Center (70-202).

We are all here to help you succeed!

- Homework will be assigned daily.
- I expect you to attempt all assigned homework before the next class meeting.
- I will answer your homework questions at the beginning of each class.
- Your lowest homework score will be dropped

**YOU CAN CHOOSE HOW YOU DO HOMEWORK:**

a. **TEXTBOOK:** Using pencil and paper, turn in homework packet in class on the exam day. SEE INSTRUCTIONS BELOW.

OR

b. **ONLINE:** Using MyMathLab online homework software, assignments are due on the exam day. SEE LAST PAGE FOR HOW TO REGISTER IN MYMATHLAB.

**TEXTBOOK HOMEWORK:**

- Homework will be collected, so use loose-leaf paper NOT your notebook or notes.
- Start each new section of homework at the TOP of a NEW sheet of paper. LABEL each section clearly. Write the Section number and assigned problems at the TOP of the page (ex. Section 2.1, 1-73 EOO).
- SHOW ALL WORK. Since all the answers are in the back of the textbook, copying down just the **answers alone will NOT receive credit.** That means: NO WORK = 0 POINTS
- Work problems in pencil, staple your work, and don't turn in paper with a jagged edge.
- Your packet of homework will be due on the day of each exam. The packet should contain all sections of homework covered on the exam, in order. For example, on the day of Exam 1, all 7 sections of homework (2.1 thru 2.7) from Chapter 2 are due.
- I will collect each homework packet **at the beginning of class on EXAM DAY.**
- **NO LATE HOMEWORK WILL BE ACCEPTED.**

**Extra Math Workshops** Throughout the semester, the Math Study Center will offer free workshops for Math 90 students. Topics include: fractions, word problems, lines, systems of equations, factoring, rational expressions, radicals and a review for the final exam. More info to come!

**Quizzes:** Weekly 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! Calculators cannot be shared. If you miss a quiz, you will receive a zero for it. **Make-up quizzes will NOT be given.** *Your lowest 2 quiz scores will be dropped.* No cell-phones will be allowed on quizzes.

**Exams:** There will be 5 in-class exams and a cumulative Final Exam. **No exams will be dropped. Again, 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** (within 24 hours) if a conflict arises.

No cell-phones, notes or books will be allowed on exams.

**Final Exam:** The final is **MANDATORY** and **CUMULATIVE** and will be given

**Wednesday, May 28, 1:45 PM – 3:45 PM, Room 553**

You can NOT PASS this class without taking the final exam!

**Attendance:** Regular attendance is required. Bring your workbook and calculator to every class. **You can be dropped from the class for having more than 2 unexcused absences.** Late arrival and early departure from class may 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**, any schedule changes or class announcements.

The last day to drop this class with a “W” recorded is **April 25**. It is YOUR responsibility to drop the class by this date if you choose to do so. After this date, anyone still enrolled in the class will receive a Pass or No Pass (P or NP) at the end of the semester.

**Classroom Conduct:** Class time is valuable. 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. **During class, all phones, music players, and other distracting electronic devices must be turned off or put in silent mode AND put away.** **Absolutely NO CELL PHONE USE, WEB SURFING or TEXTING is allowed in class!** If you are disruptive in class (after being warned), you could be suspended from the course for up to 2 days. If you use a cellphone, smartphone, iPad, iPod or any other **unapproved device** during an in-class quiz or exam, you will **earn ZERO POINTS on that assessment**, which will adversely affect your grade in the course.

**Comments about another's race, ethnicity, accent, appearance, intelligence, or sexual orientation will not be tolerated on any level.**

Please see the Grossmont College Catalog for a full statement of the Student Code of Conduct.

**Academic Integrity:** All work that you complete in this class should be your own. The use of unauthorized materials, communication with other students during an exam, attempting to benefit from the work of another student, allowing a student to copy your work and similar behaviors that defeat the intent of an assignment/exam/quiz is unacceptable.

It is the responsibility of each student to understand the actions and behaviors that constitute academic dishonesty, including plagiarism and cheating, within each class as well as other venues on campus. Students are encouraged to ask questions of instructors and are expected to read the college's statement on Academic Fraud (located in the class schedule). Penalties for actions inconsistent with classroom, library and College expectations for academic integrity range from a failing grade on an assignment, quiz, exam, paper, or project (which may lead to a failing grade in the course) to, under certain conditions, suspension, or expulsion from a class, program, or the college. For more information and/or further clarification, please consult with your instructor or contact the Student Affairs Office.

**Students w/ Disabilities** Students with disabilities who need accommodations in this class are encouraged to notify the instructor and contact Disabled Student Programs and Services (DSP&S) **early in the semester** so that reasonable accommodations may be implemented as soon as possible. Students may contact DSP&S in person in building 60, room 120 or by phone (619) 644-7112 (voice) or (619) 644-7119 (TTY for deaf). <http://www.grossmont.edu/dsps/>

**Math Study Center:** The MSC (rooms 70-112 & 70-113) is centrally located on the first floor of the Tech Mall (connected to the LRC/Library). They provide math tutoring on a walk-in basis. The MSC is a great place to work on homework, study for a math exam and/or work on schoolwork from another class. Computers are available for educational use.

<b>Math 88/90 Tutoring in Room 113:</b>	<b>Mon-Thurs</b>	<b>12 pm – 6 pm</b>
General Math Tutoring in Room 112:	Mon-Thurs	8 am – 9 pm
	Fri	8 am – 3 pm

Call (619) 644-7706 for further information.

**Tutoring Center:** One-on-one tutoring is available in the Tutoring Center located on the 2<sup>nd</sup> floor of the Tech Mall in room 70-202. All Grossmont College students may receive free tutoring for many subjects they are enrolled in at Grossmont. Tutoring is by appointment only. Students are allowed up to 2 hours of tutoring a week per subject, with a maximum of 5 hours per week. Appointments are scheduled in advance and the Tutoring Center is open Monday through Friday. Call (619) 644-7387 for their current hours.

### Supervised Tutoring Referral

1. Students requiring additional help or resources to achieve the stated learning outcomes for MATH 090 are referred to enroll in **IDS 198: Supervised Tutoring - Math**, for assistance in the Math Study Center (70-112). The department will provide Add Codes.
2. IDS 198 is a **non-credit/non-fee** course.

**TIPS FOR SUCCESS:**

1. Keep a positive attitude!
2. Get to class on time, every day.
3. Bring your syllabus, pencil, book, notes and calculator to every class.
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 **Room 70-112**  
– the **Tutoring Center** is in **Room 70-202**

<b>Important</b>	February 7:	Last day to drop without a “W” (and for refund)
<b>Dates</b>	February 17:	Holiday
	April 14 – 18:	Spring Break
	April 25:	Last day to drop classes with a “W”
	May 26:	Holiday
	May 29:	Final Exam 1:45 PM – 3:45 PM, Room 553

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

## Math 90

## Spring 2014 Tentative Schedule

[Any changes to this schedule will be announced in class]

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1 1/27 – 1/31	Intro., 2.1		2.2, 2.3		
Week 2 2/3 – 2/7	2.4, 2.5		2.5, 2.6		Last day to add or drop w/out W
Week 3 2/10 – 2/14	2.7, Review		<b>Exam 1</b> 3.1, 3.2 after exam		<i>HOLIDAY</i>
Week 4 2/17 – 2/21	<i>HOLIDAY</i>		3.3, 3.4, 3.5		
Week 5 2/24 – 2/28	3.6, 3.7		Barbie Bungee, 4.1		
Week 6 3/3 – 3/7	4.2, 4.3		4.4, 10.3		
Week 7 3/10 – 3/14	5.1, Review		<b>EXAM 2</b> 5.2 after exam		
Week 8 3/17 – 3/21	5.3, 5.4		5.5, 5.6		
Week 9 3/24 – 3/28	5.7, 5.8		6.1, Review		
Week 10 3/31 – 4/4	<b>EXAM 3</b> 6.2 after exam		6.2, 6.3		
Week 11 4/7 – 4/11	6.4, 6.5		6.6, 6.7		
Spring Break 4/14 – 4/18	<i>Spring Break</i>	<i>Spring Break</i>	<i>Spring Break</i>	<i>Spring Break</i>	<i>Spring Break</i>
Week 12 4/21 – 4/25	6.8		7.1, Review		Last day to drop, with “W”
Week 13 4/28 – 5/2	<b>EXAM 4</b> 7.2 after exam		7.3, 7.4		
Week 14 5/5 – 5/9	7.4, 7.6		8.1, 8.2		
Week 15 5/12 – 5/16	12.1, Review		<b>EXAM 5</b> 12.3 after exam		
Week 16 5/19 – 5/23	12.3, Review for Final Exam		Review for Final Exam		
Week 17 Finals Week 5/26 – 5/30	<i>HOLIDAY</i>		<b>FINAL EXAM</b> <b>1:45 – 3:45PM</b>		

Textbook: *Beginning and Intermediate Algebra* by Bittenger, Ellenbogen, and Johnson (Custom Edition)**FINAL EXAM: Wednesday, May 28, 1:45 PM – 3:45 PM, Room 553**

## Math 90 TEXTBOOK Homework

**Textbook:** *Beginning and Intermediate Algebra by Bittenger, Ellenbogen, and Johnson* (Custom Edition)

**odd:** skip even numbers: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, ...

**EOO:** Every **O**ther **O**dd: 1, 5, 9, 13, 17, 21, 25, 29, 33, 37, 41, 45, 49, 53, 57, 61, 65, 69, 73, 77, 81, 85, ...

<u>Section</u>	<u>Homework</u>
2.1 (p.83 – 84)	1 – 73 (EOO)
2.2 (p.91 – 92)	1 – 77 (EOO)
2.3 (p.97 – 98)	1, 3, 7 – 27 (odd), 31 – 37 (odd)
2.4 (p.104 – 107)	1 – 41 (EOO), 45 – 61 (odd), 65, 69, 73
2.5 (p. 116 – 119)	1 – 7 (odd), 13, 15, 17, 21, 25, 27, 31, 35, 37, 41, 43, 47
2.6 (p.128 – 129)	1 – 81 (EOO), 91, 93, 95
2.7 (p.135)	1 – 21 (EOO), 23 – 29 (odd)
3.1 (p.154 – 156)	5, 13, 17, 19, 21, 23, 27, 29, 31, 35, 41 – 51 (odd)
3.2 (p.165 – 166)	1 – 49 (EOO), 57
3.3 (p.173 – 175)	1 – 4 (all), 9 – 37 (EOO), 45, 53, 59, 63, 71, 73, 75
3.4 (p.179 – 181)	1 – 17 (EOO), 29, 31
3.5 (p.190 – 195)	1 – 61 (EOO)
3.6 (p.203 – 205)	1 – 73 (EOO), 75, 77
3.7 (p.213 – 215)	1 – 37 (EOO), 39, 41, 47, 49, 55, 57, 59, 79 – 85 (odd)
4.1 (p.237)	1 – 8 (all), 9, 11, 17, 19, 21, 33, 35
4.2 (p.244 – 245)	1 – 4 (all), 5, 9, 15, 17, 21, 33, 37, 39, 43, 47
4.3 (p.252)	1 – 5 (all), 13, 15, 19, 21, 27, 29, 33, 35, 37, 41
4.4 (p.265 – 268)	1 – 7 (odd), 11, 15, 21, 23, 25, 45
10.3 (p.656)	9 – 25 (EOO), 39 – 49 (odd)
5.1 (p.292 – 293)	1 – 85 (EOO)
5.2 (p.300 – 301)	1 – 113 (EOO)
5.3 (p.308 – 309)	1 – 25 (EOO), 27, 29 – 61 (EOO)
5.4 (p.317 – 318)	1 – 53 (EOO)
5.5 (p.325)	1 – 65 (EOO)
5.6 (p.334)	1 – 65 (EOO), 67, 75
5.7 (p.342 – 343)	9, 13, 21 – 35 (odd), 45, 49, 55, 59, 61
5.8 (p.350 – 351)	1 – 29 (odd), 37
6.1 (p.368 – 369)	17 – 59 (odd)
6.2 (p.375)	7 – 41 (odd), 55, 59, 61
6.3 (p.385)	5 – 39 (odd), 57
6.4 (p.392 – 393)	1 – 65 (EOO), 71, 73, 79
6.5 (p.397)	1 – 25 (EOO)
6.6 (p.401 – 402)	1 – 49 (EOO)
6.7 (p.409 – 410)	1 – 5 (all), 9, 19, 21 – 53 (EOO)
6.8 (p.420 – 423)	1, 3, 9, 11, 13, 19, 27, 31, 35, 37
7.1 (p.439 – 440)	1 – 45 (EOO), 47, 49
7.2 (p.444 – 445)	1 – 65 (EOO)
7.3 (p.453)	1 – 57 (EOO)
7.4 (p.460 – 461)	1 – 45 (EOO), 53, 55, 61
7.6 (p.475)	1 – 29 (EOO), 31
8.1 (p.508 – 510)	1 – 8 (all), 9 – 25 (EOO), 31, 35 – 45 (odd)
8.2 (p.519 – 520)	7 – 35 (odd)
12.1 (p.729)	9 – 33 (odd), 37, 69, 77, 85
12.3 (p.745 – 746)	7, 9, 13, 27 – 35 (odd), 47, 59

## MyLab & Mastering Student Registration Instructions



PEARSON

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### To register for Math 90, Spring 2014:

1. Go to [pearsonmylabandmastering.com](http://pearsonmylabandmastering.com).
2. Under Register, click **Student**.
3. Enter your instructor's course ID: [vandeneynden31771](#), and click **Continue**.
4. Sign in with an existing Pearson account or create an account:
  - If you have used a Pearson website (for example, MyITLab, Mastering, MyMathLab, or MyPsychLab), enter your Pearson username and password. Click **Sign in**.
  - If you do not have a Pearson account, click **Create**. Write down your new Pearson username and password to help you remember them.
5. Select an option to access your instructor's online course:
  - Use the access code that came with your textbook or that you purchased separately from the bookstore.
  - Buy access using a credit card or PayPal.
  - If available, get 14 days of temporary access. (Look for a link near the bottom of the page.)
6. Click **Go To Your Course** on the Confirmation page. Under MyLab & Mastering New Design on the left, click **Math 90, Spring 2014** to start your work.

### Retaking or continuing a course?

If you are retaking this course or enrolling in another course with the same book, be sure to use your existing Pearson username and password. You will not need to pay again.

### To sign in later:

1. Go to [pearsonmylabandmastering.com](http://pearsonmylabandmastering.com).
2. Click **Sign in**.
3. Enter your Pearson account username and password. Click **Sign in**.
4. Under MyLab & Mastering New Design on the left, click **Math 90, Spring 2014** to start your work.

### Additional Information

See **Students > Get Started** on the website for detailed instructions on registering with an access code, credit card, PayPal, or temporary access.