

**Syllabus – Spring 2016**  
**Intermediate Algebra Course #51144**

**Instructor:** C. Montgomery  
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**Office Location:** FEM 1G/Math Center  
**Office Hours:** M-TH, 10:00 -10:50AM  
**Online Hours via Email:** F, 10:00- 10:50 AM

**Course Description:** This course will deal with many algebraic concepts, including equations and inequalities in two variables, rational exponents and roots, quadratic functions, exponential and logarithmic functions, and conic sections.

**Mandatory Meetings**

**A PHOTO ID IS REQUIRED FOR EACH MEETING.**

**ORIENTATION: MONDAY 1/11/2016 from 6-8pm in room FEM 7**

**TEST #1: TUESDAY 2/23/2016 from 6-8pm in room FEM 7**

**TEST #2: TUESDAY 4/19/2016 from 6-8pm in room FEM 7**

**FINAL/TEST #3: TUESDAY 5/17/2016 from 6-8pm in room FEM 1 (MATH CENTER)**

**Mandatory Access Code:**

All of the homework for this class will be done on a website called **MyMathLab** (Pearson Publishing) for which you will need an access code. You can buy either the bundled textbook (which includes the textbook and access code for MyMathLab) or access code by itself at the Reedley College Bookstore. You may also purchase the access code directly through MyMathLab at their website [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com)

**You will need a credit card or a PayPal Account for this option. The course ID you will need to register on MyMathLab is montgomery76668.** More information on how to register will be discussed at the orientation.

**IF YOU DO NOT ALREADY HAVE A PEARSON ACCOUNT SETTING WHEN YOU REGISTER MYMATHLAB, USE YOUR 7-DIGIT REEDLEY COLLEGE STUDENT ID AS YOUR USERNAME (i.e. 0123456).**

**YOU MUST BE REGISTERED ON MYMATHLAB BY THE END OF THE DAY ON WEDNESDAY JANUARY 13<sup>TH</sup> OR YOU MAY BE DROPPED! IF YOU ARE USING THE TEMPORARY ACCESS CODE, PAY FOR IT BEFORE IT EXPIRES OR YOU WILL BE DROPPED FROM THE COURSE.**

**Optional Text:** Elementary & Intermediate Algebra, **4<sup>th</sup> Edition**, by George Woodbury



**Required Course Materials:**

- MyMathLab Access Code**, this includes an e-book but does not include a physical paper book. A physical paper book is not required.
- Access to a computer with high speed internet**, dial up speed is impractical for this online program. The web browser must support and have the latest versions of Java and Adobe Flash installed. The MyMathLab Website has a browser check that you can run after to register that will check these for you and will link you to any plug-ins you are missing.
- A **non-graphing scientific calculator**, my personal favorite is the TI-30XIIS, but any will work. Phones & graphing calculators may not be used on exams.



- Binder Paper & Graph Paper that will fit in your three-ring binder, pencil, eraser, etc.
- Lots of determination and time.

**BLACKBOARD:** This course will utilize blackboard for lecture notes, practice tests, announcements, handouts, assignments, etc. You can access blackboard from the Reedley College homepage or at <http://blackboard.reedleycollege.edu> . Your login and password to blackboard is as follows:

**Example:** Student John Smith was born on December 25, 1997 and has a student ID number of 0123456. John's student login information would be:

**Username** is your RC Email; Student ID#@ **my.scccd.edu**: [0123456@my.scccd.edu](mailto:0123456@my.scccd.edu)

**Password** is First name initial (upper case) + last name initial (lowercase) + date of birth (mmddy): **Js122597**

**PREREQUISITES:** Completion of Beginning Algebra (Math 101) or equivalent with grade of "C" or higher

**Advisories:** Eligibility for English 126

**GRADING:** Tests are worth 65% of your grade. Tests cannot be made up. **Your grade can be found on the MyMathLab Website:** At the end of the semester your points will be totaled your final grade will be computed as follows:

| Assignment/Exam | Percent | Grading Scale: | Grade | Percent  |
|-----------------|---------|----------------|-------|----------|
| Tests           | 65%     |                | A     | 90 -100  |
| Homework Points | 25%     |                | B     | 80 - 89  |
| Quizzes         | 10%     |                | C     | 70 - 79  |
|                 |         |                | D     | 60 - 69  |
|                 |         |                | F     | Below 60 |

**CHAPTER QUIZZES:** You will have an online quiz at the end of each chapter. You may take the quiz up to three times. I will take use the quiz with the highest score for your grade. You will submit a handwritten copy of the quiz with the highest score on graph paper. You must have all the questions written out and all work shown. The handwritten quiz should be placed in your homework binder after the last homework assignment for each chapter. Your tests will contain problems very similar to the quiz problems, they will be a good tool for reviewing for each test.

**HOMEWORK:** A 3-Ring Binder Containing Your Homework & Quizzes (for sections covered on the exam) Will Be Collected the Day of Each Test at the Beginning of Class.

- 1. Online homework due dates are listed on MyMathLab. All online homework** must also be handwritten with all work shown. Handwritten homework will collected in your binder at the beginning of each test and graded for completeness, neatness, organization (**all assignments must be in the order which they were assigned**), graphs must be on graph paper and labeled appropriately. **Late online homework will only be accepted up to a certain date. You can check dates on MyMathLab. If late homework is accepted, the penalty is a 20% point reduction.**
- 2. The 3-ring binder containing your handwritten homework and quizzes for all the materials the exam includes will be due at the beginning of class the day of your test.**
- 3. If you have technical issues such as how do I enter the solution you can contact MyMathLab tech support at 1- 800-677-6337, 844-282-7016 or live support online at the MyMathLab website.**
- 4. If you need help with the homework, I will have a virtual office hour via Email on Friday from 11-11:50, or you can call me daily from 11-11:50 during my office hour. Please send me a link to the problem via MyMathLab "Ask My Instructor", before you call me to help you with a problem, so that I can view the problem.**

## TESTS:

- A) **Makeup Tests will not be given.** With the instructor's permission, you may be able to take an exam early.
- B) **Non-graphing calculators are allowed on all tests.**
- C) Cheating on an exam may result in an F in the course or an F on the exam depending on the severity of the offense. **Talking to other students or cell phone use during an exam will be considered cheating.**

**For details of the college policy in regard to plagiarism or cheating, see page 52 of the catalog.**

## EXPECTED BEHAVIOR AND ATTENDANCE:

1. **After 3 consecutive incomplete (score of less than 70%) MyMathLab homework assignments, you may be dropped from the course.** Please notify me if you are going to be offline for more than three days. Absences will not be excused under almost any circumstance. If you miss a test, you may be dropped. If you wish to drop the course, it is your responsibility to do so. You must turn a completed "change of program" form into the Reedley College Attendance Office to drop the class.
2. You can be dropped from the class or asked to leave for any of the following behaviors
  - A) Any behavior that is disrespectful of fellow students or the instructor.
  - B) Talking while I am talking and/or any distracting behavior.
  - C) Leaving class early without prior instructor notification.
  - D) Excessive tardiness
  - E) **Use of a cell phone or any electronic device other than a calculator in class will not be allowed!** Turn it off and put it away before entering class.

## HOW TO APPROACH ONLINE LEARNING:

1A) Print out the lecture notes for the section on Blackboard, or save an electronic copy. The examples in the lecture notes will closely resemble your homework assignment. Go into Blackboard and watch the video of the in-class lecture for the section you are working on taking notes as if you were in class. Then work the homework problems on MyMathLab.

1B) Watch the video(s) of the on MyMathLab for the section you are working on. Look at the examples in the book and try to work those problems similar to the problems in the lecture notes on Blackboard.

3) Work the online assignment. Work each problem out neatly on paper. Be sure to use graph paper for graphing assignments. For any homework assignment you can use Help Button in the upper right hand corner of each assignment. The drop down menu will include tools such as "View an Example" to view how a like problem is worked, "Help Me Solve This" which will work your problem for you, but give you a new version of the problem to complete, as well as links to the text book, videos for some problems, and an Email link to me, "Ask your Instructor". You have not mastered any problem you had to use the Help Button with. You need to go back and see if you can work the problem on another on piece of paper without any aides. The Help button will not be available for any of the end of chapter quizzes! You will be allowed three chances to take the quiz, and I will take your highest score.

4) If you get stuck on a problem you can, go back and watch the video, look for a similar problem in the text or use the online tutor on Blackboard (available 24/7). Email me via the "ask my instructor" link on MyMathLab that appears on the top right corner of each homework problem, then call me during my office hours if you do not receive a response in a day. If possible, come see me during my office hour or seek help in the Math Center in FEM 1 (9AM-3PM M-TH, 9AM-1PM F) or Tutorial Center in the Library.

**SPECIAL NEEDS REQUESTS:** If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

**Academic Dishonesty:** Students at Reedley College are entitled to the best education that the college can make available to them, and they, their instructors, and their fellow students share the responsibility to ensure that this education is honestly attained. Because cheating, plagiarism, and collusion in dishonest activities erode the integrity of the college, each student is expected to exert an entirely honest effort in all academic endeavors. Academic dishonesty in any form is a very serious offense and will incur serious consequences ranging from a failing grade on a specific assignment to a failing grade in the course.

### **Important Dates & Holidays:**

|                       |        |   |
|-----------------------|--------|---|
| January 11            | (M)    | Spring 2016 instruction begins  |
| January 11 - March 11 | (M-F)  | Spring 2016 short-term classes, first nine weeks  |
| January 18            | (M)    | Martin Luther King, Jr. Day observed (no classes held, campus closed)                   |
| January 22            | (F)    | Last day to request an Enrollment Fee Refund  |
| January 29            | (F)    | Last day to add a full-term class for Spring 2016                                       |
| January 29            | (F)    | Last day to drop a full-term class to avoid a "W" (in person) for Spring 2016           |
| January 31            | (SU)   | Last day to drop a full-term class to avoid a "W" (on WebAdvisor) for Spring 2016       |
| February 5            | (F)    | Last day to change a class to/from a Pass/No-Pass grading basis                         |
| February 12           | (F)    | Lincoln Day observed (no classes held, campus closed)                                   |
| February 15           | (M)    | Washington Day observed (no classes held, campus closed)                                |
| March 11              | (F)    | Last day to drop a full-term class (in person) (letter grades assigned after this date) |
| March 14 - May 20     | (M-F)  | Spring 2016 short-term classes, second nine weeks                                       |
| March 21-24           | (M-Th) | Spring Recess (no classes, campus open)   |
| March 25              | (F)    | Deadline to file Intent to Graduate via WebAdvisor                                      |
| March 25              | (F)    | Spring Holiday observed (no classes, campus closed, classes reconvene March 28)         |
| May 16-20             | (M-F)  | Spring 2016 final exams week  |
| May 20                | (F)    | End of spring semester/commencement   |

**Final for this class will be held in FEM 1 (The Math Center) - Tuesday, May 17<sup>th</sup> from 6:00-7:50 P.M.**

**COURSE OBJECTIVES:** THROUGHOUT THE COURSE STUDENTS WILL BE WORKING WITH EQUATIONS OF LINES, LINEAR INEQUALITIES AS WELL AS OPERATIONS ON FUNCTIONS. YOU WILL ALSO WORK WITH PERFORMING OPERATIONS ON AND SIMPLIFICATION OF COMPLEX AND RADICAL EXPRESSIONS. SOLVING AND GRAPHING QUADRATIC EQUATIONS WILL BE COVERED EXTENSIVELY. WE SHALL ALSO EXPLORE THE USE AND APPLICATIONS OF LOGARITHMS AND EXPONENTIAL FORMS AND EQUATIONS AS WELL AS GRAPHING CONIC SECTIONS. IF TIME PERMITS SEQUENCES AND THE BINOMIAL EXPANSION WILL ALSO BE COVERED.

### **COURSE OUTLINE OF TOPICS**

WEEKS 1-3: CHAPTER-SECTIONS 8.1,8.2, 6.1-4,8.3-4; REVIEW OF SOLVING EQUATIONS AND FACTORING, EQUATIONS, FUNCTIONS AND INEQUALITIES WITH ABSOLUTE VALUE, GRAPHING LINEAR AND ABSOLUTE VALUE FUNCTIONS.

WEEKS 4-7: CHAPTER-SECTIONS 9.1, 5.1-2 REVIEW, 9.2-6; RADICALS AND COMPLEX NUMBERS, REVIEW OF LAWS AND PROPERTIES OF EXPONENTS, RATIONAL EXPONENTS, RADICAL EQUATIONS AND THEIR APPLICATIONS.

WEEKS 8-10: CHAPTER-SECTIONS 10.1-6; QUADRATICS AND THEIR GRAPHS.

WEEKS 11-12: CHAPTER-SECTIONS 11.1-11.6; REVIEW OF FUNCTIONS AND THEIR GRAPHS. ALGEBRA OF FUNCTIONS AND INVERSE FUNCTIONS.

WEEKS 13-14: CHAPTER-SECTIONS 12.1-12.6; EXPONENTIAL & LOGARITHMIC FUNCTIONS

WEEKS 15-17: CHAPTER-SECTIONS 13.1-13.4 (14.1 & 14.4); GRAPHS OF CONICS, BINOMIAL THEOREM AND SEQUENCES IF TIME PERMITS, REVIEW FOR FINAL.

WEEK 18: FINAL

**THIS SYLLABUS IS SUBJECT TO CHANGE AT THE INSTRUCTOR'S DISCRETION**

