

MAT 092 - Introductory Algebra - SYLLABUS - Spring 2012 Internet sections 29823 & 29824

Mesa Community College at Red Mountain

CLASS MEETINGS: All work is done online except four on-campus proctored exams

INSTRUCTOR: Ms Raye Rush **EMAIL:** rayerush@mesacc.edu **WEBPAGE:** www.mc.maricopa.edu/~rayerush

COURSE DESCRIPTION: Solving and graphing linear equations and inequalities; systems of equations; function notation; properties of exponents and operations on polynomials; applications. (3 credits, 3 periods)

PREREQUISITE: "C" or better in MAT082, or 102, or equivalent, or satisfactory score on District placement exam.

TO PASS any mathematics class, it is necessary to have a strong understanding of prerequisite material. Following are some options to improve any weak area:

1. Mesa Community College provides a FREE web site: <http://www.mc.maricopa.edu/dept/d25/mat082/>
2. Arizona Department of Education provides a FREE web site: www.ade.state.az.us/sa/sdi/Pandemic_Curriculum/
3. ALEKS, the placement test provider, for \$30 provides a personalized evaluation and 6 week's access to a learning module customized to your needs: <http://www.aleks.com/>

TEXT: The text is available online, purchasing a printed copy is optional: "Introductory & Intermediate Algebra for College Students" or the separate "Introductory Algebra for College Students", by Robert Blitzer.

CALCULATOR is optional. A scientific calculator may be used for proctored tests (NOT a graphing calculator).

COMPUTER: All course work is done on the computer using software that is accessed by registering with coursecompass online. You can install the necessary software on your own computer, or you can use campus library computers (bring earphones to listen to the audio). See **Getting Started** on the next page for details.

ATTENDANCE is monitored by your work on the computer. Students not actively participating in the class at the end of week 6 **will be withdrawn** from the class. You are actively participating if you are up to date with the work as shown on the Calendar. If you stop participating later in the semester and do not initiate a withdrawal yourself, you will receive a letter grade for the class.

COMMUNICATION with Instructor: Use Email to ask the instructor questions. The subject line must begin with **092 followed by your last name**, otherwise your email will not be received. Important course information will be posted under the online course "Announcements". Individual messages will be sent to the email address you give when registering with Course Compass.

HOMEWORK: 155 points are from Homework. HW section numbers on the Calendar indicate what you should be working on by that day. You must complete at least **50%** of each Homework section before taking that chapter's Quiz. You may continue to work on Homework until the end of semester deadline shown on the Calendar.

QUIZZES: 125 points are from timed chapter Quizzes. A quiz score of at least **50%** is required to take that chapter's Test. You may retake quizzes as many times as you want until the semester deadline. Only the best score counts in your overall score.

TESTS: 200 points are from three tests taken on your own, you may consult your notes or other written material for these tests. **520 points** are from four on-campus 50 minute proctored tests, no notes or written material may be used for proctored tests. Tests may be taken only once, and can be taken any time until the end of semester deadline.

EXTRA CREDIT: You will earn 10% of your test score for any chapter test taken on or before the day shown on the Calendar.

FINAL EXAM: An **optional** cumulative final exam may be taken as a proctored test. If it improves your grade, your final exam score will be your semester grade, otherwise it will have no effect.

PROCTORED TESTS may be taken at the Red Mountain campus Testing Center any time they are open during the "walk-in testing" period shown on the Calendar; or during the end of semester scheduled Red Mountain classroom time; or you can arrange with me to take tests at an alternate time or place, See **Other Arrangements** on the next page for details.

YOUR GRADE will be determined by one of the following methods, whichever gives the highest grade.

1. By **TOTAL POINTS: 900** points is an **A**, **800** is a **B**, **700** is a **C**, **550** is a **D**, less than 550 is an **F**.
2. By **FINAL EXAM SCORE: 90%** is an **A**, **80%** is a **B**, **70%** is a **C**, **55%** is a **D**, less than 55% is an **F**.

Course content and policies may be changed by online announcements

COURSE OBJECTIVES:

1. Solve linear equations.
2. Graph linear functions given data tables or an equation.
3. Determine and interpret the domain and range of a function given its graph
4. Determine and interpret the slope and intercepts of a linear equation or function.
5. Determine and explain the relationship between the slopes of perpendicular and parallel lines.
6. Given sufficient information or data, write a linear equation.
7. Use function notation to represent and evaluate linear relationships.
8. Solve linear inequalities and graph solutions on the real number line and on the coordinate plane.
9. Solve linear systems in two variables by graphing, substitution, and elimination methods.
10. Simplify polynomial expressions.
11. Perform operations on polynomials (add, subtract, multiply, divide, powers).
12. Model and solve real-world problems using linear equations, proportions and systems of linear equations.

GETTING STARTED - Online Registration Details

To take a Math course using MyMathLab

This course uses software provided by the text book publisher, Pearson - Prentice Hall, for all the homework, quizzes, and tests. You must register online with the publisher to use the software. An email address, the school's zip code, and two different identification numbers are required to do this.

1. Required data.

- You can get an email account from MCC if you do not have one.
- The zip code for the MCC Red Mountain campus is **85207**.
- The **course ID number** is **rush59955** for my fall 2012 MAT092 internet sections 29823 and 29824.
- An **access code** is given in a MyLab Access Kit which can be purchased from the bookstore for about \$95, or from the publisher when you go online to register for about \$80. If you cannot pay for the access code now, you can register for a 17 day temporary access. After the 17 days you will not have access again until you pay.
- **If you bought an access code last semester** for a class with the same text, you do not need to buy a new access code. Register again for a new section, and click Yes that you already have a Pearson account.

2. Register with the publisher to access the online course material.

Go to <http://www.pearsonmylab.com> and click the Register button under the Students section. Follow the instructions. To use the course material after you have registered, go to the same site and log in using the login name and password that you set when you registered.

3. Install the plug-ins required to use the online course material.

If you are using your own computer, follow the online MyLab "Installation Wizard" directions. If you need help, call the Pearson tech support: **1-800-677-6337** Mon-Fri 5am-5pm. You also need the **latest** Flash Player from <http://get.adobe.com/flashplayer/>. Versions of the Flash Player prior to **10.1** will not work.

4. Explore the online course material .

"**ISTRUCTIONS**" gives access to the Syllabus and course Calendar, READ this information!

"**Chapter Contents**" gives access to the online text, online tutoring, and help in using the online math software.

"**DO HOMEWORK**" is used to find all available homework problems.

"**TAKE A QUIZ or TEST**" is used for chapter Quiz and Test homework, and for proctored Tests.

"**GRADEBOOK**" gives your current grade information.

ON CAMPUS TESTS

You will be required to show a **photo ID** to take an on campus test.

WHERE TO TAKE TESTS: Unless other arrangements have been approved, the tests are taken in the Library, in the Desert Willow building, on the MCC Red Mountain campus. The Testing Center is upstairs in the far right corner, room DW-133 is downstairs in the near left corner. The Red Mountain campus is at the northeast corner of Power road and McKellips in east Mesa. We are located behind the Target store. There is an entrance from Power, north of Target, and one from McKellips, east of Power. Here is a [MapQuest Map](#). The Red Mountain campus is a small campus with ample parking.

WHEN TO TAKE TESTS: From February 4 through April 28, you can take tests in the Red Mountain Testing Center Monday-Thursday 7:30am-8:30pm, Friday 7:30am-4:00pm, and Saturday 10:00am-2:00pm. On Saturday, May 5, testing will be from 10am to 2pm in classroom DW-133. Allow an hour for each chapter test, 2 hours for the optional Final.

OTHER ARRANGEMENTS

If you take a test at Red Mountain, you can take it on the computer the same way you take tests on your own. If you take a test on another campus, an equivalent paper and pencil test will be provided if necessary.

On the RED MOUNTAIN campus: Let me know at least a few days before the test to make arrangements other than those scheduled.

On the SOUTHERN & DOBSON campus: A limited number of students can take the exams in the Testing Center. You must let me know at least 2 weeks before the exam to make this arrangement.

At ANOTHER COLLEGE: You may be able to use the testing center of a college near you. They may charge you for proctoring and mailing costs. You must send me the following information three or more weeks before the test: 1) the name and mailing address of the institution; 2) the name, job title, telephone number, and email address of the testing center supervisor or administrator.

STUDENT RESPONSIBILITY: It is the student's responsibility to know: a) the college policies included in the college catalog and the student handbook, b) the contents of this syllabus, c) announcements made in class and posted online.

COLLEGE ANNOUNCEMENTS: Students should exhibit the qualities of **honesty and integrity**. Any form of dishonesty, cheating, fabrication, facilitation of academic dishonesty, and plagiarism will make you subject to disciplinary action. The college will make reasonable accommodations for persons with documented **disabilities**. Students should notify Disability Resources and Services (Special Services) and their instructors of any special needs.