

**MAT 092 - Introductory Algebra - SYLLABUS - Fall 2009** Internet sections 25297 25305

**Mesa Community College at Red Mountain**

**CLASS MEETINGS:** All work is done online except for the on-campus proctored Midterm and Final Exams

**INSTRUCTOR:** Ms Raye Rush **PHONE:** 480-654-7789 **EMAIL:** rayerush@mesacc.edu

**OFFICE:** S-254 **WEBPAGE:** www.mc.maricopa.edu/~rayerush **OFFICE HOURS:** MWF 9:00-9:50am, TR by email

**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)

**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.

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

**TEXT:** "Introductory & Intermediate Algebra for College Students", by Robert Blitzer. Buying a text is optional, a copy is available online.

**CALCULATOR** is optional. Scientific calculator only is allow for proctored tests (NO graphing calculator).

**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. The instructor will post important course information under the online course "Announcements". Individual messages from the instructor will be sent to the email address you give when registering with Course Compass. **COMMUNICATION with Students:** Use the online course "Discussion Board" to meet other students and to discuss course work online.

**HOMEWORK and QUIZZES:** 15% of the grade is from homework and 15% from chapter quizzes. All homework and quizzes are done on the computer using MyMathLab. The deadline for all chapter's work is on the attached Calendar. The section numbers on the Calendar are the suggested time to complete homework to keep up with course work, however you may continue to work on all homework and retake quizzes as many times as you want until the deadline, only the highest score is counted.

**TESTS:** 20% of the grade is from five chapter tests done on your own. These can only be taken once. See the attached Calendar for chapter test deadlines.

**MIDTERM and FINAL:** 50% of the grade is from the Midterm and Final exams proctored in classroom S-282 on the Red Mountain campus. These are taken on the computer using MyMathLab however you may hand in written work instead of, or in addition to, the computer test. No notes or other help is allowed.

There is **NO MAKEUP WORK**, however you can arrange with me to take the Midterm or Final at an alternate time in the Red Mountain testing center. See **Other Arrangements** for alternate testing locations.

**GRADES** are determined by **A ≥ 90%, B ≥ 80%, C ≥ 70%, D ≥ 55%, F < 55%**.

**ONLINE REGISTRATION:** The computer work 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 back for details.

**ATTENDANCE** is determined by online work. You **will be withdrawn** if: a) you have not completed the coursecompass **online registration** and begun online work by the deadline shown on the Calendar, b) by the **45th day** you are behind in the suggested work schedule and have done no online work for one week, c) at the **end of the semester** you miss the final, have not completed the semester's work, and have done no online work for the previous two weeks.

**WITHDRAWAL** after the 7th week gets a 'W' for 55% of the points (after incomplete current work gets a 0 score), a 'Y' for less. A 'Y' counts as 'F' for the GPA. If you retake a course, you can ask Student Records to only count the highest grade.

**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 posted online.

**COLLEGE ANNOUNCEMENTS:** 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. Students should exhibit the qualities of **honesty and integrity**. Any form of dishonesty, cheating, fabrication, facilitation of academic dishonesty, or plagiarism will make you subject to disciplinary action.

**Course content and policies may be changed by online announcements**

# GETTING STARTED To take a Math course using MyMathLab

## ONLINE REGISTRATION DETAILS

Mesa Community College's online and classroom hybrid mathematics courses use 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. Two different identification numbers, an email address, and your school's zip code are required to do this.

### 1. Obtain the 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**.
- An **access code** given in a Student Access Kit which comes with a new text, or can be purchased from the publisher when you go online to register with them.
- The **course ID number** for the section of the MCC course you are registered for: it is **rush64696** for my fall 2009 MAT092 internet sections **25297 and 25305**.

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

Go to <http://www.coursecompass.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 register.

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

When you gain access to the online material you will see an "Installation Wizard" tab on the left. If you are using your own computer, follow the "MyMathLab Installation Wizard" directions given there. If you need help, call the CourseCompass tech support: 1-800-677-6337.

### 4. Explore the online course material .

"Course Information" gives access to the Syllabus and classroom Lecture Notes. READ the SYLLABUS!

"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.

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

## ON CAMPUS TESTS

If you take the on campus test at Red Mountain, you can take it on the computer the same way you take the chapter quizzes using MyMathLab. If you make other arrangements an equivalent paper and pencil test will be provided.

**TO TAKE AN ON CAMPUS TEST** You will be required to show a **photo ID**. Graphing calculators are not allowed for the on campus tests, **scientific calculators** are ok.

### WHERE TO TAKE TESTS

Unless other arrangements have been approved, the tests are taken in room 282 upstairs in the Saguaro building on the MCC Red Mountain campus 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 Target. Here is a [MapQuest Map](#). The Red Mountain campus is a small campus with the new Saguaro building southeast of the original three buildings in a circle. There is ample parking around these buildings.

### WHEN TO TAKE TESTS

Unless other arrangements have been approved, the tests must be taken during the time shown on the Calendar. Arrive when the test begins to allow enough time to take the test, we will not be able to stay late.

### OTHER ARRANGEMENTS

**If you cannot take the Midterm or Final exam at the time and place scheduled. You may be able to join another of my scheduled final exams, or you can take the test in the Red Mountain Testing Center in the Library upstairs in the Desert Willow building. Their hours are Monday-Thursday 7:30am-8:30pm, Friday 7:30am-2:00pm, and Saturday 10:00am-2:00pm.**

**If you live more than an hour's drive from campus, you may be able to take the on campus tests at the testing center of a college near you. They may charge you for proctoring and mailing costs. You must provide the following information three or more weeks before the exam, and receive approval by two weeks before the exam: 1) the name and mailing address of the institution; 2) the name, job title, telephone number, fax number, and email address of the testing center supervisor or administrator. If you take the Final at another location, you must take it before finals week to allow time for grading.**

Monday	Tuesday	Wednesday	Thursday	Friday	week
Aug 24 1.1		1.2-1.3		1.4	1
31 1.5-17	Sept 1	1.8		quiz 1	2
7 LABOR DAY CAMPUS CLOSED	online registration DEADLINE	2.1		Ch. 1 TEST DEADLINE	3
14 2.2-2.3		2.4		2.5	4
21 2.6		2.7		2.8	5
28 quiz 2		3.1	Oct 1	Ch. 2 TEST DEADLINE	6
5 45th DAY 3.2		3.3 quiz 3		* 4.1-4.2	7
12 4.3		4.4-4.5		4.6	8
19 quiz 4		Midterm Review	MIDTERM (ch. 1, 2, 3, 4) 2-4pm S282	5.1	9
26 Ch. 3-4 TEST DEADLINE		5.2-5.3		quiz 5	10
Nov 2 6.1		6.2		6.3	11
9 6.4		11 VETERANS' DAY CAMPUS CLOSED		6.5 quiz 6	12
16 Ch. 5-6 TEST DEADLINE		7.1		7.2	13
23 7.3		7.4	THANKS CAMPUS	GIVING CLOSED	14
30 ** 7.5	Dec 1	7.6		7.7	15
7 7.7		quiz 7		Ch. 7 TEST DEADLINE	16
14 FINAL EXAM (ch. 5, 6, 7) 2-4pm S282	Homework and Quiz DEADLINE	NO CLASSES		GRADES DUE	17

\* October 9: last day for withdrawal without instructor signature.

\*\* November 30: last day for student initiated withdrawal.