

MAT 092 Introductory Algebra

Syllabus – Fall 2009

INSTRUCTOR: Jenifer Bohart

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Office Hours: MW 1:30 – 3:30, TTh 3:00 – 3:30, or by appointment

CLASS TIME and LOCATION:

Title	Section	Days	Time	Location	Campus
MAT092	56587	TTh	1:30PM – 2:55PM	CM460	SCC Main

OFFICIAL COURSE COMPETENCIES:

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.

PREREQUISITES: Grade of "C" or better in MAT082, or MAT102, or equivalent or satisfactory score on District placement exam.

TEXTBOOK: *Introductory Algebra, a Custom Edition for Scottsdale Community College* by Richelle M. Blair, et. al. You are expected to bring this book with you to each class session. This text comes bundled with a MyMathLab Student Access Code which you will need when registering for the online homework/quizzes.

GRAPHING CALCULATOR: A graphing calculator is required for this course. The suggested calculators include the TI-83, TI-83 plus, TI-84, and TI-84 Silver Edition. Users of other calculators will be expected to learn how to use them without SCC's help, and can expect frequent incompatibilities and frustration. Calculators with QWERTY keyboards or those which do symbolic algebra such as TI-92s, TI89s, Casio FX2 or 9970G's **may not** be used on online assignments or during class activities, quizzes or tests. You are expected to bring your graphing calculator to each class session. Your cell phone may not be used as a calculator during class.

OTHER REQUIRED MATERIALS: #2 Pencil with eraser, loose-leaf notebook paper, and graph paper. You are expected to bring these materials with you to each class session.

GRADING:	<u>Point Allocation</u>	<u>Grading Scale</u>
	20% Class Participation & Written Assignments	A 90% - 100%
	10% Online Homework	B 80% - 89%
	10% Online Quizzes	C 70% - 79%
	45% Chapter Tests (3)	D 60% - 69%
	15% Final Exam	F 0% - 59%

ATTENDANCE: Attendance will be taken every day. You are expected to be prepared, be on time, participate in group/class discussions, and stay the full length of class. Otherwise, you will be marked absent. If you have a legitimate reason to be late or leave class early, let me know before the start of class. If you have a legitimate reason to be excused from class, you need to let me know **before** the date of the excused absence. It may be possible for you to turn in that day's assignments in advance for full credit. No late assignments will be accepted, even if your absence is excused. **You** are responsible for all missed notes, concepts and assignments if you miss class. Check with your classmates for anything you may have missed. I will not spend class time going over material you have missed due to tardiness or absence. You may be withdrawn from the course after **three** unexcused absences.

PARTICIPATION, PREPARATION and BOARDWORK: This is the "in-class" component of your grade. You are expected to be prepared for each class session. Being prepared means having the proper materials with you when you arrive in class: textbook, graphing calculator, pencil, notebook paper, graph paper, and Homework Journal. You can only be a contributing member of the class if you are prepared. You are expected to put at least one problem on the board during each class period. All board work must be done neatly, correctly, and with all steps shown in clear, logical order. If you arrive in class late, leave early, or are absent, you will lose the participation points for that day. You will also lose points for not having the proper materials with you in class. Participation points cannot be made up, even if your absence is excused. At the end of the semester, your two lowest participation scores will be dropped.

WRITTEN ASSIGNMENTS: All written assignments must meet the following criteria:

- ◆ Your name and class section number printed neatly at the top of every page.
- ◆ Problems submitted in order, and pages **stapled** together in order with no frizzled or torn edges,
- ◆ All work done neatly and in PENCIL
- ◆ All work shown in clear, logical order
- ◆ All graphs and graph-related problems drawn accurately on graph paper using a straight edge.

Assignments that do not meet these criteria will receive a grade of zero. If you have questions, visit me in my office or go the Math/Science Tutoring Center **before** the assignment is due. You are responsible for completing each assignment by the due date, and having it ready to hand in at or before the beginning of that class period. No late assignments will be accepted, even if it is within the same class period. If you are not in class at the time an assignment is given/collected, you will not be able to make up that assignment.

ONLINE HOMEWORK and QUIZZES: Online homework and quizzes make up 20% of your course grade. These are located online using MyMathLab/CourseCompass, www.coursecompass.com. If you are unable to do these assignments at home, you can use the computers on the SCC campus. You may also use the computers in the Math/Science Tutoring Center CM441. You are responsible for completing each assignment by the due date. Online assignments will not be accepted after the due date has passed.

HOMEWORK JOURNAL: While working through the online homework, you are expected to keep a detailed journal of your work on each problem. Questions given in the online homework are *very* similar to those given in the online quizzes, so you will want to refer to your homework journal as you work through the quizzes. Your homework journal will also serve as a nice resource as you prepare for exams. Your homework journal will be checked regularly, so always bring it with you to class. Your work in this homework journal must meet the same criteria as all other written assignments. Be prepared to discuss/present homework problems in class.

CHAPTER TESTS: There will be 3 Chapter Tests. If you miss a test, you must make arrangements with me **on or before** the day of a test to make it up. If you do not contact me, do not expect to be able to take a make-up test. Do not wait until the next class period to request a make-up exam. All make-ups, if granted, must be **completed** before the exams are returned to the class. Otherwise, a zero will be recorded for your score. You are only allowed **one** make-up test per semester.

TEST INSURANCE: For each Chapter Test, you will be able to “buy” up to six insurance points. These points will be added directly to your test score. Insurance points are bought by spending extra time outside of class working on Math. Insurance sheets for each Test are located on the course website under Handouts.

TEST CORRECTIONS are required for each chapter test, and are counted as part of the test grade. In order to receive credit, Test Corrections must meet the following criteria:

- ◆ Every missed problem worked out correctly on **separate paper** stapled to the back of your exam.
- ◆ All work shown.
- ◆ All graphs and graph-related problems re-drawn accurately on graph paper.
- ◆ All work done neatly and in **PENCIL**

No partial credit will be given on test corrections. Come to my office or the tutoring center for help before turning them in. Test corrections will not be accepted late (even if it is within the same class period).

FINAL EXAM: The Final Exam is worth 15% of your course grade. It will be on Tuesday, December 15 from 1:30pm to 3:20pm in CM460. There will be no exemptions and **no make-ups** for the final exam. You must take the exam as it is scheduled for your class.

CELL PHONES and other electronic devices are to be turned **off** and put away before the start of class. Any student caught using these devices during class will lose all points for that day (even if it happens to be a test day). No video or audio tape recorders are allowed in class. Your cell phone may **not** be used as a calculator during class.

GENERAL CONDUCT: I expect that you will conduct yourself in a responsible, mature, and academically honest manner. Students who exhibit improper conduct are subject to disciplinary action as explained in the SCC General Catalog and Student Handbook. Any student caught cheating on an assignment/quiz/test will receive a grade of zero on that assignment/quiz/test and disciplinary action will be taken in accordance with SCC policies.

SPECIAL ACCOMODATIONS: College policy requires that students with documented disabilities be provided with reasonable accommodations to assist them in the learning environment. If you have a specific physical, psychiatric, or learning disability and require academic accommodations, please contact the Disability Resources & Services office, 480-423-6517. This office is located in SC-144. You will need to provide appropriate documentation of your disability.

EXPECTATIONS:

You can expect me to:

- ◆ Create a learning environment that supports your concerted effort to learn mathematics
- ◆ Begin and end class on time
- ◆ Be prepared for each class session
- ◆ Provide academic feedback and grade assignments in a fair, impartial and timely manner
- ◆ Be available for individual consultation
- ◆ Clarify assignments and inform you of any adjustments to the syllabus or class schedule
- ◆ Be courteous and respectful to you both as a human being and as a learner of mathematics
- ◆ Return your phone calls or respond to emails as soon as possible
(usually within 24 hours except perhaps on weekends)

In return, I expect you to:

- ◆ Put forth your best effort and ask questions when you don't understand
- ◆ Attend class regularly and be in class on time
- ◆ Be prepared for class sessions and participate in class activities
- ◆ Be courteous and respectful to me and to your classmates
- ◆ Be responsible for the information in this document
- ◆ Be responsible for all assignments and due dates
- ◆ Maintain knowledge of your grade status
- ◆ Contact me immediately about concerns or situations that could interfere with your success in this class

I reserve the right to alter this syllabus at any time and make the changes known in class and/or online. You are responsible for these changes whether or not you attend class the day of an announcement.