

Math 110 Syllabus

Contact Information	Course Description	Prerequisite	Course Objective
Textbook and Materials	Tentative Instructional Plan	Instructional Policies	Grading Policy

Contact Information

Mr. Ken Kasin
 313-845-6497
kkasin@henryford.ucompass.com (preferred)
kkasin@hfcc.edu (only if there are problems with the first)
 Office: L-238 in the Liberal Arts Building
 Office Hours:
 Monday 10:30-12:30
 Tuesday 9:00-11:00 and 3:00-3:30
 Wednesday 9:00-12:00
 Thursday 9:00-11:00 and 3:00-3:30
 and other times by appointment

[\[TOP\]](#)

Course Description

Topics covered include solving linear, quadratic, rational, and square root equations, solving linear and compound inequalities, an introduction to functions, graphs of linear and quadratic functions, rational expressions, exponents, radicals, and solving systems of linear equations. Techniques of problem solving and applications are included throughout the course along with modeling data using linear and quadratic functions.

[\[TOP\]](#)

Prerequisite

A "C" grade, or better in Math 080, or a satisfactory score on the placement test.

[\[TOP\]](#)

Upon successful completion of this course students should be able to:
 After completing Math 110 successful students should be able to:
 1. Calculate the slope of a line.
 2. Write the equations of lines using the point-slope and slope-intercept form.

<p>Course Objectives</p>	<p>3a. Algebraically solve linear, quadratic and rational equations, linear inequalities, and 2 x 2 systems of linear equations. 3b. Check solutions to equations using a graphing utility. 4. Graph linear and quadratic equations by hand and find significant features of the graphs such as the intercepts, vertex, or slope. *5. Solve applications that require linear, or quadratic equations, linear inequalities, or systems of linear equations. 6. Perform operations with rational expressions. 7. Simplify expressions with integer and rational exponents. 8. Perform operations with radical expressions. *=fulfills HFCC General Education Outcome for critical thinking and problem solving. [TOP]</p>
<p>Textbook and Materials</p>	<p>1. <i>Intermediate Algebra: A Graphing Approach</i>, 4th Ed., by Martin-Gay and Greene (Pearson Prentice-Hall; ISBN: 0-13-600733-3) with MyMathLab Student Access Kit <i>Note: If you are comfortable reading a textbook online, an online textbook is available through your MyMathLab access. It is therefore not necessary to purchase a textbook, but it is necessary for you to purchase an access code for MyMathLab.</i></p> <p>2. A graphing calculator is <u>required</u> of each student. The Mathematics Division recommends and uses the TI-83 or TI-83/84 Plus Graphing Calculator. [TOP]</p>
<p>Tentative Instructional Plan</p>	<p>See the course schedule by clicking the Calendar button at left. [TOP]</p>
<p>Instructional Policies</p>	<p>Experience indicates that only students who work 12-15 hours weekly, or more on this class will succeed. Your attendance and progress will be monitored in two ways. First, Ucompass and MyMathLab provide information about your activities on these sites. Second, certain assignments must be submitted by deadlines.</p> <p>Dropping: The college allows students to drop without instructor permission through the tenth week and receive a DR grade. Students in this section may also receive a DR grade by requesting one in writing to me <i>prior</i> to the final exam. A student who takes the final exam will not receive a DR grade.</p> <p>Academic Dishonesty: College Board of Trustees Policy #8500 "... It shall be the policy of the College that the determination of the fact of academic dishonesty by a student shall be a matter of individual judgement by the instructor. The instructor may administer a penalty up to, and including, failure in a particular course ..."</p> <p>Mathematics Division Policy on Cut-Off for Student Drop -Downs "Registered students may only drop-down (move-up) to another math class within the first three weeks of the Fall and Winter semesters. In the Spring and/or Summer semesters, students have only two weeks to drop-down (move-up) to another class. In order to [change], a student must:</p> <ol style="list-style-type: none"> 1. Obtain the written permission of his/her current instructor stating that the student was misplaced, 2. See the Mathematics division Director for assistance in finding open sections, and 3. Obtain the written permission of the instructor in the new ... course. 4. The student must then officially file an Add-Drop form at the Registration office."

Discipline: Any activity that interferes with another student's learning is a disruption and will not be tolerated. This includes not using inflammatory, or insulting language. Students are expected to conduct themselves with polite demeanor towards fellow students and the instructor. Violation of this policy will be handled according to appropriate campus discipline policies. In extreme circumstances students can be removed from the course without refund of tuition.

[\[TOP\]](#)

Your grade will be based on the following assessments.

1. **Exams on Campus** (300 points): You will have three 100 point exams. No make up exams are allowed. Generally a missed exam will result in a score of 0 points. In the case of a documented emergency the final exam score (scaled to 100 points) will also count as the missing test score. For each midterm exam students will have several days in which to take the exam. See the Ucompass Calendar for the exam schedule. You must have completed all the online quizzes in order to take the exam.

2. **Quizzes** (70 points): You will have 14 online quizzes, each worth 5 points. Quizzes usually cover material in three sections. Each quiz may be taken twice and the higher score will count. These quizzes must be taken before you take your exam.

3. **Participation** (90 points): Each assignment page lists ways to participate. Answering an e-mail homework question is worth 2 points. Posting a question about the homework is worth 1 point (up to 3 points per participation section). Answering a question another student posts is worth 2 points (up to 6 points per participation section). Generally, three sections of the text are combined to make a participation section.. You may earn a maximum of 10 points per participation section. The participation sections are clearly marked in the assignment pages. In the course of the semester there will be approximately 130 possible points for participation. You must earn a minimum of 40 participation points in the course of the the semester. Failure to earn 40 points will cause your grade to be reduced by 1 letter grade. The maximum number of participation points that can count in your grade is 90. After the test on a given lesson you may not earn participation points from that lesson.

4. **Written Homework Submissions** (30 points): Each time you take one of the three midterm exams, you will submit written solutions to all the homework problems assigned from the textbook for the lessons on which the exam is based. Each submission is worth 10 points. All work must be shown in order to receive credit for the assignment. Answers merely copied from the book will not be credited. These homework sets should be well organized and easy for a reader to evaluate. To facilitate good organization, homework should be done on loose-leaf paper and placed in a light cardboard folder with pockets. A new assignment should begin at the top of a page with the page number clearly denoted. You will leave your homework at the exam site, and it will be returned to you after scores are posted. . In the course of the semester there will be a total of 30 points in written homework exercises.

5. **Online Homework** (30 points): In each of the three exam periods you will be asked to do online homework exercises for each section included on the exam. Use the "help me solve this" option to see the steps necessary to solve the exercise you are working

Grading Policy

on. All online homework exercises for exam 1 are worth a total of 10 points, all online homework exercises for exam 2 are worth a total of 10 points, and all online homework exercises for exam 3 are worth a total of 10 points. In the course of the semester there will be a total of 30 points in online homework exercises

6. Final Exam on Campus (150 points): The final exam is cumulative. See the calendar for the final exam schedule. Please note that there are no Saturday times available for the final.

Your grade will then be determined by comparing the points you have earned to the following table.

Total Points	Grade
603 or more	A
536-602	B
469-535	C
402-468	D
401 or less	E

[\[TOP\]](#)

*Last revised by
Ken Kasin Fall 2010*