

Mathematics 98 – Beginning Algebra with Geometry

Fall 2007 - Syllabus

- Course Title:** Beginning Algebra with Geometry
- Credit Hours:** 4
- Prerequisites:** Placement test or consent of department chair
- Class Meets:** Monday, Wednesday 9:30 AM – 11:15 AM
- Class Room:** 3975
- Section Code:** Math 98 BC
- Class Number:** 31278
- Instructor:** Marta Hidegkuti
- e-mail:** mhidegkuti@ccc.edu
- Contact Info:** At all times, e-mail is the fastest and most efficient method to contact the instructor. If you need to contact the instructor about grades, attendance, or other administrative issues please use e-mail. When e-mailing, **please use your CCC student account.**
- Office:** Room 3812
- Office Hours:** Monday 11:45 AM - 12:45 PM Room 3812
Wednesday 11:45 AM - 12:45 PM Room 3812
Saturday 10:00 AM - 12:00 PM (sign up!) Tutoring Center (L129)
or by appointment
- Mail Box:** 143
- Web Sites:** <http://faculty.ccc.edu/mhidegkuti>, and <http://www.mathzone.com> for MathZone
- Course Code:** E37-3F-4F6 (this code is for MathZone)
- Textbook:** Beginning and Intermediate Algebra; second edition; Julie Miller, Molly O'Neil, and Nancy Hyde; McGraw Hill, 2008; ISBN Number: 978-0-07-305281-6.
- MathZone** If you buy the book at Beck's Bookstore, it will automatically include access to MathZone. Books purchased at a different location may not have MathZone access. Then you need to buy MathZone access separately. It costs approximately \$15, and can be found at <http://www.mathzone.com>.
- Calculator:** The use of a scientific calculator is strongly recommended. Students are expected to bring their calculator to classes. The optional calculator is the TI-30X II S. The price of this model is between \$15 and \$20. Do NOT purchase a different calculator if it is significantly more expensive. It is not true that more expensive calculators are easier to use. **On quizzes and exams, students are not allowed to use a graphing calculator. During classes, students are not allowed to use a cell phone as a calculator.**

Tutoring Services: The **Tutoring Center** is located in room L129. Students are encouraged to seek help and guidance during the course. Students have already paid for this service as part of tuition fees. The only catch is that students need to make an appointment to take advantage of this free service. In addition to the office hours listed above, the instructor will have regularly scheduled appointments there, Saturday 10:00 AM – 12:00 PM. Please note: in order to receive tutoring, students need to sign up in advance.

The Student Success and Leadership Institute (SSLI) is located in room 1435. SSLI offers free services to students, including tutoring, orientation, help with e-mail account or registration.

Attendance: **Attendance is an essential component of success in this course.** Regular attendance is expected of all students, and attendance will be taken each class period. Students are expected to be on time and to attend the entire session. Students who miss 2 out of the first 3 classes will be automatically dropped. Students who miss 4 classes in a row before the midterm exam will be automatically dropped. If you arrive after attendance has been taken, check at the end of class that your attendance record has been corrected. In order to be recorded as "present" on the attendance record, students must be present during the entire class period. The instructor hands out corrected work at the beginning of class. If you arrive late to class, please wait until the class ends to ask for your work. **If you are absent, you are responsible for all work, assignments, and new material covered in class that day.**

Make Up Policy: Without exception, **there will be no making up quizzes or exams.**

Withdrawal Instructors can not drop students after the midterm date. Stopping to attend classes does not constitute withdrawal from the course and will result in a final grade of F. Students no longer pursuing the class can protect their average by officially withdrawing from the class at the registrar's office. The last day for student initiated withdrawal is Monday, November 19.

Grading Scale: Grading of all assignments, quizzes, and exams will be based on the following scale.

90-100	A
80-89	B
70-79	C
60-69	D
0-59	F

Midterm Grades:

If the Midterm Exam (same as Exam 3) is below 70%, a D or F will be given as midterm grade. In other words, students must earn a passing grade on the exam to receive a passing grade for the course. If the midterm exam is at least 70%, the midterm grade will be the weighted average of the grades shown below with their weights.

Homework assignments	10%
Quizzes	20%
Exam 1	20%
Exam 2	25%
Exam 3 (same as Midterm Exam)	25%
Extra Credit Assignments	5%

Before computing the average quiz score, the lowest quiz score will be dropped.

Final Grades:

If the Final Exam (same as Exam 5) is below 70%, a D or F will be given as final grade. In other words, students must earn a passing grade on the exam to receive a passing grade for the course. If the final exam is at least 70%, the final grade will be the weighted average of the grades shown below with their weights.

Homework assignments	10%
Quizzes	15%
Exam 1	10%
Exam 2	15%
Exam 3 (same as Midterm Exam)	15%
Exam 4	15%
Exam 5 (same as Final Exam)	20%
Extra Credit Assignments	5%

Before computing the average quiz score, the two lowest quiz scores will be dropped.

Homework:

Homework is the most essential part of the learning process; do not expect to do well in this course without keeping up with the homework. There will be a homework assignment due at almost every session. Homework is expected to be turned in at the beginning of class, stapled, written neatly and legibly, on graph paper. Please do not ask the instructor for a stapler. To earn full credit, always show all work. A solution turned in without work shown will receive a maximum of 20% credit. Since the instructor is going to be grading more than one hundred papers a week, write as legibly as possible and circle your final answers. Homework assignments will consist of problem sets. If the assignment to be turned in consists of more than one problem set, they should be stapled separately. Within a problem set please present the problems in the order they were assigned.

Late Homework:

It is essential that students keep up with the homework assignments. A late homework assignment may be turned in for 50% credit if it is at most one week late. **An assignment late by more than one week will receive no credit.**

- Important Dates:**
- First day of class : August 27, Monday
 - Labor Day Holiday - No Class: September 3, Monday
 - Exam 1 : September 12, Wednesday
 - Exam 2 : September 26, Wednesday
 - Exam 3 (same as Midterm Exam): October 17, Wednesday
 - Exam 4: November 14, Wednesday
 - Last day to withdraw from classes: November 19, Monday
 - Exam 5 (same as Final Exam): December 12, Wednesday
 - End of Semester: December 15, Saturday
- Final Exam:** Same as Exam 5. The final exam will consist of three parts. Part 1 will include multiple-choice type of questions for 40% of the exam grade, part 2 will include regular questions for 55% of the exam grade, and part 3 will be a computerized exit exam (COMPASS), for 5% of the exam grade.
- Office Hours:** Arrive to office hours prepared. If you have missed a class, be sure to obtain and read all class-related material (handouts, text book section, and notes taken by a classmate). Have a list of specific questions. Once these questions are answered, please leave so that the instructor can help other students.
- General:** It is your responsibility to be here during scheduled class time. Chronic tardiness is very distracting. **Please make every effort to be on time for class.** Before arriving to class, please **turn off all pagers, cell phones, or other loud devices.** Please refrain from talking while the instructor is lecturing. If you need an extensive review (for example, due to absence) of material presented in class, please see the instructor during office hours. Valuable class time can not be spent on assisting one or a few students to the detriment of the entire class. Office hours are designated to address these problems.
- At all times, please treat the instructor, other students, and their opinions with respect.
- Records:** Please retain all class-related material until you receive your final grade for the course.
- Academic Integrity:** Any incident of academic dishonesty may result in actions from assigning a grade of F for the entire course to expulsion from the college. For further information, please refer to the Student Handbook.

MAKE – UP POLICY
Department of Mathematics
Harry S Truman College

Unless specific modifications are given by the professor, the following policy for making up missed work will apply in all courses taught through the Department of mathematics at Harry S Truman College.

It is the student's responsibility to contact his/her instructor regarding missed work. Permission to make-up work is subject to the discretion of the instructor.

If an absence is anticipated, the student should make arrangements with his/her instructor prior to the absence.

For unforeseen absences, it is the student's responsibility to contact the instructor within one week of the exam or project due date.

In either case, written documentation may be requested to make up an exam/project.

Scheduling of make-up work is at the discretion of the instructor.

Any modification to this policy which is made by your own instructor, will supercede this statement.

Adopted, 4/4/2000

Course Objectives:

This course is intended to provide students with the mathematical background necessary to

- make sense of mathematical problems posed by every-day life
- enroll and successfully complete science courses
- enroll and successfully complete our Math 99 (Intermediate Algebra with Geometry) course

In addition to the academic and personal achievements shown above, the course is intended to

- develop and foster students' numerical and analytical skills, and critical thinking
- develop and foster students' problem solving and communication skills
- improve students' self-esteem and their opinion of mathematics

Student Learning Outcomes:

Upon satisfactory completion of the course, students will be able to:

- Simplify expressions containing integer exponents.
- Apply scientific notation to contextual (real-world) situations.
- Simplify square roots for perfect squares.
- Know and use order of operations.
- Evaluate algebraic expressions.
- Perform operations on and simplify polynomial expressions.
- Factor polynomials.
- Understand the order relations on the set of real numbers and illustrate them on the real number line.
- Translate between verbal expressions and algebraic or numerical expressions.
- Identify and represent numerical or algebraic expressions in equivalent forms.
- Solve linear equations and inequalities.
- Solve factorable quadratic equations.
- Solve and evaluate literal equations (formulas) of the first degree.
- Solve systems of linear equations in two variables graphically and algebraically.
- Formulate and apply a linear equation or inequality to a contextual (real world) situation.
- Determine the slope of a line.
- Graph linear equations by plotting points and using slope.
- Identify and represent linear relationships in equivalent forms (i.e., graphical, algebraic, tabular, and contextual).
- Apply formulas of area, perimeter and volume to basic 2- and 3-dimensional figures.