Syllabus
Intermediate Algebra with Geometry
Math 99 ABL2 - Fall 2011

Course Title   Intermediate Algebra with Geometry
Credit Hours   5
Prerequisites   Placement test, or grade of C or better in Mathematics 98 or consent of department chair.
Section   99 ABL2 (section number: 33112)
Classes   Monday, Wednesday, Friday 9:00 AM - 10:25 AM in Room 3140
Instructor   Marta Hidegkuti   **e-mail:** mhidegkuti@ccc.edu   **Office:** Room 3812
Office Hours   Monday 10:30 AM – 11:45 AM
Wednesday 10:30 AM – 11:30 AM and 5 PM – 5:45 PM
Tuesday, Thursday 12:30 PM – 1:30 PM

Web Sites   http://faculty.ccc.edu/mhidegkuti/Math99/math99_fa11/Math99.html. In case the Truman web server is down, a copy of the class's web site is maintained at www.martahidegkuti.com.

Textbook Policy   Students must have an intermediate algebra textbook. Due to price considerations, this may be different from the official textbook for this course. For more information on this, see the handout Textbook Information.

MyMathLab   The textbook is bundled with MathZone. **The use of this supplement is optional and will not be part of the course.**   If students want to use MyMathLab, they can log in at www.mymathlab.com and should use the course code hidegkuti09827

Calculator
The use of a scientific calculator is strongly recommended. Students are expected to bring the calculator to class. The optimal calculator is **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.

Calculator Policy
Any calculator different from TI-30X II S has to be approved by the instructor first. **During quizzes and exams, students are not allowed to use a graphing calculator. Students are not allowed to use a cell phone as a calculator any time during class.**

Important Dates

First class: Monday, Aug 22	Last day to withdraw from classes: Monday, Nov 14
Holiday, no class: Monday, Sep 5	Holiday, no class: Friday, Nov 25
Exam 1: Friday, Sep 16	Exam 4 (same as Final Exam): Friday, Dec 9
Exam 2 (same as Midterm Exam): Friday, Oct 14	End of Semester: Saturday, Dec 10
Exam 3: Friday, Nov 11	

Attendance Policy
Attendance is an essential part of the course. Regular attendance is expected of all students. Attendance will be taken each class period. Students are expected to be on time and to attend the entire session. Please make every effort to arrive to class on time. If you are absent, you are responsible for all work and assignments covered in class that day.

No-Show Withdrawal (NSW)
Students who do not attend the first two class sessions will be withdrawn from the class by the instructor and issued an NSW.

Administrative Withdrawal Students will be administratively withdrawn at midterm if at least two of the following apply:
     1 Less than 70% of assignments up to the midterm have been completed.
     2 Less than 70% of quizzes and tests up to the midterm have been attempted.
     3 Less than 50% of class sessions up to the midterm have been attended.
     4 Student missed 6 consecutive classes.

Withdrawal from the course
Not attending classes does not constitute withdrawal from the course. After midterm, instructors can no longer drop students from the course. If students stop attending classes after the midterm, the instructor can only assign a grade of F. If you no longer attend classes, it is essential that you stop by at the registrar's office and officially withdraw from the course to protect your average. The last day for student initiated withdrawal is Monday, November 14. Before withdrawing from the course, students are encouraged to consult the instructor.

Grading Policies

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 Grade
The midterm grade will be the weighted average of the grades shown below with their weights.
     Exam 1: 25%   Exam 2: 35%   Quizzes: 35%   Homework: 5%
Before determining the grade given for quizzes, the two lowest quiz scores will be dropped.

Final Grade
The final grade will be the weighted average of the grades shown below with their weights.
             Exam 1: 10%   Exam 3: 20   Quizzes: 25%
             Exam 2: 15%   Exam 4: 25%   Homework: 5%
Before determining the grade given for quizzes, the lowest three quiz scores will be dropped.

Makeup Policy
Without exception, there will be no making up quizzes. Permission to make-up an exam is subject to the discretion of the instructor, and will be granted only in cases of emergency. If an absence is anticipated, the student should notify his/her instructor prior to the absence. Students need to present written documentation to make-up an exam. All make-up exams will take place on Friday, December 2.

Homework
Homework is an essential part of the learning process; do not expect to do well in this course without keeping up with the homework. Homework is expected to be turned in at the beginning of class, stapled, written neatly and legibly, graphs drawn 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. Homework assignments will consist of problem sets. Within a problem set please present the problems in the order they were assigned and circle your final answers. After homework assignments have been graded and returned to students, they may re-submit them with corrections, for full credit.

Late Homework   Homework assignments turned in late will receive up to 50% credit. If an assignment is more than one week late, no credit will be given.

Academic Integrity
The CCC has no tolerance for violations of academic integrity., Plagiarism and cheating of any kind are serious violations of these standards and will result, minimally, in the grade of F. All course work will be checked for academic integrity. In this course, the first violation will result in an F for the assignment; the second violation will result in course failure. Make-ups and revisions are not available after an infraction of academic integrity. For further information, please refer to the student policy manual.

General Information

At all times, please treat the instructor, other students, and their opinions with respect.

Before arriving to class, please **turn off all cell phones, pagers, and other loud devices**. **Please make every effort to arrive on time for class.** 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.

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 class notes). Have a list of specific questions. If you need help with a problem, bring your work on the problem with you.

Please retain all class-related material until you receive your final grade for the course.

Students that register late are responsible for all course work they missed due to their absence.

Eating is not allowed in the class rooms.

At all times, email is the fastest and most efficient method to contact the instructor. If you wish to contact the instructor about grades or attendance or other administrative issues via email, please use your CCC student account. FERPA (Family Educational Rights and Privacy Act) is a federal law that protects the privacy of student educational records: www.ed.gov/policy/gen/guid/fpco/ferpa/index.html. Faculty cannot reveal information about students, or discuss student records over the phone or unsecure e-mail. CCC student e-mail meets FERPA requirements.

Academic Support 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. Please note: in order to receive tutoring, students need to sign up in advance. (773) 907- 4785 www.trumancollege.edu/studentservices/tutoring.

The Student Success and Leadership Institute (SSLI). For students who need various other support services to achieve their educational goals: Room 1435, (773) - 907-4714, www.trumancollege.edu/studentservices/ssli.

TRIO Student Support Services. For low-income students, first generation college students, or students with disabilities who need academic support: Room 1435, (773) 907 - 4797, www.trumancollege.edu/trio. Registration is required at the start of each semester.

Disability Access Center. The Center verifies needs pursuant to the American Disabilities Act (ADA), determines student academic accommodations, and issues accommodation letters. Room 1428, (773) 907 - 4725, www.trumancollege.edu/studentservices/dac. Registration is required at the start of each semester.

Calendar of Events

Please note that the Calendar of Events is subject to change. Last revised: August 3, 2011

	Monday	**Wednesday**	**Friday**
Week 1	August 22 - Class 1	August 24 - Class 2	August 26 - Class 3
Week 2	August 29 - Class 4 Quiz 1	August 31 - Class 5	September 2 - Class 6 Quiz 2
Week 3	September 5 - No Class	September 7 - Class 7	September 9 - Class 8 Quiz 3
Week 4	September 12 - Class 9 Quiz 4	September 14 - Class 10	September 16 - Class 11 Exam 1
Week 5	September 19 - Class 12	September 21 - Class 13 Quiz 5	September 23 - Class 14
Week 6	September 26 - Class 15 Quiz 6	September 28 - Class 16	September 30 - Class 17 Quiz 7
Week 7	October 3 - Class 18	October 5 - Class 19 Quiz 8	October 7 - Class 20
Week 8	October 10 - Class 21 Quiz 9	October 12- Class 22	October 14 - Class 23 Exam 2
Week 9	October 17 - Class 24	October 19 - Class 25 Quiz 10	October 21 - Class 26
Week 10	October 24 - Class 27 Quiz 11	October 26 - Class 28	October 28 - Class 29 Quiz 12
Week 11	October 31 - Class 30	November 2 - Class 31 Quiz 13	November 4 - Class 32
Week 12	November 7 - Class 33 Quiz 14	November 9 - Class 34	November 11 - Class 35 Exam 3
Week 13	November 14 - Class 36	November 16 - Class 37 Quiz 15	November 18 - Class 38
Week 14	November 21 - Class 39 Quiz 16	November 23 - Class 40	November 25 - No Class
Week 15	November 28 - Class 41 Quiz 17	November 30 - Class 42	December 2 - Class 43 Quiz 18
Week 16	December 5 - Class 44	December 7 - Class 45	December 9 - Class 46 Exam 4
December 10 - End of Fall 2011 term			

Last day for student initiated withdrawal: Monday, November 14

Course Information

Catalogue Description: Solution of linear and absolute value equations and linear inequalities; integer and rational exponents, simplification of radicals; slope and graphing linear equations; systems of linear equations; solution of quadratic equations by factoring, completing the square and using the quadratic formula; introduction to functions; applications included throughout the course. Writing assignments, as appropriate to the discipline, are part of the course.

Course Objectives:

Develop the algebraic skills necessary for problem solving.

Develop the ability to model linear, quadratic, and other nonlinear relations, including the use of the graphing techniques and geometrical principles as tools, for the purpose of solving contextual (real-world) problems.

Manipulate and apply literal equations for the purposes of solving contextual (real-world) problems.

Writing and communicating the results of problem solving appropriately.

Use technology as one aide for the purposes of solving contextual (real-world) problems.

Truman College General Education Goal(s): Upon successful completion of this course, students will demonstrate the ability to

- think critically, abstractly, and logically.
- communicate effectively in written and oral forms.

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

Simplify expressions containing rational exponents.

Perform operations on and simplify radicals.

Perform operations on and simplify rational expressions.

Solve quadratic equations with real solutions, including the use of the quadratic formula.

Solve rational equations.

Solve absolute value equations of the form $|ax + b|=c$.

Solve radical equations of the form: square root$(ax + b) = c$.

Solve compound linear inequalities.

Solve systems of linear inequalities in two variables.

Solve systems of linear equations in two and three variables.

Formulate and apply an equation, inequality or system of linear equations to a contextual situation.

Solve and evaluate literal equations, including nonlinear equations.

Formulate and apply nonlinear literal equations to a contextual (real-world) situation.

Graph linear and quadratic equations.

Determine equations of lines, including parallel and perpendicular lines.

Determine whether given relationships represented in multiple forms are functions.

Determine domain and range from the graph of a function.

Formulate and apply the concept of a function to a contextual (real-world) situation.

Interpret slope in a linear model as a rate of change.

Apply formulas of perimeter, area, and volume to basic 2- and 3-dimensional figures in a contextual (real-world) situation.

Apply the Pythagorean Theorem to various contextual (real-world) situations.

Apply the concepts of similarity and congruency of triangles to a contextual (real-world) situation.