

Math 0100: Fundamentals of Mathematics Syllabus

I. Institution Information

McCook Community College
A Division of Mid-Plains Community College
1205 East Third Street
McCook, Nebraska 69001

II. Basic Course Information

A. Title.....Fundamentals of Mathematics
B. Catalogue Code.....MATH 0100 MC 01
C. Credit Hours.....3
D. Term.....Fall 2015

III. Instructor Information

A. Name.....Mr. Michael Jonckheere
B. Telephone.....308-345-8154 or 800-658-4348, Extension 8154
C. Email.....jonckheerem@mpcc.edu
D. Office.....BH 227

IV. Important Times and Places

A. Class Time.....MWF 11:00 – 11:50 AM
B. Class Location.....Walsh Brady (WB) 121
C. Date Class Begins.....8/24/2015
D. Bring required materials to class.....8/31/2015
E. No Class (Labor day).....9/7/2015
F. No Class (Teacher Enrichment day) ..10/2/2015
G. No Class (Thanksgiving).....11/25/20115 thru 11/27/2015
H. Last Day to Withdraw.....12/1/2015
I. Date Class Ends.....12/11/2015
J. Final Exam.....Monday, December 14, 10:10 AM - 12:10 PM

V. **Catalog Description:** Review of the four fundamental operations on whole numbers, operations on fractions and decimals, solutions to practical problems involving percentages, investments, ratio, proportions, and an introduction to algebra.

VI. **Program Focus:** This course does not satisfy the general education requirement for the Associate of Arts degree and cannot be used as an elective. This course is not designed to transfer to a four-year college.

VII. **Prerequisites:** None

Teacher Responsibilities

VIII. **Teacher Specific Description:** None

- IX. **Course Objectives:** Upon completion of this course a student's grade will reflect their ability to:
- A. Perform the four fundamental operations on whole numbers, fractions, decimals, and integers.
 - B. Follow the order of operation rules.
 - C. Convert fractions to decimals and decimals to fractions.
 - D. Convert percents to fractions and fractions to percents.
 - E. Solve percent problems.
 - F. Solve proportion problems.
 - G. Use the above skills in application problems.
 - H. Evaluate a variable expression.
 - I. Simplify a variable expression by combining like terms and using the distributive property.

- X. **Tentative Class Schedule:** The objectives will be accomplished by studying the following chapters.
- A. Chapter 1: Whole Numbers
 - B. Chapter 2: Fractions
 - C. Chapter 3: Decimals
 - D. Chapter 4: Basic Algebra: Solving Simple Equations
 - E. Chapter 5: Ratio and Proportion
 - F. Chapter 6: Percents
 - G. Chapter 7: Signed Numbers

- XI. **College Student Learning Outcomes:** All MPCC graduates should be able to demonstrate:
- A. Effective use of written communication skills
 - B. Effective use of oral communication skills
 - C. Efficient use of information retrieval skills
 - D. An understanding of the values and traditions of other cultures in the world
 - E. Mathematical computational skills to solve problems
 - F. Human inquiry skills be scientifically observing, explain, predicting and testing for the purpose of understanding
 - G. Critical thinking skills
 - H. Appropriate and necessary competencies/skills for academic transfer or employment in their area of expertise
 - I. Effective decision making skills

XII. **Instructional Methods:** The method of instruction for this class will primarily be informal lecture.

XIII. **Grading and Evaluation**

- A. Grade breakdown

Category	Number	Percentage of Grade
Miscellaneous	3 tasks	2%
Attendance	44 days	6%
Homework	27 assignments	12%
Quizzes	8 tests	80%

- B. **Grading Scale:** After the above breakdown is used to calculate a numerical grade, a letter grade is then determined by the following scale:

Numeric Grade Rounded to Two Decimal Places	Letter Grade
0.00 thru 0.60	F
0.61 thru 0.66	D
0.67 thru 0.69	D+
0.70 thru 0.76	C
0.77 thru 0.79	C+
0.80 thru 0.86	B
0.87 thru 0.89	B+
0.90 thru 0.96	A
0.97 thru 1.00	A+

XIV. Makeup Policies.

- A. **Missing a Homework Due Date or Project:** I will accept homework early. I will accept homework under my office door. Homework is late when turned in after the start of class on the day it is due and will be marked down 50%. You only need to get credit for about 90% of the homework/project points to get 100% in that category. This allows you to miss 2 homework assignments or turn in 5 late without a penalty.
- B. **Missing a Lecture:** It is the student’s responsibility to read the material in the book if they missed the lecture, though they may do it with me in my student consultation hours.
- C. **Missing a Test:** You may take any exam up to 4 weekdays early. You may take any exam up to 4 weekdays after the end of an excused, documented absence. Early or make-up exams may be in an alternate format, and must be taken in the SSC.

XV. Student/Teacher Consultation Hours

- A. Tuesdays and Thursdays 9:00 – 9:50 AM or 11:00 – 11:50 AM in my office (BH 227)
- B. By appointment

XVI. Students with Disabilities: Mid-Plains Community College is committed to providing a discrimination-free environment for its students with disabilities. If you are a student with a documented disability, and assistance is needed, please contact: Robin Rankin, MPCC North Campus and MPCC Extended Campus’s 308-535-3637, Chris Turner, North Platte South Campus, 308-535-3715, or Brandon Lenhart, McCook Community College 308-345-8128. Or contact us through e-mail at disabilityservices@mpcc.edu.

XVII. Nondiscrimination policy: Discrimination on the basis of such factors as national or ethnic origin, race, color, age, gender, sexual orientation, marital status, religion, disability, or veteran status in any program, service, activity, or aspect of the College is prohibited. All persons admitted to or employed by Mid Plains Community College have the same rights and privileges. The College follows a strict policy of nondiscrimination in administering its educational policies, recruitment and admissions policies, loan and scholarship programs, employment practices, athletic, and other College-sponsored programs.

Student Responsibilities

XVIII. Materials: A textbook is required. Our textbook will be “Basic College Mathematics through Applications” by Akst and Bragg 5e 2013, ISBN 9780321733399.

- XIX. Student Responsibilities:** Students are required to
- A. Join the Campus Web Course Group associated with this class by the start of the second week.
 - B. Purchase the textbook and bring it to the first class in the second week.
 - C. Attend each of the 44 scheduled class days with electronic devices other than a calculator turned off and out of sight.
 - D. Spend 6 hours per week outside of class on homework and test study.
 - E. Attempt each assigned problem without looking at the answer. Then look up the answer to be sure you have done it correctly, and correct any mistakes.
 - F. Use my student consultation hours (along with the math table, and the tutors in the SSC) when you get stuck. (Feel free to do your homework in my consultation hours too.)
 - G. Turn in each homework assignment at the beginning of class on the day it is due, or earlier.
 - H. Complete each of the 8 quizzes.

XX. Withdraw from Class Procedure: If a student wishes to withdraw from this class they must complete an official withdrawal form and turn it in. Students who do not formally withdraw may receive a grade of F.

XXI. Academic Honesty: All cases of cheating or plagiarism shall be handled at the discretion of the instructor involved. Students may be disciplined by immediate dismissal from the course with an “F” grade. Two such course dismissals make the student subject to expulsion from college of the Mid-Plains Community College Area.

XXII. Chain of Resolution: Any questions or concerns regarding this course should first be directed to the instructor. If you feel that you and the instructor have not reached a resolution, you may contact the Division Chair. Contact information is:

- A. Division ChairSally S. Thalken
- B. DivisionMathematics & Science
- C. Emailthalkens@mpcc.edu
- D. Phone308-535-3759

XXIII. Disclaimer: This syllabus is not a contract and the instructor retains the right to make changes in the course’s schedule, policies, and requirements as necessary so long as those changes are consistent with the policies of MPCC and do not affect transferability.