MARTIN COMMUNITY COLLEGE
COURSE SYLLABUS
Semester/Year: SPRING 2011

COURSE NUMBER: MAT 070 – (5H1E)

COURSE TITLE: Introductory Algebra

CREDIT HOURS: 4 Hours

CONTACT HRS/WK: 5 (3 Class, 2 Lab)

PREREQUISITES: MAT 060 or appropriate score on placement test.

COREQUISITES: RED 080 or appropriate score on placement test.

INSTRUCTOR: Danny Talbert

OFFICE NO: Building 4, Office 41

OFFICE/VIRTUAL HOURS: T, TH   4:00pm – 6:00pm
These hours may change due to administrative duties as they arise. Students who cannot come at these times or have an urgent issue are advised to make an appointment.

PHONE NO: (252) 227 - 0049

FAX: (252) 792 – 0826

E-MAIL: DTalbert@mcc.martincc.edu

COURSE DESCRIPTION:
This course is designed to establish a foundation in algebraic concepts and problem solving. Topics include signed numbers, exponents, order of operations, simplifying expressions, solving linear equations and inequalities, graphing, formulas, polynomials, factoring and elements of geometry. Upon completion, students should be able to apply the above concepts in problem solving using appropriate technology.

PROGRAM LEARNING OUTCOMES:
1. Apply critical thinking skills to problem-solving.
2. Demonstrate use of appropriate discipline-related technology.
3. Demonstrate entry level skills needed for first college-level course in the curriculum.

COURSE LEARNING OUTCOMES:
At the completion of this course the students should be able to:
1. Perform basic arithmetic operations on real numbers using the properties of real numbers and the order of operations.
2. Evaluate and simplify algebraic expressions, including using laws of exponents.
3. Solve linear equations and inequalities, as well as application problems.
4. Perform basic operations with polynomials including factoring.
5. Graph linear equations and inequalities and solve problems using the basic properties of lines, such as slope and intercepts.

REQUIRED TEXTBOOKS:
Lial, Margaret; Hornsby, John; & McGinnis, Terry. (2008). *Beginning and intermediate algebra*, (4th ed.). Boston: Pearson, Addison Wesley.
   ISBN: 978-0-321-44233-8

SUPPLEMENTAL RESOURCES:
      1)   **MyMathLab (student)**
      MyMathLab is an all-in-one, online tutorial, homework, assessment, course management tool with the following student features.
- **The entire textbook online with links to multimedia resources**-video clips, practice exercises, and animations-that are correlated to the textbook examples and exercises.
- **Online tutorial, homework, and tests**
- **A personalized Study Plan** generated based on student test results. The Study Plan links directly to unlimited tutorial exercises for the areas students need to study and re-test, so they can practice until they have mastered the skills and concepts.
- http://www.mymathlab.com

2) **MathXL Tutorials on CD (ISBN: 13: 978-0-321-44955-9)**
The interactive tutorial CD-ROM provides:
- Algorithmically-generated practice exercises correlated at the objective level.
- Practice exercises accompanied by an example and guided solution.

- Tutorial video clips within the exercise to help students visualize concepts.
- Easy-to-use tracking of student activity and scores and printed summaries of students' progress.

3) **Interact Math www.interactmath.com**
The power of MATHXL text-specific tutorial exercises available for unlimited practice online, without an access code, and without tracking capabilities.

4) **Academic Skills Center (ASC)**
This center is located in Building 4 Room 38B on the Main Campus. Each semester a schedule of hours is posted and students may drop in at any time to receive extra help in any course. The center has tutorial software in a variety of courses along with instructors and peer tutors to assist students. Use of this resource has been extremely helpful to students taking MAT 070 in the past.

LEARNING/TEACHING METHODS:
Lecture, student discussion, guided and independent practice, cooperative learning lab activities, computer tutorials and outside reading assignments.

ASSESMENTS/METHODS OF EVALUATION:
To demonstrate attainment in program and course learning outcomes for MAT 070, one must achieve an overall average of 77% or better. To achieve these outcomes, you must successfully complete the following:

1. Chapter Tests   50%
2. Quizzes, Outside Assignments and Graded Homework   15%
3. Outside Reading Assignments   10%
4. Final Exam   25%

GRADING POLICY:
Grades will be assigned on the following scale:

93 – 100%	A
85 – 92%	B
77 – 84%	C
Below 77%	F
Administrative Withdrawal	WF*

*Administrative withdrawal is used when students do not meet the attendance requirement.

COURSE OUTLINE:

Week – 1 & 2
Course Introduction
A Brief Review of Arithmetic Skills (Chapter 0)
Real Numbers System (Chapter 1)

Week – 2 & 3
Linear Equations and Inequalities in One Variable (Chapter 2)

Week – 4
Solving Applied Problems (Chapter 3)

Week – 5 & 6
Exponents and Polynomials (Chapter 4)

Week – 6 & 7
Factoring and Applications (Chapter 5)

Week – 7 & 8
> Graphing and Functions (Chapter 7)

Week 8
> Review and Final Exam

THIS COURSE OUTLINE IS A GUIDE AND IS SUBJECT TO CHANGE!
KEEPING UP WITH CHANGES IS YOUR RESPONSIBILITY.

STUDENT ATTENDANCE POLICY:

- The current MCC Attendance Policy applies which can be found in the Martin Community College Career Catalog for policies and curriculum requirements online at www.martincc.edu. Attendance at every class is necessary for maximum benefits from this course. Students are required to attend the face to face class meetings a minimum of 85% of the time in order to receive credit for the course. Attendance for the hybrid portion of the course will be accounted for in given assignments. Three tardies and/or early departures equal one hour's absence. Missing more than 10 minutes at the beginning or end of class will constitute an absence not a tardy.
- Absence from class may be excused in the following circumstances:
    > Verifiable death of an immediate family member
    > Verifiable hospitalization of self or immediate family member
    > Documented emergency at the discretion of the instructor.
    > (Definition of "immediate family member," mother, father, sibling, spouse, child, grandparent)
- Students will be counted absent from the date of registration.
- Students must be present in at least one class during the first ten percent of a course in ordered to be considered enrolled in the class. If a student has not attended at least one class by the ten percent census date, the instructor will administratively withdraw the student.
- Students who miss more than six contiguous contact hours may be administratively withdrawn from the class by the instructor and given a grade of "WF." The "WF" will be equivalent to an "F" when calculated into the student's GPA.
- Students may remove a "WF" by submitting appropriate paperwork for an official withdrawal by the last day to officially withdraw without receiving an "F." The last day to officially withdraw without receiving an "F" is published in the academic calendar for each academic year.

REQUEST FOR EXCUSED ABSENCES FOR RELIGIOUS OBSERVANCES

- In compliance with G.S. 115D-5, MCC policy permits a student to be excused, with the opportunity to make-up any test or other missed work, a minimum of two excused absences per academic year for religious observances required by the student's faith. The policy limits the excused absences to a maximum of two days per academic year.
    - o Students who wish to be excused for a Religious Observance required by their faith must complete and submit a request form to the instructor(s) prior to the census date of each class. The ***Request for Excused Absences for Religious Observances*** form can be picked up from Student Services. This does not supersede the college-wide attendance policy as outlined in the college catalog or syllabus, with the exception of a reasonable accommodation for the make-up of missed course work.

COURSE POLICIES:

Assignment Due Dates:
> All assignments are due at the beginning of a class period. If a student is absent when an assignment is due it is their responsibility to see that the instructor receives that assignment the next time the student is in class. If this happens frequently, a student's grade for that work may be lowered 10 points each day that it is late.

Make-up Policy:
> If a student is absent when graded work is done in class, he/she will receive a grade of "0" for that work. Test can be made up only in cases of legitimate verifiable absences and must be made up within three days.

Cellular Phones and Pagers
> Cell phones and pagers should be set to silent mode before entering class.

Academic Integrity Statement
> The President or any other authorized college official may dismiss, suspend, or expel any student who disrupts the legal mission, educational processes or function of the college. Deliberately cheating or knowingly and intentionally engaging in acts of plagiarism is a violation of the Student Governance and Conduct Code. Cheating will result in a failing grade for the course and possible expulsion.

Open Door Policy

Martin Community College is an equal opportunity institution and maintains an "open door policy" for eligible applicants and serves all students regardless of race, color, creed, sex, age, handicap, religion, or national origin.

Contact Person

If you cannot reach your instructor, you may contact Dr. Phyllis Broughton, Dean of Academic Affairs and Student Services at (252) 792 – 0247 by phone, pbroughton@martincc.edu by e-mail, or in person at her office in Building 2, Room 33.

Accessing the MCC Career Catalog

To access the Martin Community College Career Catalog for policies and curriculum requirements, please go online to www.martincc.edu.

Disability Statement

Martin Community College Supports the Americans with Disabilities Act and is sensitive to the needs of applicants with documented disabilities. If you have a need for a disability-related accommodation, please notify the Student Services counselor at (252) 792-0293.