Bethune-Cookman University
Freshman College

MA112 College Prep Algebra

COURSE OUTLINE

College Prep Algebra  MA 112  3 credit hours  Fall 2008

Instructor: __________________________ Title: _______________________________________
Office Location: ______________________ Office Phone: _____________________________
Email: ______________________________ Office Hours: ______________________________

Date: August 13, 2008

COURSE PREREQUISITES: B-CU Placement Mathematics Examination.

Course Description: This course reviews basic operations in arithmetic on integers, fractions, and decimals, and introduces students to basic concepts of algebra such as solving linear equations and inequalities in one variable, and percent applications; operations on polynomials; simplifying expressions with integer exponents, and factoring polynomials. Emphasis is placed on learning to read the language of mathematics in addition to the use of technology.


Main Course Goal: The main goal of this course is to provide students with a solid foundation in essential arithmetic and introductory algebra skills in preparation for success in Intermediate Algebra (MA 113).

BETHUNE-COOKMAN UNIVERSITY MISSION STATEMENT:
The mission is to serve in the Christian tradition the educational social, and cultural needs of its students—traditional and nontraditional—and to develop in them the desire and capacity for continuous intellectual and professional growth, leadership and service to others. Institutional priorities in the mission of the College are teaching, research, community service and commitment to moral and personal values.

IMPACT ON B-CU MISSION AND INSTITUTIONAL STUDENT LEARNING OUTCOMES (ISLOs)
Through the attainment of the Course Student Learning Objectives (CSLOs), students will acquire knowledge, skills and competencies outlined in the Institutional Student Learning Outcomes (ISLOs), School Student Learning Outcomes, (SSLOs) and Program Student Learning Outcomes (PSLOs). The Course Student Learning Objectives fully support the University Mission and Core Values as stated in the Strategic Plan, as well as the School Goals.

The Institutional Student Learning Outcomes (ISLOs) include the following:
1. Complex cognitive skills
2. Practical knowledge and competency
3. Appreciation of human differences and commonalities
4. Integrated sense of identity and civic responsibility

**FRESHMAN COLLEGE SCHOOL STUDENT LEARNING OUTCOMES (SSLOs) ADDRESSED IN THE COURSE OBJECTIVES**

Upon completing Freshman College courses, freshmen will apply quantitative reasoning through the application of knowledge, skills, and competencies when solving math and real life problems with satisfactory performance on tests, quizzes, exams, and/or other assessments.

**MATH AREA PROGRAM STUDENT LEARNING OUTCOMES (PSLOs) ADDRESSED IN THE COURSE OBJECTIVES**

1. Upon completing Freshman College courses, the student will be able to interpret mathematical models such as formulas, graphs, tables, and schematics and draw inferences from them when solving math and/or real life problems with satisfactory performance on tests, quizzes, exams, and/or other assessments. (PSLO1)
2. Upon completing Freshman College courses, the student will be able to represent mathematical information symbolically, visually, numerically, and verbally when solving math and/or real life problems with satisfactory performance on tests, quizzes, exams, and/or other assessments. (PSLO2)
3. Upon completing Freshman College courses, the student will be able to use a variety of mathematical methods (algebraic, geometric and/or statistical methods, utilizing technology when appropriate) when solving math and/or real life problems with satisfactory performance on tests, quizzes, exams, and/or other assessments. (PSLO3)

**ACADEMIC AFFAIRS VISION:**
Students will graduate B-CU as transformative leaders with complex cognitive skills; practical knowledge and competency; an appreciation of human differences; and an integrated sense of identity and civic responsibility that prepares them to live successfully within a multicultural and global community.

**COURSE STUDENT LEARNING OBJECTIVES AND MEASUREMENTS**

1. The Freshman College Prep Algebra student will demonstrate knowledge of the fundamental concepts of arithmetic and introductory algebra skills.
2. **The Freshman College Prep Algebra student will demonstrate the ability to solve linear equations and inequalities, as well as quadratic equations by factoring. PSLO 1, 2, 3 (exam question/problem demo)**
3. The Freshman College Prep Algebra student will demonstrate understanding of the concepts of this course by applying knowledge to real world problems such as percents, proportions, linear equations, and inequalities.

**Assistance:** You can obtain assistance for mathematics classes in the Tri-Lab Learning Center GS-1. There, you will find course-related videotapes and computer software, and tutors that can help you to successfully complete this course. The Tri-Lab Learning Center hours are located at [http://www4.cookman.edu/freshmancollege/02_math_lab.html](http://www4.cookman.edu/freshmancollege/02_math_lab.html). You do not need an appointment.
The telephone number for the lab is 386-481-2315. If you have a problem with the Math Lab, please contact your instructor.

**Attendance:** You are required to attend classes each week. Three or more of unexcused absences may result in earning an “F” grade.

**Classroom Protocol:** Please do not bring food or drinks into any classroom or lab. Turn off any cellular phone. You are expected to arrive on time to class, depart when the class has concluded, and treat others respectfully. You are encouraged to ask questions. For additional help or assistance, please see your instructor.

**Homework:** Homework will be assigned by your instructor and it may not be turned in late.

**TECHNOLOGY REQUIREMENTS:**
Calculators are not allowed in this course. However, MyMathLab software will be used.

**TOPICAL OUTLINE TEMPLATE**
***See individual instructors’ supplementary outlines for detailed information about courses reflecting specific learning community themes and assignments and plans unique to individual sections. The course will include two library research assignments.***

**Grading:** The final grade will be based on the following components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exams and Quizzes*</td>
<td>60 %</td>
<td>600 Points</td>
</tr>
<tr>
<td>Mid Term Exam</td>
<td>20 %</td>
<td>200 Points</td>
</tr>
<tr>
<td>Homework &amp; Class Participation</td>
<td>20 %</td>
<td>200 Points</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100%</td>
<td>1000 Points</td>
</tr>
</tbody>
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*The exit exam score is not part of the 60%.*

**Final Grades:** In this College Preparatory course, you will earn an S (Satisfactory), NR (No Record), or F (Failure).

To earn a grade of **S** you will need to fulfill **all** of the following requirements:
1. Attend and participate in all lecture classes.
2. Earn 70% grade in all class assignments, activities, exams, and quizzes.
3. Earn a minimum of 70% on the exit test which you must take during final exam week on the date and time designated by the Office of the Registrar.

To earn a grade of **NR** you will need to fulfill **all** of the following requirements:
1. Attend and participate in all lecture classes.
2. Earn 70% grade in all class assignments, activities, exams, and quizzes.
3. Take the exit test which will be given during final exam week on the date and time designated by the Office of the Registrar.

If a student does not fulfill “S” or “NR” requirements, he/she may earn “F” grade.
**Incomplete Policy:** The grade of I (Incomplete) is not usually given in this class. If you are not passing your class, it is not possible for your instructor to give you an “I”. Always talk to your instructor about any new situation that you may have.

**ACADEMIC HONESTY**

Students must submit their own work, and they must acknowledge any outside help they had in preparing an assignment. If anyone copies or paraphrases the words of another writer without acknowledgement or submits another person’s work as his or her own, that person is guilty of plagiarism. **Evidence of cheating or plagiarism will result in the student receiving a grade of “0” for the work and may result in an “F” for the course.** Plagiarism and cheating are major violations of the Student Code of Conduct and may result in the student’s indefinite suspension from the college.