



**ELEMENTARY ALGEBRA  
MTH 098-401**

**SUMMER 2005  
CREDIT HOURS - 4**

**Location:** Class - Room 101 | Lab - Room 101 or 104

**Class Time:** Thursday from 5:30pm – 9:30pm  
Lab: TBA

**Contact Information**

**Instructor:** Robert McWilliams

**Office Location:** Faculty Room #1

**Office Hours:** 7:30am – 4:30pm Monday – Thursday  
7:30am – 4:00pm Friday

**Office Phone # (251) 843-5265** Ext. #:425

**Home Phone # (251) 843-4692** Latest time to call: N/A

**E-mail address:** [rmcwilliams@ascc.edu](mailto:rmcwilliams@ascc.edu)

**Department web address:** <http://www.ascc.edu/divisions/sciences.html>

**Person to contact if instructor is not available:**

**Mrs. Pam Hurst – 843-5265**



## Letter to the Student

Welcome to MTH 098. I am pleased to have you in my class and I am looking forward to helping you. We will be working with Elementary Algebra. When you successfully complete MTH 098, you will be prepared to continue your mathematical skills in MTH100 and/or above classes. I commend you for pursuing your educational goals at ASCC and I will do everything to assist you.

Please read the remainder of this syllabus carefully. I am happy you have chosen ASCC and if you have questions, please do not hesitate to ask me in class.

Sincerely,

*Robert J. McWilliams, Jr.*

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## Course Description

Elementary Algebra is a review of the fundamental arithmetic and algebra operations. The topics include the numbers of ordinary arithmetic and their properties; integers and rational numbers; the solving of equations; polynomials and factoring; and an introduction to systems of equations and graphs.

Prerequisites: MTH090 or equivalent placement score. Not degree creditable.

## Course Objectives/Outcomes:

This course is designed to prepare the student for MTH 100 and beyond. Upon completion of this course, the student should be able to:

1. Perform addition, subtraction, multiplication and division on real numbers.
2. Evaluate and simplify numeric expressions according to the order of operations.
3. Recognize and use the properties of real numbers to simplify numeric and algebraic expressions as well as to solve linear and quadratic equations.
4. Perform polynomial addition, subtraction, multiplication and factorization.
5. Perform addition, subtraction, multiplication and division of rational expressions and solve rational equations.
6. Graph linear equations by plotting points or by using x and y-intercepts.
7. Solve systems of equations by substitution and elimination.

## Textbooks, Materials/Supplies/Lab:

### A. Required:

#### 1. Textbook:

**DEVELOPMENTAL MATHEMATICS, SIXTH EDITION**  
BITTINGER/BEECHER  
ADDISON WESLEY

#### 2. Lab Materials: MyMathLab Student Access Kit

### B. Recommended: (Not Required)

1. STUDENT'S SOLUTION MANUAL FOR DEVELOPMENTAL MATHEMATICS



## Course Requirements/Rules/General Information:

Over the course of the semester, five tests plus a departmental final exam will be given. The student will be given two tries to make an 80% or better on each test, excluding the final. In addition, throughout the semester, there may be projects, quizzes, and/or homework grades that will constitute part of the final grade. For details, see the “Evaluation” section.

### ASSET Testing:

All students enrolled in MTH 098 must have a placement score and an exit ASSET score. This testing will take place in the Testing Center.

### Class Placement

A MTH 098 student should be enrolled in **class and lab** if any one of the following applies:

1. The student scored 13-26 on the algebra portion of the COMPASS test.
2. The student scored 17-19 on the ACT test.
3. The student scored (N) 33-55, (E) 23-47, (I) 23-30 on the ASSET test.
4. The student was enrolled in a previous unsuccessful MTH 098 attempt.
5. The student received an “S” in MTH 090.

### Student Conduct:

Students are expected to be prepared for each class by bringing the textbook, necessary materials for writing, and completed assignments. Calculators are not allowed to be used on tests, therefore it is recommended that students not use calculators on homework in order to facilitate development of necessary computational skills. Class participation is expected, so sleeping, eating, use of cell phones, etc., will not be tolerated in the classroom/lab.

### Attendance:

Students are expected to attend all classes and to be on time. Studies have shown that academic success is more often tied to students’ time spent in class than to the time spent studying. You are allowed four (4) “clock” hours of absence during the semester. This includes lecture and lab. I do not judge whether your absence is valid or not, which means that there are no excused or unexcused absences (except those designated by the college authority); thus, you may use four (4) hours without penalty for whatever emergency/illness/personal time/etc. which you encounter over the course of the semester. Absence from class does not eliminate your responsibility to turn assignments in on time. It is your responsibility to determine what lessons, assignments, and work you have missed. Assignments are due whether you are absent or not. If absence and tardies exceed four (4) hours, you will be dropped from the course and required to repeat the course. You may be assigned a grade of “U” and dismissed from the class based upon this and present grade/performance standing.

Entering and leaving the classroom after class has begun is disruptive, therefore, students who arrive late are counted absent and must see the instructor immediately after class to change this to tardy. Three tardies constitute an absence. If a student leaves class early without prior permission and a legitimate reason, the student will be counted absent.



## **Course Requirements/Rules/General Information (con.):**

### Withdrawal:

The last day to withdraw from this course is **July 13, 2005**, which is two weeks after midterm. See catalog for details. Students should discuss this matter with the instructor and advisor before taking this step. Any student who quits attending without official withdrawal will receive a grade of "U".

### Available Support Services:

Free tutoring is available to all students enrolled at Alabama Southern. Please contact Ginger Glass in Thomasville, Tamekia Preyer in Monroeville, and/or Debbie Jimerson in Gilbertown. In addition, videos from the publisher are available in the library for viewing and computer software that accompanies the textbook is online in the computer lab. In addition, videos from the publisher are available in the library for viewing at any time and computer software that accompanies the textbook is online in the computer lab. Utilize the office hours posted by the instructor for help outside of class.

### **Disability Statement**

**If you have a disability that you believe requires an accommodation, please contact the Office of Disability Services at 251-575-3156 ext 620. Please ask to speak to Bridgett Shewmake.**

### Academic Dishonesty:

If a student is caught cheating, the student will immediately be given a zero on the test/quiz/assignment and no make-up will be allowed.



## Evaluation:

### C. Grading criteria:

#### 1. Exams

Five tests plus the final exam will be given in this course. For each test, the student will have two tries to make 80% or better. The retest must be scheduled with the testing center and must be completed before the next test unless approved by the instructor. The average of the five tests will constitute 60%, lab assignments make up 15% (see below) and the comprehensive, departmental final exam will be 25% of the course grade.

The student must have a 70% average or better to receive an "S" in the course. (The student will receive an "SA" if the average is 90% or better.) If the average is less than 70 after retakes and the student's effort and attendance are good, then a grade of "IP" will be assigned. This means the student should sign up for MTH 098 + MTH 098 Lab again, at which time many students feel they learn many things they missed the first time. The grade of "U" is assigned when there are effort and attendance problems.

If the student has not completed all tests and/or has an average of less than 70, then the student will not be allowed to take the final exam or the exit ASSET test.

#### 2. Assignments

All lab/homework assignments should be attempted and completed. Any projects, graded homework, or quizzes completed for lab will count 15 % of the final grade.

**D. Grade Scale**

%	Lab	Grade
$90 \leq x \leq 100$		SA*
$70 \leq x < 90$	S	S
$< 70$		IP
$< 70$ with effort and attendance problems		U

\* A grade of SA exempts the student from taking a lab in concert with MTH 100.

**E. Missed exam and assignment policies:**

Students should be present for all scheduled quizzes and tests, with only a genuine emergency as a reason for missing. If such an occasion arises, the student must contact the instructor by phone, voice mail or email PRIOR to missing the quiz or test. You must see the instructor the day you return to school to see if a make-up test will be allowed (instructor's option). If a make-up is allowed, it will be scheduled within 24 hours of your return. All make-ups and retests will be scheduled in the Testing Center. Note: Only one make-up test or quiz per student per semester will be allowed.



## Tentative Course Outline MTH 098 – Elementary Algebra

<u>Class Meeting</u>	<u>Section(s)</u>
1	7.1, 7.2, 7.3, 7.4
2	7.5, 7.6, 7.7, 7.8
3	8.1, 8.2, 8.3
4	8.4, 8.5, 8.6
5	8.7, 8.8
6	Review
7	Test 1
8	10.1, 10.2
9	10.3, 10.4
10	10.5, 10.6
11	Review
12	Test 2
13	11.1, 11.2
14	11.3
15	11.5, 11.6
16	11.7, 11.8
17	Review
18	Test 3
19	12.1, 12.2
20	12.3, 12.4
21	12.5, 12.8
22	12.6, 12.7
23	Review
24	Test 4
25	9.1
26	9.2, 9.3
27	14.2, 14.3
28	Review
29	Test 5
30	Final Review Final Exam (comprehensive)