MAYLAND COMMUNITY COLLEGE
Welcomes You To:
MAT 070.11 Introductory Algebra
4 Credit hours – 5 contact hours
Fall 2007
Note: THESE HOURS **DO NOT** COUNT AS COLLEGE CREDIT TOWARD GRADUATION NOR ARE THEY USED IN CALCULATING YOUR GPA.

Course Description:
This course establishes 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.

Pre-requisites: Mat 060 **Co-requisites:** RED 080

Instructor Information:

Instructor:	Larry Shook
Office Location:	Room P37
Telephone Number:	828-765-7351, ext 229
E-mail Address:	lshook@mayland.edu
Office Hours:	I maintain an open door policy for office hours and, if I am not in class or in a meeting I am available to you. In particular, please avail yourself of any of my posted office hours. Additional office hours are also available by appointment.

Course Information:

Meeting days and time:	Monday, Wednesday, Friday 10:00 – 11:25
Required Text(s):	Larson, Ron. Elementary Algebra: Student Support Addition Boston, MA: Houghton Mifflin, 2008
Required supplies:	Required material for this class is a TI-83 graphing calculator. Lab packet (available through the bookstore)

Course Objectives:
This class is designed to expand your awareness of mathematics in the real world and provides an integrated approach to algebraic topics used in problem solving. Students will:

1. Communicate mathematical concepts and problems to others clearly and accurately.
2. Use basic algebra skills to solve application problems.
3. Use scientific and graphing calculators accurately and appropriately.
4. Develop the ability to critically analyze a problem and select the most appropriate method of solution.
5. Be adequately prepared for success in college level mathematics.

Competencies: At the end of the course, students will be able to:

1. Solve problems involving signed numbers.
2. Use order of operations to evaluate expressions
3. Graph in the rectangular coordinate plane. Find the slope of lines, find the equation of a line; graph linear inequalities; apply basic area and volume formulas.
4. Simplify algebraic expressions. Solve linear equations and inequalities.
5. Add, subtract, and multiply polynomials. Factor and solve quadratic equations by factoring.

Attendance Policy/Tardiness/Make-Up Work:
Roll will be taken and you are expected to be in class each time it meets. Leaving class early or coming in late is counted as an absence. You will be allowed one cut without grade penalty. If you must miss a class you are responsible for obtaining notes, arranging for help on any material that you do not understand, and for turning any work due in a timely manner. No absence is excused beyond the one allowed cut, except for personal religious holidays (see me in advance). NOTE: Any student with 4 or more absences will be penalized 50 grade points for this class, exceptions made only at the discretion of the instructor. Additionally, students will automatically receive a grade of **F** for the course if they have 9 or more absences.

Note: If a student has not been in contact with the instructor and has not attended class for a consecutive two-week period, an administrative withdrawal will be submitted by the instructor.

Grading Criteria/Tests/Projects:
The final grade will be determined as follows:

5 chapter tests @ 100 points each	500 points
Comprehensive final @ 200 points	200 points
Attendance @ ≈ 1.5 point per class	50 points
Quizzes	100 points
Labs/homework	50 points
Total points	900 points

Grading Scale:

A = 832- 900
B = 760 - 831
C = 688 - 759
D = 630 - 687
F = 629 or below

Note: This course has a required comprehensive final exam worth 200 points. Students MUST score a passing grade of 70% or better on the final in order to pass this course. NO EXCEPTIONS WILL BE MADE TO THIS RULE. Passing the final does not ensure passing the course. Your grade must average out to passing according to the scale above.

Academic Standards/Student Expectations/Ethics:
Assignments: All homework will be reviewed each day for the previous class. Labs are done in class, but may be made up.

Tests: There will be **no makeup tests** given except in extreme cases, and at my discretion. All work must be shown to receive partial credit on any test.

Late Work: I will not accept any late work for any reason!

Behavior: Students are expected to behave appropriately in class. Any excessive talking, profanity, leaving class or other inappropriate behavior will result in the student being asked to leave the class. A conference with student services will be required to return to class. Any one cheating on a test or quiz will be given a zero for the assignment and referred to the Academic Dean for disciplinary action.

Incompletes: Incompletes will be granted **ONLY** in extreme circumstances and at my sole discretion. If an incomplete is granted, it is the student's responsibility to see that all aspects of the syllabus are completed prior to May 1, 2008. There will be no reminders sent or phone calls made to prompt the student to cure the incomplete. If the incomplete is not cured by the deadline above, the incomplete will automatically convert to an F for the course, and the entire course must be repeated.

Withdrawal Dates: If you wish to audit this course, you must file a drop/add form with the registrar prior to August 24. If you cannot meet the course requirements or you must withdraw from this class, you must file a drop form with the registrar to avoid a failing grade on your transcript. You can withdraw unconditionally without grade penalty prior to September 25. From September 26 to November 1st, you can withdraw with a grade of WP or WF, to be determined by the instructor. You may not withdraw from any class after November 1st. Exceptions to this deadline will be made only in cases of extreme emergency (such as serious illness or family emergency.) This is a school wide Mayland Community College policy.

Inclement Weather Procedures: Students must use wisdom and discretion in case of inclement weather considering the geographic area in which we live. While this is college and students are expected to attend class, it is not advisable for students to risk bodily harm or property damage to attend. If students must miss classes due to weather or for some other excused reason such as a doctor's appointment or sickness, I will trade documented tutoring time for class time. This must be time with an assigned tutor, the math lab, or me.

It is possible that day classes can be cancelled, but night classes will be held, or vice versa. It is necessary that you either call the school or listen to the radio stations that report school closings to determine whether or not class is being held on days when the weather is uncertain. In the event classes are on a 2 hour delay, class will meet from 11:30 – 12:30 p.m.

Additional Information:
Any student requesting special accommodations for this course due to a disability should apply for services through the SOAR Office or the Counseling Center, which will document the disability. A counselor will then help determine which accommodations, if any, the student deeds for success in this course.

Disclaimer: While I have attempted to be as thorough as possible with this syllabus, course procedure may vary from this outline to meet the needs of this particular group. All dates contained in this syllabus are subject to change due to the weather and/or the discretion of the instructor.

Course Outline/Weekly Topics

Date:	Sec.:	Problem numbers:	Lab: TBA
Aug. 20			
Aug. 22	Sec. 1.1	1 through 77, every other odd	
Aug. 24	Sec. 1.2	1 through 89, every other odd	
Aug. 27	Sec. 1.3	1 through 97, every other odd	
Aug. 29	Sec. 1.4	1 through 161, every other odd	
Aug. 31	Sec. 1.5	1 through 117, every other odd	
Sept. 5	Review		
Sept. 7	Test 1		
Sept. 10	Sec. 2.1	1 through 81, every other odd	
Sept. 12	Sec. 2.2	1 through 149, every other odd	
Sept. 14	Sec. 2.3	1 through 81, every other odd	
Sept. 17	Sec. 2.4	1 through 73, every other odd	
Sept. 19	Review		
Sept. 21	Test 2		
Sept. 24	Sec. 3.1	1 through 73, every other odd	
Sept. 26	Sec. 3.2	1 through 81, every other odd	
Sept. 28	Sec. 3.3	1 through 101, every other odd	
Oct. 1	Sec. 3.4	1 through 85, every other odd	
Oct. 3	Sec. 3.5	1 through 77, every other odd	
Oct. 5	Sec. 3.6	1 through 81, every other odd	
Oct. 10	Review		
Oct. 12	Test 3		
Oct. 15	Sec. 4.1	1 through 73, every other odd	
Oct. 17	Sec. 4.2	1 through 85, every other odd	
Oct. 19	Sec. 4.3	1 through 97, every other odd	
Oct. 22	Sec. 4.4	1 through 105, every other odd	
Oct. 24	Sec. 4.5	1 through 69, every other odd	
Oct. 26	Review		
Oct. 29	Test 4		
Oct. 31	Sec. 5.1	1 through 189, every other odd	
Nov. 2	Sec. 5.2	1 through 101, every other odd	
Nov. 5	Sec. 5.3	1 through 77, every other odd	
Nov. 7	Sec. 5.4	1 through 73, every other odd	

Nov. 9	Review		
Nov. 14	Test 5		
Nov. 16	Sec. 6.1	1 through 117, every other odd	
Nov. 19	Sec. 6.2	1 through 81, ever other odd	
Nov. 21	Sec. 6.3	1 through 113, every other odd	
Nov. 26	Sec. 6.4	1 through 125, every other odd	
Nov. 28	Sec. 6.5	1 through 65, every other odd	
Nov. 30	Review		
Dec. 3	Test 6		
Dec. 5	Review		
Dec. 7	Review		
Dec. 10	Review		
Dec. 12	Review		
Dec. 14	Final Exam		
Dec. 17	Make-Up Final		