

**Marshall University  
Syllabus**

Course Title/Number	<b>MTH 127: College Algebra – Expanded Section 109 CRN 3035</b>
Semester/Year	Fall 2015
Days/Time	MTWRF 3:00 – 3:50
Location	Smith Hall 516
Instructor	Dr. Michael Otunuga
Office	WAEC 3229 (Engineering Building)
Phone	304-696 3049
Textbook	College Algebra by Ron Larson, 9 <sup>th</sup> edition ISBN: 9781305746442
Calculator	TI-83 or similar
E-Mail	<a href="mailto:otunuga@marshall.edu">otunuga@marshall.edu</a>
Office/Hours	MTWRF 2-3pm, 4-5pm. Others by appointment. To make an appointment, email in advance when possible.
University Policies	By enrolling in this course, you agree to the University Policies listed below. Please read the full text of each policy by going to <a href="http://www.marshall.edu/academic-affairs">www.marshall.edu/academic-affairs</a> and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to <a href="http://www.marshall.edu/academic-affairs/?page_id=802">http://www.marshall.edu/academic-affairs/?page_id=802</a>  Academic Dishonesty/ Excused Absence Policy for Undergraduates/ Computing Services Acceptable Use/ Inclement Weather/ Dead Week/ Students with Disabilities/ Academic Forgiveness/ Academic Probation and Suspension/ Academic Rights and Responsibilities of Students/ Affirmative Action/ Sexual Harassment

**Course Description: From Catalog**

A brief but careful review of the main techniques of algebra, including but not limited to polynomial; rational; exponential; and logarithmic functions; graphs; systems of equations; etc.

**Course Content**

<b>Course Content</b>	<ul style="list-style-type: none"> <li>➤ Basic Concepts of Algebra</li> <li>➤ Graphs, Functions, and Models</li> <li>➤ More on Functions</li> <li>➤ Quadratic Functions, equations, and Inequalities</li> <li>➤ Polynomial and Rational Functions</li> <li>➤ Exponential and Logarithmic functions</li> <li>➤ Systems of Equations and Matrices</li> </ul>
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The table below shows how each student learning outcomes will be practiced and assessed in the course.

Course Student Learning Outcomes	How <b>students will practice each outcome</b> in this Course	How <b>student's achievement will be assessed</b> in this Course
Students will employ quantitative and analytical methods to solve problems drawn from basic algebra and geometry.	Discussions, group work, board work, homework	Participation in quizzes, homework, Comprehensive final exam covering concepts encountered in higher math courses.
Students will solve real-world problems using techniques that employ systems of linear equation or method of variation.	Discussions, group work, board work, homework	Participation in quizzes, and presentation/explanation of homework solutions to classmates
Students will demonstrate the ability to work with equations and inequalities symbolically, visually, and numerically.	Discussions, group work, board work, homework.	Tests and quizzes, including problems requiring synthesis of many ideas to solve problems

### Course Requirement

**Attendance:** Attendance **is required**. Unexcused absences from **nine** classes will result in a reduction of one letter grade for the semester; unexcused absences from **twelve or more** classes will result in an F. **You will not be allowed to take makeup quizzes or exams, homework, etc. unless you have a university excuse.** If an excused absence results in missing quiz/exam/hw, then a make-up date (*within one week of absence*) must be scheduled with course instructor. Use of cell phone or sleeping during class will be counted as an unexcused absence. Consult your handbook regarding university excused absences.

**Homework:** Homework will be assigned weekly. Students are advised to finish the problems before the due date.

**Quizzes:** There will be a brief quiz during class meetings on Wednesday and Friday. Make-up quizzes are only given in the event of a university-excused absence.

**Classwork:** Classwork will be given to students. Students are to work in group.

**Tests:** There will be 3 in-class tests during the semester. **For past exam questions, visit my website at <http://science.marshall.edu/otunuga/> and click old exam.** If you know in advance that you will have an excused absence on a test date, please make arrangements to take the test early. Make-up exams will only be given in the event of a university-excused absence.

**Final Exam:** The final exam will be on **Monday Dec. 7, 2015 from 3:00-5:00pm**. Please make travel arrangements accordingly. Make-up/early tests will not be available to accommodate individual travel plans.

## Grading Policy

Attendance	25pts
Quizzes	75pts
Homework	50pts
Three major exams	300pts
Final ( comprehensive ) exam	150pts
The grading scale is rigid.	
90.00 – 100	A
80.00 – 89.99	B
70.00 – 79.99	C
60.00 – 69.99	D
Below 60.00	F

## TENTATIVE COURSE SCHEDULE (may change according to class pace)

Week (Mon - Fri)	Section Coverage	Activities
Week 1 (8/24-8/28)	P1-P4	
Week 2 (8/31-9/4)	P5-P6, 1.1-1.2	
Week 3 (9/7-9/11)	1.3, 1.4, 1.5	
Week 4 (9/14-9/18)	1.6, 1.7, 1.8, Review	Test 1:
Week 5 (9/21-9/25)	2.1, 2.2,	
Week 6 (9/28-10/2)	2.3, 2.4,	
Week 7 (10/5-10/9)	2.5, 2.6	
Week 8 (10/12-10/16)	2.7, 3.1, 3.2	
Week 9 (10/19-10/23)	3.3, 3.4, 3.5	Test 2
Week 10 (10/26-10/30)	4.1, 4.2,	
Week 11 (11/2-11/6)	4.3, 4.4, 4.5,	
Week 12 (11/9-11/13)	5.1, 5.2, 5.3,	
Week 13 (11/16-11/20)	5.4, 5.5, 5.6	Test 3
Week 14 (11/23-11/27)	Thanksgiving	
Week 15 (11/30-12/4)	6.1, 6.2, 6.3, Revision	
Week 16 (12/7-12/11)	Exam Week	Final Exam: Monday 12/7, from 3:00-5:00pm