**Syllabus**

**Course title/number:** College Algebra Expanded Version, MTH 127-102, CRN:3028

**Text Book**: College Algebra (9th edition) by Ron Larson

**Semester/year**: Fall 2015

**Days/time**: MTWRF 9:00am-9:50am

**Location**: SH 518

**Instructor:** Kusum Subedi

**Office**: SH 743 D

**Phone**: 66081

**E-Mail**: subedik@marshall.edu

**Office hours**: MTWRF 10:00am-11:00am, other hours by appointment

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 [www.marshall.edu/academic-affairs](http://www.marshall.edu/academic-affairs) and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to <http://www.marshall.edu/academic-affairs/?page_id=802>

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:

Basic concepts of algebra; Graphs, Functions and Models; Functions, Equations and Inequalities; Polynomial and Rational functions; Exponential and Logarithmic functions; Systems of equations and Matrices.

COURSE OBJECTIVES:

On completion of MTH 127, students will:

* have developed the basic mathematical skills to solve applied problems from the physical, social, and life sciences. These skills include graphing elementary (rational, exponential, logarithmic) functions, interpreting these graphs, solving quadratic, exponential, logarithmic equations; solving rational inequalities and finally, solving systems of linear equations in three variables
* be able to set up mathematical models to represent real world situations, again focusing on problems from the physical, social and life sciences.
* be prepared for further studies in mathematics.

PREREQUISITE: ACT 19 or SAT 460 or MTH 097

EVALUATION: There will be,

6 Midterm tests(according to the following schedule)

6 quizzes(every other Monday)

Homework assignments (almost every day), and

a Final exam( comprehensive)

Homework assignments will not be graded, but you must do them all.

All the exams are based on the homework problems.

No make up test will be given. Your best 4 midterm tests (lowest two dropped) and 4 quizzes (lowest two dropped) will be counted towards your final grade.

EXAMINATION SCHEDULE:

EXAMS DATE COURSE COVERAGE (tentative)

Midterm 1 Mon, Sept. 14 Chapter P

Midterm 2 Mon, Sept 28 Chapter 1

Midterm 3 Mon, Oct. 12 Chapter 2

Midterm 4 Mon, Oct. 26 Chapter 3

Midterm 5 Mon, Nov. 9 Chapter 5

Midterm 6 Tue, Dec. 1 Chapters 4 and 6

Note: The course coverage is tentative. If there is a change you will be notified in class.

COMPREHENSIVE FINAL EXAM:

Friday, Dec. 11, 8:00am-10:00am, SH 518

GRADING SCALE:

Points Possible Points Grade

Midterm tests 400 540-600 A

Quizzes 100 480-539 B

Final Exam 100 420- 479 C

Total 600 360-420 D

0-359 F

In order to pass this course you have to get 60% or higher overall grade and 50% or higher attendance.

CALCULATOR: A Graphing calculator is required.

NO CELL PHONE: You are not allowed to use cell phone or any other devices during the class as well as during the test.

TUTORING FACILITIES: Marshall University provides multiple options for on-campus tutoring. The Mathematics Department tutoring lab is located in Smith Hall 115. The University College has an all subject tutoring lab on the first floor of Laidley Hall. It is the student’s responsibility to utilize these facilities.