



**Marshall University**  
**College of Science**

**School of Mathematics and Informatics**  
**MTH 130 Syllabus**

**Course**

MTH 130 College Algebra – Section 111 CRN 3012

**Course Description**

A brief but careful review of the main techniques of algebra. Polynomial, rational, exponential, and logarithmic functions. Graphs, equations and inequalities, sequences.

**Credits**

3 credit hours.

**Prerequisites**

ACT Math 21 or New SAT Math 530 or Old SAT Math 500 or above

**Courses that have MTH 127/130 as a prerequisite:**

- Graduation Requirement for College of Business
- MTH 122 - Trigonometry, MTH 132 - Precalculus, MTH 140 - Applied calculus
- CHM 111, CS 110, CI 248, ENGR 221, IST 420/421, PS 109, PHY 101, PHY 201

**Term/Year**

Fall 2018

**Class Meeting Days/Times**

This is an online course. There are not specified meeting days/times.

**Location**

This is an online course. All course materials are located on MUOnline/Blackboard.

**Academic Calendar**

For beginning, ending, and add/drop dates, see the [Marshall University Academic Calendar](http://www.marshall.edu/calendar/academic) (URL: <http://www.marshall.edu/calendar/academic> ).

## Instructor

Shannon Miller-Mace

## Contact Information

Office: SH 741B

Office Hours: MTW 9:00am – 11:00am, and by appointment.

Office Phone: (304)696-3796

Marshall Email: miller207@marshall.edu

## Required Texts, Additional Reading, and Other Materials

1. Account with Knewton Alta homework management system.
2. Free student account for Desmos website.
3. TI-30 Calculator or equivalent. Cell phone or smart device calculators are not permitted.
4. Access to a computer with internet service for MUOnline, Knewton Alta, and Desmos.

## Course Student Learning Outcomes

The table below shows the following relationships:

<b>Course student learning outcomes</b>	<b>How students will practice each outcome in this course</b>	<b>How student achievement of each outcome will be assessed in this course</b>
Students will identify and implement appropriate solution methods for single-variable equations	Knewton Alta lessons and Desmos activities	Knewton Alta Assignments, Unit Tests, and Final Exam on MUOnline
Students will identify and graph standard algebraic functions	Knewton Alta lessons and Desmos activities	Knewton Alta Assignments, Unit Tests, and Final Exam on MUOnline
Students will interpret graphs of functions	Knewton Alta lessons and Desmos activities	Knewton Alta Assignments, Unit Tests, and Final Exam on MUOnline
Students will construct functions to model applications	Knewton Alta lessons and Desmos activities	Knewton Alta Assignments, Unit Tests, and Final Exam on MUOnline

<b>Course student learning outcomes</b>	<b>How students will practice each outcome in this course</b>	<b>How student achievement of each outcome will be assessed in this course</b>
Students will communicate written mathematics using appropriate notation and explanation in English	Knewton Alta lessons and Desmos activities	Knewton Alta Assignments, Unit Tests, and Final Exam on MUOnline

## Course Requirements

Students will utilize an MUOnline/Blackboard ([www.muonline.marshall.edu](http://www.muonline.marshall.edu)) to participate in **Discussion Forums** and access the course learning materials including **Knewton Alta Assignments** and **Desmos Activities**. Students will be assessed in MUOnline/Blackboard by taking **Tests** and the **Final Exam**. (see Due Dates in Course Schedule on this syllabus)

The course learning materials, **Knewton Alta Assignments and Desmos Activities**, will be rolled out Unit by Unit as the semester progresses and are open book/open note assignments. A course schedule (including hard and soft due dates) is provided below and embedded in the MUOnline course to provide a steady pacing through the material. **Tests** and the **Final Exam** are closed book/closed notes assessments, and to help preserve the integrity of the course, will be taken in one of two ways 1) using Respondus Lockdown Monitor with webcam or 2) setting up a proctoring session on campus. (see Proctoring Information link in MUOnline).

## Grading Policy

**Desmos Activities** (worth 10 points each) make-up 15% of the semester grade and are learning assignments. Students should resubmit until they earn full credit. **Knewton Assignments** (worth 10 points each) will be worth 20% of the semester grade and are open book, open notes assessments. As long as students successfully complete them by the due date, they will earn full credit. Partial credit is awarded for any work completed on the assignment, even if it is not complete. Each **Unit Test** (three tests) will be worth 15% and the **Comprehensive Final Exam** (one exam) will be worth 20% of the semester grade. Students have two attempts on Unit Tests and one attempt for the Final Exam.

### **Grade Categories**

Desmos Activities	15%
Knewton Assignments	20%
Test 1	15%
Test 2	15%
Test 3	15%
Comprehensive Final Exam	20%
<b>Total</b>	<b>100%</b>

### **Grade Scale**

A = 90 – 100%

B = 80 – 89%

C = 70 – 79%

D = 60 – 69%

F = Below 60%

## **Attendance Policy**

There is no attendance policy for this online course. However, all assignments, activities, and tests have strict due dates that must be met.

## **University Policies**

By enrolling in this course, you agree to the University Policies. Please read the full text of each policy (listed below) by going to [Academic Affairs: Marshall University Policies](http://www.marshall.edu/academic-affairs/policies/). (URL: <http://www.marshall.edu/academic-affairs/policies/> )

- Academic Dishonesty Policy
- Academic Dismissal Policy
- Academic Forgiveness Policy
- Academic Probation and Suspension Policy
- Affirmative Action Policy
- Dead Week Policy
- D/F Repeat Rule
- Excused Absence Policy for Undergraduates
- Inclement Weather Policy
- Sexual Harassment Policy
- Students with Disabilities (Policies and Procedures)
- University Computing Services Acceptable Use Policy