

**MTH 127-113 (2989) – College Algebra Expanded Version
Fall 2018**

Days/Time	MTWRF 1:00 – 1:50
Location	SH 624 (MW) / HH 102 (TRF)
Instructor	Stacy Scudder
Office	SH 743F
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E-Mail	scudder@marshall.edu
Office Hours	MWF 8:00 a.m. – 8:50 a.m. TR 11:00 a.m. – 11:50 a.m. W 12:00 p.m. – 12:50 p.m. 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 and clicking on “Marshall University Policies.” Or, you can access the policies directly by going to www.marshall.edu/academic-affairs/policies/.

Course Description: From Catalog

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

Prerequisite: Math ACT 17-20 or C or better in MTH 099, MTH 102, or MTH 102B. 5 credit hours.

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

This course is intended to prepare students for MTH 132. It will prepare students for subsequent courses in trigonometry and calculus that use algebra.

Required Texts, Additional Reading, and Other Materials

Textbook: College Algebra with Integrated Review ISBN: 978-1-944894-97-9 (with textbook) or 978-1-944894-98-6 (with e-book only)

Activities Website: Free student account for Desmos.com website.

Calculator: TI-30 (any TI-30 is acceptable (TI-30X IIS recommended), TI-34 or 36 are not). Cell phone and smart device calculators are not permitted.

Internet Access: Students will need access to a computer and internet in order to complete Hawkes online homework, Desmos interactive activities, and other MUOnline/Blackboard assignments.

Course Student Learning Outcomes	How students will practice this outcome	How students will be assessed on this outcome
Identify and implement appropriate solution methods for single-variable equations	Online homework, written assignments, in-class activities	Course exams and common final
Identify and graph standard algebraic functions	Online homework, written assignments, in-class activities	Course exams and common final
Interpret graphs of functions	Online homework, written assignments, in-class activities	Course exams and common final
Construct functions to model applications	Online homework, written assignments, in-class activities	Course exams and common final
Communicate written mathematics using appropriate notation and explanation where appropriate	Online homework, written assignments, in-class activities	Course exams and common final

Attendance Policy

Attendance is required in the TRF portion of our course in order to complete the variety of in-class assignments assigned each day. Attendance is also required on MW lab days to be able to complete in lab activities. Only University excused absences will warrant make-up assignments or tests.

Course Requirements / Due Dates

Students will utilize Hawkes Learning System (www.learn.hawkeslearning.com) for the **Learn and Practice** portion of each lesson, as well as Desmos (www.desmos.com) to complete **Activities** related to those lessons. Students will be assessed on their learning by completing **Certifications** (www.learn.hawkeslearning.com) in the Hawkes Learning System and taking **Tests** in class.

- 1) Learning Activities:** The “activities” portion of the course will contain items from our TRF in-the-classroom experience like activities, challenge questions, quizzes, individual worksheets, lecture discussion, etc. All of these grades, including the Desmos Activities, will count toward the activities portion of your grade.
- 2) Homework Certifications:** Each textbook section corresponds to at least one homework (Certify) section in the Hawkes learning system. Many assignments have prerequisite sections that must be completed prior to attempting the assignment. These prerequisites are review and reinforcement of mathematical topics that support the material you are learning in class. They are listed on the course schedule as “Prep work” and you should read through the “Learn” screens and attempt the assignments prior to the lab day for which they are assigned. **All assignments must be completed this semester, even if you have some certifications from previous semesters.**
- 3) Tests:** There will be three midterm exams as outlined in the course schedule. Exam dates are September 11, October 9, and November 6 for classes with MW Lab.
- 4) Common Final Exam:** The common final exam for MTH 127 will take place on **Saturday December 8** from 2-4 pm. You may use the required calculator for the course (TI-30), but no other assistance (formula sheets, notebooks, phones, or other internet connected devices) will be permitted. **You must bring your own calculator or do without. There will be NO sharing of calculators permitted during the exam.**

Grading Policy:

Activities make-up 15% and Certifications will be worth 20% of the semester grade. Each Unit Test (three total) will be worth 15% and the Comprehensive Final Exam (one exam) will be worth 20% of the semester grade.

Grade Calculation

Learning Activities	15%
Homework Certifications	20%
Tests (3 total)	45%
Common Final Exam	20%
Total	100%

Grade Scale

A = 90 – 100%
B = 80 – 89%
C = 70 – 79%
D = 60 – 69%
F = Below 60%

The Final Exam is scheduled for Saturday, December 8th, 2018 at 2:00pm.