

# Syllabus

## MTH 127 College Algebra—Expanded Spring 2017 Sec 212 CRN 4108

**Instructor:** Nick Bedway  
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**Office Hours:** By Appointment  
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**Required Texts:** *College Algebra* (2<sup>nd</sup> Edition) by Sisson ISBN-13: 978-1-133-96302-8

**Computer Requirements:** This class requires access to the Hawkes Learning System. All students must purchase a code (this code is included in the cost of the book). This class also requires a graphing calculator. The math department recommends the TI-83/TI-84. This is the calculator I will utilize in class. All electronic communications will be through your Marshall E-Mail. If you use another e-mail service, please have your Marshall e-mail forwarded to that e-mail address.

**University Computing Services' Acceptable Use Policy:** All students are responsible for knowing this policy, which can be found on the web at <http://www.marshall.edu/academic-affairs/policies/#UCS>.

**Course Description:** College Algebra – Expanded Version (5 hours) A brief but careful review of the main techniques of algebra. Polynomial, rational, exponential, and logarithmic functions. Graphs, systems of equations and inequalities, sequences. (PR: Math ACT 19 or MTH 102 or MTH 102B) This course is designed to give students a solid understanding of algebra and how it is used. In order to facilitate the students' use of mathematics in their lives, the graphing calculator will be utilized so that the students can apply the ideas learned in the classroom.

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

- MTH 122 – Trigonometry, MTH 132 – Pre-Calculus, MTH 140 - Applied Calculus
- CHM 111, CS 110, CI 248, ENGR 221 IST 420/421, PS 109, PHY 101
- Graduation requirement for College of Business

Course Student Learning Outcomes	How students will practice each outcome in this Course	How student achievement of each outcome will be assessed in this Course
Identify and implement appropriate solution methods for single-variable equations	Students will practice this outcome by doing homework and in class activities	Students will be assessed on this outcome using online homework assignments, tests and comprehensive final exam.
Identify and graph standard algebraic functions	Students will practice this outcome by doing homework and in class activities	Students will be assessed on this outcome using graphing calculator assignments, online homework assignments, tests and comprehensive final exam.
Interpret graphs of functions	Students will practice this outcome by doing homework and in class activities	Students will be assessed on this outcome using online homework assignments, tests and comprehensive final exam.
Construct functions to model applications	Students will practice this outcome by doing homework and in class activities	Students will be assessed on this outcome using online homework assignments, tests and comprehensive final exam.
Communicate written mathematics using appropriate notation and explanation in English	Students will practice this outcome by doing homework and in class activities	Students will be assessed on this outcome using online homework assignments, tests and comprehensive final exam.

**Academic Honesty:** Students are expected to present their own work on all tests and homework quizzes. Asking questions, discussing solutions with other students —**not copying the work**— is an essential part of the learning process. **Know the difference.** If you have any questions about the policy to be followed, please see pages 73-74 of the 2016-17 undergraduate catalog or go to this webpage: [http://www.marshall.edu/catalog/files/UG\\_16-17\\_published\\_08-25-16.pdf](http://www.marshall.edu/catalog/files/UG_16-17_published_08-25-16.pdf)

**Inclement Weather Policy:** Any announcement about school closings may be found by: announcements on one of the four local FM radio stations: Big Country 99.5, The River 101.5, Sunny 93.1, and The Frog 92.1; check the website [www.marshall.edu/movc](http://www.marshall.edu/movc); or the weather hotline (304) 674-7239.

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**Disabled Students:** IF YOU HAVE ANY DISABILITY that may prevent you from full participation in any of the activities of this class, please let me know as soon as possible so that arrangements can be made and be sure to register with the Office of Disabled Student Services or with the H.E.L.P program. Accommodations in testing, readers, tutors, and extra help sessions are available, but only after a discussion with the office of D.S.S. or H.E.L.P and me.

**Equal Opportunity/Affirmative Action Policy:** This course will follow Marshall University's policy on Equal Opportunity/ Affirmative Action, which can be found on p. 70 of the 2016-17 undergraduate catalog or go to this webpage:

[http://www.marshall.edu/catalog/files/UG\\_16-17\\_published\\_08-25-16.pdf](http://www.marshall.edu/catalog/files/UG_16-17_published_08-25-16.pdf). Specifically, all students will be afforded equal opportunity without regard to race, color, sex, religion, age, disability, national origin, or sexual orientation.

**Attendance Policy:** You will gain the most from this course by attending and participating. Therefore, unexcused absences from three or more classes will result in an F. Students must provide evidence to justify a University Excused Absence on the first day you return to class.

**Homework Assignment Policy:** Homework will be assigned every class meeting. Online homework assignments will also be assigned and need to be completed by the due dates in the assignments.

**Exam Policy:** There will be a total of three in-class exams and one comprehensive final covering the material from the text. The approximate time-frame for these exams is given later in the syllabus. Valid excuses for missing an exam fall into five categories: university-sponsored activities; student illness or critical illness/death in the immediate family; short-term military obligation; jury duty or subpoena for court appearance; or religious holidays. If you miss an exam due to an excused absence, you are allowed to take a makeup test at the instructor's and your earliest convenience. If you miss a test due to an unexcused absence, you will receive a grade of 0 for that test. By university policy, an unexcused absence from a final exam earns an F in the course (page 94 of the 2016 – 17 undergraduate catalog). **The final will be on Monday, May 1, 2017 at 6:30 pm in our classroom (Rm. 113).**

## Evaluation/Measurement of Learner Outcomes

Online Homework Assignments	20.0%, 200 points
Exams (3 @ 20% each)	60.0%, 600 points
Final	20.0%, 200 points
Total	100.0%, 1000 points

## Assessment Evaluation Methods:

- Twenty homework assignments worth 10 points each will be evaluated by multiple choice questions and short answer questions. The course grade will be computed using the exact point scores.
- Three exams will be evaluated by multiple choice questions and written questions. Letter grades will be assigned for each exam, but the course grade will be computed using the exact point scores, not by averaging letter grades.
- A final exam will be evaluated by multiple choice questions and written questions. Letter grades will be assigned for the exam, but the course grade will be computed using the exact point scores, not by the letter grade.

## Grading Policy:

Grades will be assigned according to the following scale:

90 - 100%,	896-1000 points	<b>A</b>
80 - 89 %,	796-895 points	<b>B</b>
70 - 79 %,	696-795 points	<b>C</b>
60 - 69 %,	596-695 points	<b>D</b>
59% & below,	0-595 points	<b>F</b>

**Dissemination of Announcements and Additional Course Information:** The instructor of this course will make every effort to disseminate all information pertinent to the class during the normal class meetings; however, times arise when it is necessary to disseminate information outside the normal meeting times. The instructors, in this case, will use the Marshall University E-mail system to disseminate any pertinent information to the student. The student is expected to check his/her email twice daily.

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## Tentative Weekly Schedule

Week	Date	Topic	Week	Date	Topic	Week	Date	Topic
1	Jan 9 Jan 11	Introduction 1.1, 1.2 1.2, 2.1	6	Feb 13 Feb 15	2.3, 2.4, 1.4 2.5, 2.6	11	Mar 27 Mar 29	6.1, 4.5 4.6
2	Jan 16 Jan 18	<b>Not Class, MLK Jr. Day</b> 2.1, 1.3, 2.2	7	Feb 20 Feb 22	4.1, 1.5 4.1, 4.2	12	Apr 3 Apr 5	1.4, 7.1 Review for Exam 3
3	Jan 23 Jan 25	3.1, 3.2 3.3	8	Feb 27 Mar 1	4.2, 1.3 Review for Exam 2	13	Apr 10 Apr 12	<b>Exam 3</b> 7.2, 7.3
4	Jan 30 Feb 1	3.4, 1.5 Review for Exam 1	9	Mar 6 Mar 8	<b>Exam 2</b> 4.3, 4.4	14	Apr 17 Apr 19	7.4, 7.5 7.5
5	Feb 6 Feb 8	<b>Exam 1</b> 3.6, 2.3	10	Mar 13 Mar 15	5.1, 5.2, 1.2 5.4, 6.1	15	Apr 24 Apr 26	8.1 Review for Final

## Important Dates

**January 9** - First Day of Classes

**January 9 – January 13** - Late Registration

**January 16** - University Closed, Martin Luther King, Jr. Day

**January 17** - “W” Withdrawal Period Begins

**February 27** - Freshmen Mid-Term Grades Due

**March 17** - Last Day to Drop a Full Semester Individual Course

**March 20 – March 25** - Spring Break

**March 27** - Classes Resume

**April 24 – April 28** - “Dead Week”

**April 28** - Last Day to Completely Withdraw

**May 1** - Final Exam

## Getting Started with Hawkes

In a web browser, navigate to [learn.hawkeslearning.com](http://learn.hawkeslearning.com). Click on Create an Account. Choose the appropriate option “I have an Access Code”, “I want to Purchase Access”, or “I want to request Temporary Access” and press Continue.

Use your name and email as officially recorded with Marshall University. In particular, enter your Marshall email address **@live.marshall.edu**. Select product “College Algebra”. Select your instructor (Nicholas Bedway) and section (Section 212). Verify your email as instructed.

### Technical Assistance

Students requiring technical assistance with the Hawkes software should contact Hawkes directly by phone at 800-426-9538 or 843-571-2825, Monday – Friday 8:30am – 10:00pm ET, or by live chat at [www.hawkeslearning.com/chat](http://www.hawkeslearning.com/chat), any time 24/7.