

# Syllabus

## MTH 127 College Algebra—Expanded Spring 2017 Sec 120 CRN 3139

**Instructor:** Nick Bedway  
**Office:** Gullickson Hall 212 (Huntington Campus)

**Office Hours:** By Appointment  
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**Required Texts:** *College Algebra with Integrated Review* ISBN: 978-1-944894-97-9 (with textbook) or 978-1-944894-98-6 (with e-book only)

**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 scientific calculator. The math department recommends the TI-30 (any of the TI-30 family is acceptable, but TI-34 or 36 are not). 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	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 in English	Online homework, written assignments, in-class activities	Course exams and common final

**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.

**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

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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. Attendance will count as 5% of your grade. 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. No online homework will be accepted late. The lowest 5 homework grades will be dropped.

**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, December 11, 2017 at 6:30 pm in our classroom (Rm. 126).**

## Evaluation/Measurement of Learner Outcomes

Online Homework Assignments	20.0%
Attendance	5.0%
Desmos/In Class Activities/Quizzes	10.0%
Exams (3 @ 15% each)	45.0%
Final	20.0%
Total	100.0%

**Hawkes Mastery-based Homework and Webtests:** Each textbook section corresponds to at least one homework (Certify) section in the Hawkes learning system. To sign in, go to [learn.hawkeslearning.com](http://learn.hawkeslearning.com) and follow the onscreen prompts to enter your code. 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 they are assigned for.

**Grading Policy:** Grades will be assigned according to the following scale:

90 - 100%	<b>A</b>
80 - 89%	<b>B</b>
70 - 79%	<b>C</b>
60 - 69%	<b>D</b>
59% & below	<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
<b>1</b>	Aug 21	Introduction Hawkes LPC 1.1 Hawkes LPC 3.1 Desmos	<b>6</b>	Sep 25	Hawkes LPC 2.3 Hawkes LPC 3.6 Desmos	<b>11</b>	Oct 30	Hawkes LPC 6.1 Hawkes LPC 4.5 Desmos
	Prep Work Due	1.R.2 2.R.1 2.R.2		Prep Work Due	4.R.4		Nov 1	4.5, 4.6
	Aug 23	1.1, 3.1, 2.1		Sep 27	3.6, 4.1, 4.2			
<b>2</b>	Aug 28	Hawkes LPC 2.1 ab Hawkes LPC 2.2 Desmos	<b>7</b>	Oct 2	Hawkes LPC 4.1 Hawkes LPC 4.2a Desmos	<b>12</b>	Nov 6	Review for Exam 3 Desmos
	Prep Work Due	4.R.1 4.R.2		Prep Work Due	1.R.4		Nov 8	Exam 3
	Aug 30	2.1, 2.2, 3.2		Oct 4	4.2a, 4.3, 2.6		Prep Work Due	7.R.1 7.R.2
<b>3</b>	Sep 4	<b>Labor Day</b>	<b>8</b>	Oct 9	Desmos Review for Exam 2	<b>13</b>	Nov 13	Review Exam 3 Hawkes LPC 7.1 Hawkes LPC 7.2
	Prep Work Due	4.R.3 Hawkes LPC 3.2 Hawkes LPC 3.3		Oct 11	Exam 2		Prep Work Due	7.R.3
	Sep 6	3.3, 3.4		Prep Work Due	6.R.2 Hawkes LPC 4.2b Hawkes LPC 4.3		Nov 15	7.1, 7.2, 7.3
<b>4</b>	Sep 11	Desmo Review for Exam 1	<b>9</b>	Oct 16	Review Exam 2 Hawkes LPC 4.4 Desmos	<b>14</b>	Nov 27	Hawkes LPC 7.3 Hawkes LPC 7.4 Desmos
	Sep 13	<b>Exam 1</b>		Prep Work Due	6.R.3 Hawkes LPC 2.4		Prep Work Due	8.R.1
	Prep Work Due	5.R.1		Oct 18	4.4, 2.4, 5.1		Nov 29	7.4, 7.5, 8.1
<b>5</b>	Sep 18	Review Test 1 Hawkes LPC 5.R.2 Hawkes LPC 1.6 Desmos	<b>10</b>	Oct 23	Desmos Hawkes LPC A.1 Hawkes LPC A.2 Hawkes LPC A.4	<b>15</b>	Dec 4	Hawkes LPC 7.5 Desmos
	Prep Work Due	5.R.3 1.5		Prep Work Due	6.R.1 Hawkes LPC 2.5		Prep Work Due	Review for Final Exam
	Sep 20	1.6, 2.3		Oct 25	5.2 5.4, 2.5, 6.1		Dec 6	Review for Final Exam

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## Important Dates

**August 21** - First Day of Classes

**August 21 – August 25** - Late Registration

**August 28** - “W” Withdrawal Period Begins

**September 4** - University Closed, Labor Day

**October 9** – Freshmen/Sophomore Mid-Term Grades Due

**October 27** - Last Day to Drop a Full Semester Individual Course

**November 20 – November 25** - Thanksgiving Break

**November 27** - Classes Resume

**December 4 – December 8** - “Dead Week”

**December 8** - Last Day to Completely Withdraw

**December 11** - Final Exam

### Getting Started with Hawkes

In a web browser, navigate to [learn.hawkeslearning.com](https://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](https://www.hawkeslearning.com/chat), any time 24/7.