

Marshall University course Syllabus

Course Title/Number	MTH 127 – College Algebra Expanded– Sec 114– CRN 3218 – online (5 credits)
Semester/Year	Fall 2014
Days/Time	Online class – No face-to-face meetings
Location	WEB (www.marshall.edu/muonline)
Instructor	Dr. Ari Aluthge (Pronounced: A-luth-gay)
Office	Morrow Library, Room 109
Phone	(304) 696 3050
E-Mail	aluthge@marshall.edu
Office/Hours	Monday, Wednesday: 1:00 PM to 4:00 PM or 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 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: From Catalog

A brief but careful review of the main techniques of algebra. Polynomial, rational, exponential, and logarithmic functions. Graphs, equations and inequalities, sequences. PR: ACT Math 19 or SAT Math 460 or MTH099. *5 hours*

The table below shows the following relationships: How each student learning outcomes will be practiced and assessed in the course.

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
Students will employ quantitative and analytical methods to solve problems drawn from basic algebra and geometry.	By reading and studying the textbook, lecture notes, PowerPoints presentations, watching and studying the Video clips available on MUonline.	Weekly homework assignments, unit exams, and the comprehensive final exam.
Students will solve real-world problems using techniques that employ systems of linear equation or method of variation.	By reading and studying the textbook, lecture notes, PowerPoints presentations, watching and studying the Video clips available on MUonline.	Weekly homework assignments, unit exams, and the comprehensive final exam.
Students will use symmetry and transformations to create and analyze new functions and their graphs.	By reading and studying the textbook, lecture notes, PowerPoints presentations, watching and studying the Video clips available on MUonline.	Weekly homework assignments, unit exams, and the comprehensive final exam.
Students will analyze and compare basic algebraic functions as well as exponential and logarithmic functions.	By reading and studying the textbook, lecture notes, PowerPoints presentations, watching and studying the Video clips available on MUonline.	Weekly homework assignments, unit exams, and the comprehensive final exam.

Students will construct, evaluate, and graph functions to apply in real-world problems.	By reading and studying the textbook, lecture notes, PowerPoints presentations, watching and studying the Video clips available on MUonline.	Weekly homework assignments, unit exams, and the comprehensive final exam.
Students will demonstrate the ability to work with equations and inequalities symbolically, visually, and numerically.	By reading and studying the textbook, lecture notes, PowerPoints presentations, watching and studying the Video clips available on MUonline.	Weekly homework assignments, unit exams, and the comprehensive final exam.
Students will apply techniques of systems of linear equations and matrices to solve real world applications.	By reading and studying the textbook, lecture notes, PowerPoints presentations, watching and studying the Video clips available on MUonline.	Weekly homework assignments, unit exams, and the comprehensive final exam.

Required Texts, Additional Reading, and Other Materials

1. A special three-hole- punched, loose-leaf version of the textbook, *College Algebra, Graphs and Models, 5th Edition* (by Bittinger) that comes with an access code to MyMathLab :ISBN: 9780321845405.
2. Students will use the course code: **aluthge78099** on MyMathLab.
3. A graphing calculator (Examples in lecture notes use TI-83 calculator)

Course Requirements / Due Dates

1. Syllabus quiz (on Blackboard) and MTH 127 Practice Quiz (on Blackboard via Respondus LockDown Browser).
2. Thirty-seven homework assignments on MyMathLab (including the Orientation HW)
3. Three unit exams and a comprehensive final exam (on Blackboard via Respondus LockDown Browser).
4. See the "Semester Schedule" for due dates.

Grading Policy

- Your grade will be based on HW assignments, unit exams, and the final exam, all done online.
- There are 36 HWs on MyMathLab (one HW for each section – each worth 3 points). There is a syllabus quiz - worth 2 pts. So there are 110 total possible points ($3 * 36 + 2$) from HWs and the syllabus quiz.
- There are three unit exams. Each Unit Exam is on the material from that unit and has 21 multiple-choice questions. Each question is worth 5 points. So each exam is worth 105 points (21 times 5). The three exams will be worth 315 points (3 times 105) towards the semester's points total.
- The Final exam is comprehensive and has 22 multiple-choice questions. Each question is worth 5 points. So the final exam is worth 110 points (22 times 5) towards the semester's points total.
- So there are possible 536 points ($110 + 315 + 110 = 535$) for students to earn.
- Letter grades will be assigned as follows:
A = 450 – 535 points
B = 400 – 449.99 points
C = 350 – 399.99 points
D = 300 – 349.99 points
F = 0 – 299.99 points

Attendance Policy

This is an online (100%) class and requires no attendance.

2014 Fall Semester Schedule – MTH 122

Fall 2014 – MTH 122 – Homework Schedule (on MyMathLab) and Exams Schedule (on Blackboard)

Homework or Exam	Open at 12:00 AM on	Due: by 11:59 PM on Earn 100% of possible points.	Close (late due HW) at 4:00 PM on (4%/day penalty on HW during this period)
Syllabus Quiz	Please read the syllabus and take the Syllabus quiz on Blackboard (no Respondus required) by September 14, 11:59 PM (counts for the grade)		
Orientation HW	Very important. Do this <u>first</u> to learn how to enter your answers including graphs (counts for the grade). Open always on MML		
HW R.1	Saturday, August 23	Sunday, September 07	Friday, September 12
HW R.2	Saturday, August 23	Sunday, September 07	Friday, September 12
HW R.3	Saturday, August 23	Sunday, September 07	Friday, September 12
HW R.4	Saturday, August 23	Sunday, September 07	Friday, September 12
HW R.5	Saturday, August 30	Sunday, September 14	Friday, September 19
HW R.6	Saturday, August 30	Sunday, September 14	Friday, September 19
HW R.7	Saturday, August 30	Sunday, September 14	Friday, September 19
HW 1.1	Saturday, August 30	Sunday, September 14	Friday, September 19
HW 1.2	Saturday, August 30	Sunday, September 14	Friday, September 19
HW 1.3	Saturday, September 06	Sunday, September 21	Friday, September 26
HW 1.4	Saturday, September 06	Sunday, September 21	Friday, September 26
HW 1.5	Saturday, September 06	Sunday, September 21	Friday, September 26
HW 1.6	Saturday, September 06	Sunday, September 21	Friday, September 26
Practice Exam	Please take "MTH 122 Practice Exam" to become familiar with Respondus before taking Exam 1(counts for the grade)		
Exam 1	Saturday, September 06	Friday, September 26 (4 PM)	Close on 9/26 (4 PM), No "late due" option
Unit 1 work ends (and Unit 2 starts) here			
HW 2.1	Saturday, September 13	Sunday, September 28	Friday, October 03
HW 2.2	Saturday, September 13	Sunday, September 28	Friday, October 03
HW 2.3	Saturday, September 13	Sunday, September 28	Friday, October 03
HW 2.4	Saturday, September 20	Sunday, October 05	Friday, October 10
HW 2.5	Saturday, September 20	Sunday, October 05	Friday, October 10
HW 2.6	Saturday, September 27	Sunday, October 12	Friday, October 17
HW 3.1	Saturday, September 27	Sunday, October 12	Friday, October 17
HW 3.2	Saturday, October 04	Sunday, October 19	Friday, October 24
HW 3.3	Saturday, October 04	Sunday, October 19	Friday, October 24
HW 3.4	Saturday, October 11	Sunday, October 26	Friday, October 31
HW 3.5	Saturday, October 11	Sunday, October 26	Friday, October 31
Exam 2	Saturday, October 11	Friday, October 31 (4 PM)	Close on 10/31 (4 PM), No "late due" option
Unit 2 work ends (and Unit 3 starts) here			
HW 4.1	Saturday, October 18	Sunday, November 02	Friday, November 07
HW 4.2	Saturday, October 18	Sunday, November 02	Friday, November 07
HW 4.5	Saturday, October 18	Sunday, November 02	Friday, November 07
HW 4.6	Saturday, October 25	Sunday, November 09	Friday, November 14
HW 5.1	Saturday, October 25	Sunday, November 09	Friday, November 14
HW 5.2	Saturday, October 25	Sunday, November 09	Friday, November 14
HW 5.3	Saturday, November 01	Sunday, November 16	Friday, November 21
HW 5.4	Saturday, November 01	Sunday, November 16	Friday, November 21
HW 5.5	Saturday, November 01	Sunday, November 16	Friday, November 21
HW 5.6	Saturday, November 08	Sunday, November 30	Friday, December 05
HW 6.1	Saturday, November 08	Sunday, November 30	Friday, December 05
HW 6.2	Saturday, November 08	Sunday, November 30	Friday, December 05
Exam 3	Saturday, November 15	Friday, December 05 (4 PM)	Close on 12/05 (4 PM), No "late due" option
Unit 3 work ends here. Start reviewing for the final.			
Final Exam	Saturday, November 22	Friday, December 12 (Noon)	Close on 12/12 (noon), No "late due" option

Technical Requirements

This is an online (100%) class and requires a reliable computer and internet access.

For minimum hardware/software requirements please see:

http://www.marshall.edu/muonline/computer_requirements.asp

Be sure to run the free web browser tune-up:

<http://www.marshall.edu/muonline/hardwaresoftwarecheck.asp>

You will need to have several plug-ins (software) installed on your computer. These plug-ins are all free. You will need **Real Player** and **Flash Player** to experience the streaming video and audio clips that are part of the course. You can easily check your computer to see if you have these programs (and if you don't install them for free), by clicking on this link:

http://www.marshall.edu/muonline/computer_requirements.asp

If you have technical problems, please go to the Help Desk:

<http://www.marshall.edu/ucs/cs/helpdesk/>

FAQ – Frequently Asked Questions

<http://www.marshall.edu/muonline/technicalfaq.asp>

Students will need a webcam for their computer if they decide to take the tests on their own computer. (But they can come to campus and take the test on a campus computer in a computer lab).

HELP DESK PHONE NUMBERS AND EMAIL: Email: itservicedesk@marshall.edu

(304) 696-3200 (Huntington), (304) 746-1969 (Charleston), (877) 689-8638 (Toll free)

Some Helpful Advice

For each section, I have included the following in separate files in this order:

- Detailed lecture notes with hundreds of worked out problems.
- A PowerPoint presentation.
- A page containing a video link or playlist (for most sections)
(If you have difficulty with videos, please contact me)
- Solutions to exercise problems #3, 7, 11, etc.
- PowerPoint presentations and videos are also available on MyMathLab and students are required to view these media as a part of their homework.
- **I suggest the following approach:**
 - Read the syllabus and take the syllabus quiz on Blackboard (counts for the grade)
 - The course is divided in to three units. Each unit consists of several chapters.
 - Begin reading the text for each section of the textbook.
 - Next read my lecture notes including worked out examples.
 - Then view the PowerPoint presentation.
 - Next go and view the video (if there is a video for that section)
 - Do the HW on MML (<http://www.pearsonmylabandmastering.com/northamerica/>. code: **aluthge30826**)
 - If you need to study more, check the [online resources](#) page from the home page.

- Take the “MTH 122 Practice Exam” to become familiar with test taking process before taking Exam 1
- At the end of each unit, take the unit exam on Blackboard (proctored by via a webcam). But students can also take the exam by coming to a campus computer lab.
- At the end of the semester, take the final exam on Blackboard (proctored online or on campus).
- **Getting Help From The Instructor:**
 - If you need help, please do not hesitate to contact me.
 - It is my job to help my students. But you have to ask, if you need help.
 - Contact me through “Internal Mail”, or at aluthge@marshall.edu or (304) 696 3050.
 - I prefer to communicate through the “Internal Mail” tool on MUonline.

Note: There are several more separate files containing course information. They are too long to include in the syllabus. The files can be found in the content page of the course homepage. The files are:

- Required Materials (textbook and other information)
- Semester Schedule (same as page 3 of this syllabus)
- MyMathLab instructions
- Using Respondus
- Taking exams on campus (lab schedule)
- Online Resources