Marshall University MTH 130 Sec 104: College Algebra Fall 2018

Section/CRN	Section 104/CRN: 3005
Semester/Year	Fall 2018
Days/Time	MWF: 12-12:50pm
Location	WAEC 3121
Instructor	Dr. Michael Otunuga
Office	WAEC 3229
Office Hours	MTWRF 10-12:00pm
Phone	304 696-3049
E-Mail	otunuga@marshall.edu
Webpage	http://science.marshall.edu/otunuga/
Free Tutoring	The math tutoring lab will be open this semester, starting the second week of classes, in Smith Hall 625. The hours are 10-4 and 5-6:30 MTWR and 10-noon Friday. Math tutoring website at http://www.marshall.edu/math/tutoring/
Text	College Algebra ISBN: 9781941552407 (with textbook) or 9781941552742 (with e-book only)
Calculator	TI-30 (any TI-30 is acceptable (TI-30X IIS recommended), TI-34 or 36 are not)
Prerequisites	Math ACT of 17 or above, SAT 400
Course Requirements	Students will utilize Hawkes Learning System (www.learn.hawkeslearning.com)
	for the Learn and Practice portion of each lesson. Students will be assessed by completing Certifications (www.learn.hawkeslearning.com) in the Hawkes Learning System and taking Tests in class.
Course Description	Basic Concepts of algebra; Equations and Inequalities; Graphs; Study of Functions and their Graphs; Linear and Quadratic Functions; Polynomial and Rational Functions; Exponential and Logarithmic Functions
Course Objective	The students completing this course should be able to: - Understand mathematical concept of a function Sketch and interpret the graphs of elementary functions Manipulate and solve polynomial, rational, exponential, and logarithmic equations and apply to new situations in mathematics and daily life.
Homework	Homework will be assigned on Hawkes. Certification: Each textbook section corresponds to at least one homework (Certify) section in the Hawkes learning system. To sign in, go to 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.

	All assignments must be completed this semester, even if you have some				
	certifications from previous semesters.				
University Policies	By enrolling in this course, you agree to the University Policies listed below. Please				
	read the full text of each policy be 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				
	See the <u>University Academic Calendar</u>				
	(http://www.marshall.edu/calendar/academic/) for course withdrawal dates.				
Disable Student	Policy for Students with Disabilities: Marshall University is committed to equal opportunity				
	education for all students, including those with physical, learning and psychological				
	disabilities. University policy states that it is the responsibility of students with disabilities to				
	contact the Office of Disability Services (ODS) in Prichard Hall 117 (304.696.2467) to provide				
	documentation of their disability. Following this, the ODS Coordinator will send a letter to				
	each of the student's instructors outlining the academic accommodation he/she will need to				
	ensure equality in classroom experience, outside assignment, testing, and grading. The				
	instructor and student will meet to discuss how the accommodation(s) requested will be				
	provided. For more information, access the website for the Office of Disabled Student				
	Services: http://www.marshall.edu/disabled.				

How each student learning outcome will be practiced and assessed in the course

MTH 130 Student Learning Outcomes	How students will practice each outcome in MTH 130	How student achievement will be assessed
Identify and implement	Online homework, written	Course exams and
appropriate solution methods for	assignments, in-class activities	common final
single-variable equations		
Identify and graph standard	Online homework, written	Course exams and
algebraic functions	assignments, in-class activities	common final
Interpret graphs of functions	Online homework, written	Course exams and
	assignments, in-class activities	common final
Construct functions to model	Online homework, written	Course exams and
applications	assignments, in-class activities	common final
Communicate written mathematics	Online homework, written	Course exams and
using appropriate notation and	assignments, in-class activities	common final
explanation where appropriate		

Attendance Policy

Attendance: Attendance is required and you must come with your text. Attendance will be taken every class day by sign-in-sheet. 2 points will be reduced from attendance grade for every missed class. Having more than 25% absences (unexcused) may result in a course grade of F! Absences which can be excused include illness, emergencies, or participation in another university activity. Documentation from an outside source must be provided.

<u>Exams</u>: There will be three midterm exams as outlined in the course schedule. Exam dates are **September 12, October 10, and November 7.**

<u>Common Final Exam</u>: The common final exam for MTH 130 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

Attendance & Activities:	15%	<u>Scale</u>	
Homework (Hawkes):	20%	90.00 - 100%	Α
Exam 1:	15%	80.00 - 89.99%	В
Exam 2:	15%	70.00 – 79.99%	С
Exam 3:	15%	60.00 - 69.99%	D
Final:	20%	Below 60.00%	

Section Part	·											
8/20/2018 1.1 3 4 5		Section	Subsections	Subsections	Subsections		Additional Section	Subsections		Homework Problems	1st Sect. Comments	2nd Sect. Comments
Record R	8/20/2018									Pg. 12 # 5-25, 32-40, 41-52		
Rectangle Rect	8/22/2018	3.1	1	2	3					Pg. 185-187 #1-26, 33-51, 54, 55-60, 69-73		
8/29/2018	8/24/2018	2.1a	1	2	4					Pg 106-108 #1-25		
8/31/2018 3.2 1 2 3	8/27/2018	2.1b	5							Pg. 108-110 #47-56, 61,65-67, 69, 72		
9/3/2018 3.3 1 2 3 Pg. 209-210 #1-12, 13-21, 25-28, 34-67 9/10/2018 Review Pg. 219-221#1-6, 19-21, 29-33, 39-41, 55-66 9/10/2018 Review Pg. 19-21 #1-8, 13-13, #1-8, 15-19 9/11/2018 2.3 1 2 Pg. 132-133 #1-8, 15-19 9/11/2018 1.6 1 2 3 2.3 4 Pg. 132-133 #1-8, 15-19 9/21/2018 3.6 1 2 Pg. 83-84 #1 21, 24, 34, Pg. 133 #34-60 9/21/2018 3.6 1 2 Pg. 239-241 #1-24, 25-29, 30-39 9/26/2018 4.1 1 2 Pg. 266-268 #12,4,9,10,12,13,14,17-20,25-31,35 9/28/2018 4.1 3 4 Pg. 266-269 #13-46, 49, 61,63, 66,67,68 10/11/2018 4.2 1 2 Pg. 268-269 #13-46, 49, 61,63, 66,67,68 10/13/2018 4.3 1 Pg. 268-269 #13-46, 49, 61,63, 66,67,68 10/13/2018 4.3 1 Pg. 268-269 #13-18, 31-18, 37-40, Pg. 162 #1,4,5,6,10,13,14, 16, 34-41 2 3 10/8/2018 Review Pg. 10/13/2018 4.4 1 Pg. 313-318, 37-40, Pg. 162 #1,4,5,6,10,13,14, 16, 34-41 2 3 10/13/2018 4.4 1 Pg. 317-318 #1-3, 8, 9-12, 13-21, 36-45 10/13/2018 A.4 1 2 Pg. 317-318 #1-3, 8, 9-12, 13-21, 36-45 10/13/2018 A.4 1 2 Pg. 317-318 #1-3, 8, 9-12, 13-21, 36-45 10/13/2018 A.4 1 2 Pg. 317-318 #1-3, 8, 9-12, 13-21, 36-45 10/13/2018 A.4 1 2 Pg. 313-33 #1, 5, 6, 8, 9, 18-21, 24, 27, 28, 36-41, 42-49, Pg. 388 #53, 57, 58 5 10/21/2018 A.4 1 2 Pg. 433 #1-11, 69 10/29/2018 6.1 3 4 Pg. 313-32-37, 31-37, 44-66 10/29/2018 6.1 3 4 Pg. 313-32-37, 31-37, 34-46 11/26/2018 7.3 1 4 2 Pg. 535-557 #1-6, 12-238, 49, 51, 52, 53, 55, 57 11/17/2018 7.3 1 4 2 Pg. 535-557 #1-6, 12-238, 49, 51, 52, 53, 55, 57 11/12/2018 7.3 1 4 2 Pg. 545-557 #1-6, 19-26, 31-36, 97, 98, 11/3/2018 7.5 1 Pg. 535-557 #1-6, 19-26, 31-36, 97, 98, 11/3/2018 7.5 1 Pg. 535-557 #1-6, 19-26, 31-36, 97, 98, 11/3/2018 7.5 1 Pg. 535-557 #1-6, 19-26, 31-36, 97, 98, 11/3/2018 7.5 1 Pg. 535-557 #1-6, 19-26, 31-36, 97, 98, 11/3/2018 7.5 1 Pg. 535-557 #1-6, 19-26, 31-36, 97, 98, 11/3/2018 7.5 1 Pg. 535-557 #1-6, 19-26, 31-36, 97, 98, 11/3/2018 7.5 1 Pg. 535-557 #1-6, 19-26, 31-36, 97, 98, 11/3/2018 7.5 1 Pg. 535-55	8/29/2018	2.2	1	2	4					Pg. 118-119 #1-33, 49-57, 59		П
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- 1 (no completing the square)
- 2 (ax^n,ax^(1/n), absolute value only)
- 3 (only 1 radical expression)
- 4 (ax^n=b or x(quadratic)=0, real solutions only)
- 5 (no division)
- 6 (no oblique asymptotes)
- 7 (interest only)
- 8 (elimination optional)

MTH130 Schedule Fall 2018