DEPARTMENT OF MATHEMATICS, COMPUTER & INFORMATION SCIENCES
MA 100x Intermediate Algebra
Fall 2022 Syllabus

1	Instructor	• Dr. Candace Carter Stevens
2	Email	• ccarter@mvsu.edu
3	Phone	• 662.254.3398
4	Office	• CRB 140 (FLW Math & Science Building)
5	Classroom	• ONLINE
6	Student Engagement Hours	• **Office Hours**

Monday	Wednesday	Friday
8:00-11:00 (office)	8:00-10:00 (office)	8:00-10:00 (office)
12:00-1:00 (wconline)	12:00-1:00 (wconline)	12:00-1:00 (wconline)

• CANVAS Email is a good way to get in contact with me, provided the email is professional and courteous. Include in the subject of the email your name, ID, and the day/time of your class.

7	Course Description	• A course for students who need to strengthen their basic skills or lack computational skills required for success in college algebra and other University courses in mathematics.
8	Course Outcomes	• This course will enable a student to: a. increase awareness of mathematics in the real world through utilization of problem solving techniques, b. increase knowledge of technology through the use of calculators and computer assisted instruction, and c. increase mathematics vocabulary through daily assignments and special projects.
9	Major Areas of Study	• introduction to real numbers and algebraic expressions, solving equations, polynomial operations, factoring polynomials, rational expressions and equations, quadratic equations

10	Required Course Material	• Khan Academy learning Access code which gives you access to:
		  a. NO TEXT REQUIRED
		  b. KHAN ACADEMY LEARNING SOFTWARE (Course ID: MVSUCOL)
		• GRAPHING CALCULTOR (preferably, TI 84)
		• Notebook and pencil

11	Grade Distribution	• Your points will be assigned as follows:

CATEGORY	HOME WORK	QUIZZES	MIDTERM	EXAMS (1 & 3)	FINAL EXAM	TOTAL PERCENTAGE
PERCENT	20%	20%	15%	20%	25%	100%

• Your final grade for the course will be assigned as follows:

Grade	A	B	C	D	F
Point Range	90-100	80-89	70-79	60-69	0-59

• <mark>All grades will be posted to CANVAS.</mark>

12	HOMEWORK	• Graded homework assignments will be assigned for each section and are administered in KHAN ACADEMY LEARNING.

		• Each HW has unlimited attempts. • You must complete homework by the due date to obtain credit.
13	Tests	• There are four tests (Exam 1, Midterm, Exam 3, Final Exam). • **All tests, including the final exam, are conducted online.** • You may use a calculator during tests. • **There is only one (1) attempt on each test so please be sure that your internet is working properly before starting.**
14	Final Exam	• The final exam is mandatory and worth 25% of the course grade. • A course grade of 0% will be assigned to any student who fails to take the final exam. • The final exam is normally conducted the last week of school.
15	Calculator	• The TI-84 is the recommended calculator for this course.
16	3 x 5 Index Card (for In-class students, NOT ONLINE)	• You may use one 3 x 5 index card for formulas only for Exams 1 & 3. Formulas only: no reference to hw questions, no worked out examples, no step-by-step procedures, no pictures/diagrams allowed.

17	Crawl-Walk-Run	• This course adheres to a Crawl_Walk_Run pedagogical model.
		   a. Crawl: students read the section prior to the lecture so they are prepared for the lecture.
		   b. Walk: students actively participate and therefore actively learn during lectures
		   c. Run: students achieve content mastery by re-working the in-class problems, studying, and successfully completing assignments.
		   d. Assess: tests provide students the opportunity to demonstrate their mastery of the material.
		• To be successful, students must not skip any phase of the Crawl_Walk_Run Pedagogical Model.

18	Lectures	• It is imperative that students attend all lectures. • Lectures will serve as the foundation for the assigned homework and tests. • All lectures will be given face-to-face
19	Canvas	• Throughout the semester, the instructor will send e-mail pertaining to the course through Canvas. • Canvas e-mail is the official outside-of-class method of communication. Please check Canvas regularly. • Students are responsible for any communication the instructor sends via Canvas e-mail. • The course syllabus, assignments, lecture notes and announcements will be posted to Canvas
20	KHAN ACADEMY LEARNING	• *Although MOST assignments will be given on KHAN ACADEMY ----- ALL OF YOUR GRADES WILL BE POSTED ON CANVAS).* So, if you want to know your grade in the class, then check your CANVAS progress report on a regular basis. • THE MAJORITY of graded assignments are located in the KHAN ACADEMY LEARNING SOFTWARE.

		• **Students who fail to establish a Khan Academy Learning account by the university's financial clearance deadline will be penalized and withdrawn from the course**.

21	Technical Problems	• Internet access is required to reach Canvas and Khan Academy.
		• The MA 100X course work can be done on your personal computer which may pose a risk and is beyond the instructor's control. Technical problems such as power outages, KHAN ACADEMY/CANVAS account issues, internet unavailability, etc. happen. However, _YOU_ are responsible for submitting your work to my online gradebook by the due dates.
		• **Therefore, <u>Do Not</u> wait until the last minute to complete your assignments. Technical problems are not an acceptable excuse for work that has not been completed by the due date**.
		
		Canvas Instructure products support the current and previous major releases of the following browsers:
		
		 • _**Chrome** 102 and 103_
		 • _**Firefox** 101 and 102 ([Extended Releases](#) are not supported*)_
		 • _**Edge** 102 and 103_
		 • _**Respondus Lockdown Browser** (supporting the latest [system requirements](#))_
		 • _**Safari** 14 and 15 (Macintosh only)_
		
		  You can verify that the browser you are currently using is up to date by using the browser checker tool in the link below.
		
		  https://community.canvaslms.com/t5/Canvas-Basics-Guide/What-are-the-browser-and-computer-requirements-for-Canvas/ta-p/66
		
		Important note: If you need help downloading one of these browsers, The Online and Distance Education Staff will be happy to help you. Submit a helpdesk ticket by emailing DistanceEd@mvsu.edu. Please use your MVSU email address to submit your helpdesk ticket. You can also receive assistance by calling 662-254-3913 or 662-254-3624.

22	Late Assignments	• No late assignments will be accepted. • You must have submitted homework online via KHAN ACADEMY or Canvas by the due date and time. • **Late submission due to technical issues, forgetting, etc. etc., will not be accepted. Email submissions will not be accepted.** • ALSO: Please do not ask your instructor if/when/which of the lowest assignments will be dropped -- the instructor will make sure the lowest scores are indeed dropped on homework and quizzes (instructors discretion). • ALL FOUR EXAMS WILL COUNT; NONE OF THESE ARE DROPPED.
23	Make-up policy	• There will be no extensions for homework and quiz assignments. You have a wide window to complete the assigned homework and quizzes - no exceptions will be made. • **There will be no make-up tests provided.** However, students who miss Exam 1, Midterm or Exam 3, due to a serious <u>verifiable</u> circumstance, the

		zero exam grade will be replaced with the next test grade (see Replacement Policy). • Students who must miss work due to official University business must make other arrangements beforehand.
24	Replacement Policy	• **Zeros** due to an unexcused absence or academic misconduct **will not be replaced.** • Students who miss an exam but have an official university excuse must turn in and supporting documents within **two days of missed work.** • The missed exam will be replaced with the next exam grade once the instructor verifies the excuse.
25	Academic Honesty	• All forms of academic dishonesty are prohibited at MVSU. A comprehensive description of academic dishonesty and the sanctions available to the professor are described in the MVSU Student Handbook. • **Students found cheating, in any manner, will be face disciplinary actions.**

26	Students with Disabilities	• Students having any special needs (handicaps, problems, or any factors that may affect their performance in class or require special instructional strategies) should make these special needs known to the instructor during the **first week** of the course.
		• The student should meet with instructor to ensure access of available resources in the university and make appropriate instructional modifications.
		• **Mississippi Valley State University is committed to providing reasonable accommodations for students with a documented disability. If a student has a disability that qualifies under the Americans with Disability Act (ADA) and requires accommodations, he/she should contact the Services for Students with Disability Office to obtain this service. Disabilities covered by the ADA may include learning, physical, psychiatric, vision, hearing, or chronic health disorders. Students who are uncertain if their condition/disability is qualified should contact the SSD Office**.
		• For more information or to schedule an appointment, please contact:
		   Mrs. Kathy Brownlow, ADA Coordinator
		   Mississippi Valley State University
		   Office for Disability Accommodations
		   Social Science Building Office 105
		   Telephone: 662-254-3443 Email: kbrownlow@mvsu.edu

27	Disclaimer	• **This document does not constitute a contract with the university. It contains guidelines and I reserve the right to make changes on this syllabus as needed.**

28		Month/UNIT LESSON	Date	Lecture/ Assignments	Homework submission mode
	Course Administrative Information & Outline				

		August **Linear Equations and Inequalities in One Variable**	24	• Introductions • Syllabus overview • Canvas Overview • Khan Academy Overview	• Register Access code with KHAN ACADEMY • REGISTER with WCONLINE
				JOURNAL #1 Mathography	CANVAS
				WC ONLINE- TUTORING REGISTRATION	CANVAS
				KA ALGEBRA FOUNDATIONS: UNIT TEST	KHAN ACADEMY
			31	KA Equations with variables on both sides	KHAN ACADEMY
				KA Equations with variables on both sides: decimals & fractions	KHAN ACADEMY
				KA Equations with parentheses	KHAN ACADEMY
				KA Equations with parentheses: decimals & fractions	KHAN ACADEMY
		September **Linear Equations and Inequalities in One Variable**	7	KA Reasoning with linear equations	KHAN ACADEMY
				KA Quiz 1: Solving equations & inequalities	KHAN ACADEMY
				KA Number of solutions to equations	KHAN ACADEMY
				KA Number of solutions to equations challenge	KHAN ACADEMY
			14	KA Linear Equations with unknown coefficients	KHAN ACADEMY

				KA Quiz 2 Solving equations & inequalities	KHAN ACADEMY
				Exam 1: KA Unit Test Solving equations & inequalities	KHAN ACADEMY
			21	KA Complete solutions to 2-variable equations	KHAN ACADEMY
				KA Slope from two points	KHAN ACADEMY
				KA Intercepts from an equation	KHAN ACADEMY
				KA Using slope and intercepts in context	KHAN ACADEMY
				KA Slope intercept form intro	KHAN ACADEMY
				KA Point-slope form	KHAN ACADEMY
			28	KA Multiply & divide powers (integer exponents)	KHAN ACADEMY
				KA Powers of products & quotients (integer exponents)	KHAN ACADEMY
				KA Properties of exponents challenge (integer exponents)	KHAN ACADEMY
				KA Exponents & radicals Quiz 1	KHAN ACADEMY
		OCTOBER **Exponents and polynomials** **3-7 MIDTERM WEEK**	5	**MIDTERM WEEK**	
				KA Add polynomials (intro)	KHAN ACADEMY
				KA Subtract polynomials (intro)	KHAN ACADEMY
				KA Add & subtract polynomials	KHAN ACADEMY
				KA Polynomials Into	KHAN ACADEMY
			12	KA Multiply binomials intro	KHAN ACADEMY

					KA Multiply binomials	KHAN ACADEMY
					KA Divide polynomials by X (no remainders)	KHAN ACADEMY
					KA Divide polynomials by X (with remainders)	KHAN ACADEMY
				19	KA Multiply difference of squares	KHAN ACADEMY
					KA Multiply perfect squares of binomials	KHAN ACADEMY
					KA GCF factoring introduction	KHAN ACADEMY
					KA Factoring quadratics intro	KHAN ACADEMY
				26	KA Factoring quadratics with a common factor	KHAN ACADEMY
					KA Multiplying & factoring Quiz 2	KHAN ACADEMY
					KA Factoring quadratics by grouping	KHAN ACADEMY
					KA Difference of squares intro	KHAN ACADEMY
			NOVEMBER **Rational Expressions And Radicals**	2	KA Difference of squares	KHAN ACADEMY
					KA Perfect squares intro	KHAN ACADEMY
					KA Perfect squares	KHAN ACADEMY
					KA Quadratics: Multiplying & Factoring: Unit Test	KHAN ACADEMY (will count as **MIDTERM Exam** grade)
					KA Add & subtract rational expressions (basic)	KHAN ACADEMY
				9	KA Multiply & divide rational expressions	KHAN ACADEMY
					KA Unit fraction exponents	KHAN ACADEMY

					KA Fractional exponents	KHAN ACADEMY
				16	KA Square Roots	KHAN ACADEMY
					KA Cube Roots	KHAN ACADEMY
					KA Exponents & radials Quiz 2	KHAN ACADEMY
					KA Simplify Square Roots	KHAN ACADEMY
					KA Simplify Square Roots (variables)	KHAN ACADEMY
					KA Simplify Square Roots Expressions	KHAN ACADEMY
					Exam 3 Exponents & radials: Unit Test	KHAN ACADEMY
				23	Fall Break/Thanksgiving Holiday	
			Radicals & Complex Numbers	30	KA Simplify Roots of Negative Numbers	KHAN ACADEMY
					KA Powers of the imaginary unit	KHAN ACADEMY
					KA Parts of a complex number	KHAN ACADEMY
					KA Classify Complex Numbers	KHAN ACADEMY
					KA Add and Subtract Complex Numbers	KHAN ACADEMY
					KA Multiply Complex Numbers (basic)	KHAN ACADEMY
					KA Complex Numbers: Quiz 1	KHAN ACADEMY
			DECEMBER Review & Final Exam	5-9	Journal #2 Letter to Incoming freshman	CANVAS
					BONUS WCONLINE TUTORING	CANVAS
					COURSE EVALUATION	CANVAS
					SRRING SCHEDULE	CANVAS
					FINAL EXAM	KHAN ACADEMY