

<p style="text-align: center;">Department of Mathematics, Computer & Information Sciences MA 333 Concepts of Mathematics III Fall 2022 Syllabus</p>								
1	Instructor	<input type="checkbox"/> Dr. Candace Carter Stevens						
2	Email	<input type="checkbox"/> ccarter@mvsu.edu						
3	Phone	<input type="checkbox"/> 662.254.3398						
4	Office	<input type="checkbox"/> CRB 140 (FLW Math & Science Building)						
5	Classroom	<input type="checkbox"/> CRB 205						
6	Student Engagement Hours	<input type="checkbox"/> Office Hours <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 33%;">Monday</th> <th style="width: 33%;">Wednesday</th> <th style="width: 33%;">Friday</th> </tr> </thead> <tbody> <tr> <td>8:00-11:00 (office) 12:00-1:00 (wconline)</td> <td>8:00-10:00 (office) 12:00-1:00 (wconline)</td> <td>8:00-10:00 (office) 12:00-1:00 (wconline)</td> </tr> </tbody> </table> <input type="checkbox"/> 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.	Monday	Wednesday	Friday	8:00-11:00 (office) 12:00-1:00 (wconline)	8:00-10:00 (office) 12:00-1:00 (wconline)	8:00-10:00 (office) 12:00-1:00 (wconline)
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7	Course Description	<input type="checkbox"/> This course provides the essential elements of geometry needed to be successful in any course requiring a basic geometry prerequisite. Deductive reasoning points, lines, distance, rays, angles, angular measurements, bisector, congruent triangle, similar triangle, and overlapping triangle, transformations, reflections, translations, rotations, inequalities, exterior angle theorem, triangle side and angle inequalities, parallel and perpendicular lines, quadrilaterals. The prerequisite is College Algebra (MA 111) or Calculus 1 (MA 299).						
8	Course Outcomes	<input type="checkbox"/> This course will enable a student to: <ol style="list-style-type: none"> a. Understand transformations in a plane b. Understand how to prove geometric theorems such as those about lines and angles, triangles, and parallelograms c. Understand how geometric constructions are made with a variety of tools and methods d. Understand congruence and similarity in terms of transformations e. Understand and apply theorems about circles f. Understand arc length and area measurements of sectors of circles g. Understand how perimeter, area, surface area, and volume formulas are used to solve problems h. Know how to visualize relationships between two-dimensional and three dimensional objects i. Know how to apply geometric concepts in real-world situations j. Understand the properties of parallel and perpendicular lines, triangles, quadrilaterals, polygons, and circles and how they can be used in problem solving 						
9	Major Areas of Study	<input type="checkbox"/> This course represents a competency-based approach designed to enable students to develop skills specific to knowledge, comprehension, and application levels of learning. Topics include: Problem solving, logic, basic concepts of 2-dimensional and 3-dimensional geometry, congruence and similarity of triangles and measurement						

10	Required Course Material	<input type="checkbox"/> Khan Academy class code which gives you access to assigned material: <ul style="list-style-type: none"> a. No textbook required b. Khan Academy SOFTWARE (Class Code: 43MJ8SNQ) <input type="checkbox"/> GRAPHING CALCULATOR (preferably, TI 84) <input type="checkbox"/> Notebook and pencil																										
11	Grade Distribution	<input type="checkbox"/> Your points will be assigned as follows: <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>CATEGORY</th> <th>HOME WORK</th> <th>QUIZZES</th> <th>MIDTERM</th> <th>EXAMS (1 & 3)</th> <th>FINAL EXAM</th> <th>TOTAL PERCENTAGE</th> </tr> </thead> <tbody> <tr> <td>PERCENT</td> <td>20%</td> <td>20%</td> <td>15%</td> <td>20%</td> <td>25%</td> <td>100%</td> </tr> </tbody> </table> <input type="checkbox"/> Your final grade for the course will be assigned as follows: <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Grade</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>F</th> </tr> </thead> <tbody> <tr> <td>Point Range</td> <td>90-100</td> <td>80-89</td> <td>70-79</td> <td>60-69</td> <td>0-59</td> </tr> </tbody> </table> <input type="checkbox"/> All grades will be posted to CANVAS.	CATEGORY	HOME WORK	QUIZZES	MIDTERM	EXAMS (1 & 3)	FINAL EXAM	TOTAL PERCENTAGE	PERCENT	20%	20%	15%	20%	25%	100%	Grade	A	B	C	D	F	Point Range	90-100	80-89	70-79	60-69	0-59
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12	HOMEWORK	<input type="checkbox"/> Graded homework assignments will be assigned for each section and are administered in KHAN ACADEMY (KA) <input type="checkbox"/> Each HW has unlimited attempts, yet require at least 70% mastery to obtain a 100% score. <input type="checkbox"/> You must complete KA homework by the due date to obtain credit. However, other CANVAS homework can be completed after due until the end to the semester with a 30% late deduction.																										
13	Tests	<input type="checkbox"/> There are a total of four tests (Exam 1, Midterm, Exam 3, Final Exam). <input type="checkbox"/> All tests, including the final exam, are conducted online. <input type="checkbox"/> You may use a calculator during tests. <input type="checkbox"/> There is only one (1) attempt on each test so please be sure that your internet is working properly before starting.																										
14	Final Exam	<input type="checkbox"/> The final exam is mandatory. <input type="checkbox"/> A course grade of F will be assigned to any student who fails to take the final exam. <input type="checkbox"/> The final exam will be conducted during final exam week. <input type="checkbox"/> The final exam is a comprehensive examination. <input type="checkbox"/> Students <i>should not</i> bring personal items (backpacks, cell phones, etc...) to the testing area. However, students should bring two (2) pencils and a calculator (optional).																										
15	Calculator	<input type="checkbox"/> The TI-84 is the recommended calculator for this course.																										
16	3 x 5 Index Card	<input type="checkbox"/> 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	<input type="checkbox"/> This course adheres to a Crawl_Walk_Run pedagogical model. <ul style="list-style-type: none"> 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. 																										

		<ul style="list-style-type: none"> <input type="checkbox"/> To be successful, students must not skip any phase of the Crawl_Walk_Run Pedagogical Model.
18	Lectures/Class Attendance	<ul style="list-style-type: none"> <input type="checkbox"/> It is imperative that students attend all lectures. <input type="checkbox"/> Lectures will serve as the foundation for the assigned homework and tests. <input type="checkbox"/> All lectures will be given face-to-face. However, in the event that classes are held virtually due to COVID-19, then lectures will be given via Big Blue Button CONFERENCES (CANVAS).
19	Canvas	<ul style="list-style-type: none"> <input type="checkbox"/> Throughout the semester, the instructor will send e-mail pertaining to the course through Canvas. <input type="checkbox"/> Canvas e-mail is the official outside-of-class method of communication. Please check Canvas regularly. <input type="checkbox"/> Students are responsible for any communication the instructor sends via Canvas e-mail. <input type="checkbox"/> The course syllabus, lecture notes and grades will be posted to Canvas.
20	KHAN ACADEMY	<ul style="list-style-type: none"> <input type="checkbox"/> The e-book and the graded homework assignments are located in the KHAN ACADEMY SOFTWARE. <input type="checkbox"/> Please see the last page of this syllabus for detailed Khan Academy registration instructions. <input type="checkbox"/> Students who fail to register for Khan Academy access by 5:00 PM on Friday of the first week will be penalized and/or by the financial clearance deadline will be withdrawn from the course.
21	Technical Problems	<ul style="list-style-type: none"> <input type="checkbox"/> Internet access is required to reach Canvas and Khan Academy <input type="checkbox"/> The MA 333 course work can be done on your personal computer which may pose a risk. <i>You are responsible for submitting your work to my online gradebook by the due dates</i> <input type="checkbox"/> Technical problems such as power outages, Khan Academy account issues, internet unavailability, etc. happen. <input type="checkbox"/> Do not wait until the last minute to complete your homework assignments. Technical problems are not an acceptable excuse for work that has not been completed by the due date. <input type="checkbox"/> For MVSU Online or Canvas technical Issues, please contact MVSU Online and Distance Education Helpdesk – distanced@mvsu.edu
22	Late Assignments	<ul style="list-style-type: none"> <input type="checkbox"/> No late KA OR EXAM assignments will be accepted. <input type="checkbox"/> However, your lowest two online homework and your lowest 2 quizzes will be dropped at the VERY END of the semester. So regardless of what the excuse is, please do not ask to submit late assignments as the instructor drops the lowest two of the homework and quiz assignments. <input type="checkbox"/> You must have submitted homework online via KHAN ACADEMY (KA) or Canvas by the due date and time. <input type="checkbox"/> Late submission due to technical issues, forgetting, etc. etc., will not be accepted. Email submissions will not be accepted. <input type="checkbox"/> ALSO: Please do not ask your instructor when these lowest assignments will be dropped -- the instructor will make sure the lowest scores are indeed dropped on homework and quizzes. <input type="checkbox"/> ALL FOUR EXAMS AND THE FINAL PROJECT WILL COUNT; NONE OF THESE ARE DROPPED.

23	Make-up policy	<ul style="list-style-type: none"> <input type="checkbox"/> 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. <input type="checkbox"/> 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). <input type="checkbox"/> Students who must miss work due to official University business must make other arrangements beforehand.
24	Replacement Policy	<ul style="list-style-type: none"> <input type="checkbox"/> Zeros due to an unexcused absence or academic misconduct <u>will not be replaced.</u> <input type="checkbox"/> Students who miss an exam but have an official university excuse must turn in and supporting documents within two days of missed work. <input type="checkbox"/> The missed exam will be replaced with the next exam grade once the instructor verifies the excuse.
25	Academic Honesty	<ul style="list-style-type: none"> <input type="checkbox"/> 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. <input type="checkbox"/> Students found cheating, in any manner, will be face disciplinary actions.
26	Students with Disabilities	<ul style="list-style-type: none"> <input type="checkbox"/> 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. <input type="checkbox"/> The student should meet with instructor to ensure access of available resources in the university and make appropriate instructional modifications. <input type="checkbox"/> 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. <input type="checkbox"/> 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	<ul style="list-style-type: none"> <input type="checkbox"/> 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	Bibliography	<ul style="list-style-type: none"> <input type="checkbox"/> Serra, M. <i>Discovering Geometry, An Investigative Approach</i>, Fourth Edition, 2008 <input type="checkbox"/> D. A. Brannan, M. F. Esplen, and J. J. Gray, <i>Geometry</i>, 2nd edition, Cambridge University Press, ISBN 978-1-107-64783-1.

		<input type="checkbox"/> Isaacs, Geometry for College Students, American Mathematical Society Pure and Applied Undergraduate Texts Vol. 8. <input type="checkbox"/> The Winter 2020 version of Big Ideas in Mathematics for Future Elementary Teachers: Big Ideas in Geometry and Data, by John Beam, Jason Belnap, Eric Kuennen, Amy Parrott, Carol Seaman, and Jennifer Szydlik					
29	Course Administrative Information & Outline	Month	Date	Lecture/ Assignments	Homework submission mode	Class Time Required	
		August	22	<input type="checkbox"/> Introductions <input type="checkbox"/> Syllabus overview <input type="checkbox"/> Canvas Overview <input type="checkbox"/> Khan Academy (KA) Overview	<input type="checkbox"/> Register with KA		
			24	Pre-Test	CANVAS		
			26	JOURNAL 1	CANVAS		
			29	Geometric Definitions	(KA)		
			31	Lines, Planes and Angles	(KA)		
			2	Quiz	(KA)		
			5	Labor Day Holiday			
			September	7	Lines, Planes and Angles	(KA)	
				9	Parallel and Perpendicular Lines	(KA)	
				12	Quiz	(KA)	
				14	Exam 1 Review	TBA	
				16	Exam 1	TBA	
				19	Triangles	(KA)	
				21			
		23		Quiz	TBA		
		26		Pythagorean Theorem	(KA)		
		28			(KA)		
		30	Quiz	TBA			
		October	3	Midterm Review	TBA		
			5	Midterm	TBA		
			7	Class Project	CANVAS		
			10	Special Right Triangles	(KA)		

			12	Special Right Triangles	(KA)			
			14	Quiz	TBA			
			17	Quadrilaterals	(KA)			
			19	Quadrilaterals	(KA)			
			21	Quiz	TBA			
			24	Translations	(KA)			
			26	Rotations	(KA)			
			28	Quiz	TBA			
			31	Reflections	KKA			
			2	Symmetry	(KA)			
			4	Quiz	TBA			
		November	7	circles	(KA)			
			9	circles	(KA)			
			11	Quiz	TBA			
			14	Arc Length	(KA)			
			16	Arc Measure/ Area of a Sector	(KA)			
			18	Exam 3	TBA			
			21	Fall Break/Thanksgiving Holiday				
			23					
			25					
			28	Cross sections	(KA)			
			30	Surface Area	(KA)			
				Volume	(KA)			
		December	2	JOURNAL 2	CANVAS			
				Spring Schedule	CANVAS			
				Course Evaluation	CANVAS			
			5-9	Final Exams	TBA			