Instructor:	Ahsan Chowdhury	Learning Assistants: Samuel and Mohamed	
Email:	achowdh6@gmu.edu		
	I reserve email primarily for personal matters. Please read the syllabus and check the syllabus and logistics section of the discussion board prior to emailing me about logistics in this course. Math questions are difficult to resolve over email. Please post a photograph/ of both the problem( so possibly a screen shot), and what you have attempted on a math problem to the discussion board under the relevant unit, or better yet, attend one of the listed office hours, or the math tutoring center. Email only after you have exhausted these options:		
	1. Read the syllabus.	-	
	<ol> <li>Look at the announceme</li> <li>Listen carefully when I'n time.</li> </ol>	nts on Blackboard. n making announcements in class. This means you have to be on	
	<ol> <li>If you miss class, ask and me.</li> </ol>	other student what you missed. This is not a reason for emailing	
	All math questions should be aske assistants.	ed in person after class, during office hours or with Learning	
Instructor Policies:	I do not accept late work, but I wi	ll drop at least one assignment in each category other than tests.	
Office Hours & Location:	Ahsan: Exploratory Hall 4407 Tues/Thurs (11:45-12:45), Wed (1:30-2:20), and by appointment. Learning Assistants Sam and Mohamed TBA during the first week of class.		
Class Meeting Time and Location:	Peterson 2413, Monday and Wednesday 12 – 1:15 PM		
Required Materials:	<ul> <li>have a book, or had MML ac</li> <li>You need to access MyMathl shrink wrap on your book fro suggest starting with free acc link on Blackboard and follow follow the prompts provided bottom for starting with free ac</li> <li>Dry erase markers – bring ac</li> <li>An old mismatched sock to as an eraser during class. A purpose.</li> </ul>	<i>nscendentals</i> , 14th edition, by Hass, Heil Weir. If you already cess previously, you do not need to buy another one. Lab through the link on Blackboard. I believe once you open the m the bookstore, you cannot return it due to the code issue. I ess to the ebook, videos, support and homework by clicking the wing directions. YOU DO NOT NEED A COURSE CODE, after clicking on the Blackboard link, and find the option at the access for two weeks. to class every day. I suggest black, blue and red. put the dry erase markers in inside your backpack and to use a washcloth and ziplock or pencil pouch will serve the same his class. I suggest you do not use them on your homework.	
Course Description:	in Math 113. Math 123 will revie derivatives. The course requires a for homework and studying. This	ester sequence that covers algebra through basic calculus covered w basic precalculus and then proceed to cover limits and a serious time commitment, both in attendance and outside time course is taught in an active learning classroom. Research has nd interaction in the classroom improves learning outcomes.	

Attendance:	The best chance of passing this course comes from 1) attending and participating in class, and 2) doing the work. Don't focus on the grade as much as learning the concepts as you will need them moving forward into 124 and any other Calculus sequence classes you take.
	If you miss class, you miss the opportunity for help on the material presented, discussed and worked on that day in class. Regardless of whether you are present or absent from class, <b>you</b> are responsible for everything that happens in class (assignments, homework, quizzes, etc).
	There will be collaborative activities in class most days as well as prep work to do prior to attending class. This work is graded, and cannot be made up – It also provides opportunities to interact with the material, deepen your understanding, and provides grades outside of tests. I understand that sometimes people are sick or have conflicts with class. A reasonable number of absences should not adversely affect your grade. I do not generally track excused or unexcused absences in this course. Please follow GMU COVID protocols and email me if you need to isolate or have a positive test, I will have a place for you to submit that paperwork on Blackboard.
School Closure	In case of school closure, late start, or canceled class, you will have video lecture from me and assignments, so check your email. I try to keep this class on schedule as best I can.
Homework:	Working homework is the most important part of the learning process in this course. Please be sure you have allocated enough time for this course. Most people need a minimum of ten hours per week dedicated to working problems in this course. If your math background has some gaps or you just need more time to process things, plan for that accordingly by planning at least two hours per day to work math problems. Learning math is NOT a passive activity.
	Homework is assigned in MyMathLab and by hand. MyMathLab homework will be due once per week and written homework will be assigned in class, usually due by the START of the next class over blackboard. I do not accept late papers.
MyMathLab:	MyMathLab is an online software system that accompanies your textbook. There will be Homework due weekly on Fridays at 11:59 and quizzes due weekly on Mondays at 11:59 PM which cover the content from the prior week. There may be portions of tests in MyMathLab, but there will also be written portions of each test and they will be proctored in the Math testing center.
	To sign up: 1. Login to our blackboard course at mymason.gmu.edu
	<ol> <li>Click on "MyMathLab" on the left.</li> <li>If you have a Pearson account, then login. Otherwise, sign up for a new account.</li> <li>Select an option</li> </ol>
	<ul><li>a. Use an access code (if you bought a new book, you got one of these).</li><li>b. Buy access online with a credit card</li></ul>
	<ul> <li>c. <u>Get 17 days of temporary access</u> (look for the tiny blue link at the bottom)</li> <li>5. YOU DO NOT NEED A COURSE CODE. You will not be prompted for one if you start from the single sign on link on Blackboard.</li> </ul>
	MyMathLab Technical Support: <u>http://247pearsoned.custhelp.com</u> (available 24 hours a day) Pearson Customer Service and Technical Support: 800-677-6337.
	MML is a computer graded system. If you get problems right, they are marked correct. There is no partial credit on individual questions. The computer system, like most technical systems is picky about inputs, so please check your answers before submitting your work.
	MyMathLab Homework is accepted up to three days late for a 20% penalty (when Monday is a holiday, MML homework will be accepted 4 days late). MyMathLab quizzes are not accepted late.

In-Class /Quizzes/ Preparation:	You need to prepare for every class. This includes reading the material that we will be covering in lecture, taking notes over your reading and working the examples, and doing any other problems I assign. You will turn something in to me almost every day in class. Sometimes these are pop- quizzes given randomly in class throughout the semester. I also give "quizzes" that are things like checking if you did the preparation work, asking you to work with other people etc. No make-up quizzes are given. One or more quiz grades will be dropped to account for late-adding the course, illness, car trouble, or any other excused or unexcused absences.				
Tests & Final Exam:	There are 3 exams in this course, and one comprehensive final exam. There are no make-up exams unless you have a documented excused absence (that is an absence that I consider excused, like being in the hospital). Decisions about excused absences are solely at the discretion of the instructor. Most likely, rather than making up a missed exam, other than the final, that test grade would just be replaced with your final exam. Get good sleep, eat well, hydrate and exercise and stay healthy!				
	Exam dates are provided on the last page in the schedule. I reserve the right to change exam dates as the semester progresses. The final exam date is given in the schedule on the last page of the syllabus. The final exam date is set by the university so that it will not interfere with any other final exams and that date will not change unless the university changes the exam schedule. There are no make-ups for the Final Exam.				
	All exams are given to uphold strict academic integrity standards. The following policies are in place for each exam.				
	<ol> <li>No collaboration is allowed on the exams. Any indication that you have worked together, used someone else's ideas, copied, or allowed a fellow student to copy your work is a violation of the GMU Honor Code. The exam should be your work and your work only.</li> <li>No calculator is allowed on exams except where noted. No other books, notes, cell phones, computers or aids may be used. Having access to any unauthorized materials, calculators or devices while you are in possession of the exam is a violation of the academic honesty code.</li> <li>Seats are assigned during each exam. Once you receive the exam, you are not allowed to leave the exam room until you are ready to turn the exam in.</li> </ol>				
Requirements and Grading:	MML/Other Homework20%MML/In-person quizzes20%Exam 1 (MML&Paper)10%Exam 2 (MML&Paper)15%Exam 3 (MML&Paper)15%Final Exam20%				
Scale:	100-90 A 89-80 B 79-70 C 69-60 D 59-0 F +/- Added at Instructor discretion				

Withdraw & Audit See the GMU website for important add/drop deadlines: http://registrar.gmu.edu/calendars/

Tutoring:	<ul> <li>The Math Tutoring Center is located in the Johnson Center Room 344. Help is available on a walk-in basis. For hours of operation see <u>http://math.gmu.edu/tutorcenter.htm</u></li> <li>The Volgenau School of Engineering also offers peer tutors. <u>http://volgenau.gmu.edu/undergraduates/peer-mentors</u></li> <li>MyMathLab is also a resource available for this class. In MML there are lecture videos, and step - by-step instructions on how to complete homework problems.</li> </ul>			
Academic				
dishonesty and the GMU Honor Code:	No collaboration is allowed on quizzes or tests. Any indication that you have worked together, used someone else's ideas, copied, or allowed fellow student to copy your work is a violation of the GMU Honor Code.			
	<ul> <li>Some of the behaviors that will be considered cheating are:</li> <li>Communicating with another person during an assessment</li> <li>Copying material from another person from any assignment being graded</li> <li>Allowing another person to copy from any assignment being graded</li> <li>Use of unauthorized assistance on any assignment being graded</li> <li>Use of unauthorized notes or books during an assessment</li> <li>Providing or receiving a copy of a quiz or exam used in the course</li> <li>Use of a cell phone during an assessment</li> </ul>			
Learning Differences & Special Needs	If you have a learning or physical difference that may affect your academic work, please see me and contact the Office of Disability Services (ODS) at 993-2474, <u>http://ods.gmu.edu</u> . All academic accommodations must be arranged through the ODS. Please submit your accommodation sheet under the Accommodations tab on the left side of Blackboard.			

MATH-123 - Calculus (3 credits)

Course dates are tentative and subject to change.

Week	Class Dates	Idays) and quizzes (Mondays or Tuesdays for Labor day and Fall break) due at 11:59 PM <b>Topic</b>
1		Class Introduction/Syllabus/Grade Policy Discussion Review and 1.1
MML HW due/27, MML Quiz due 8/30	0723 <del>CC</del> 23	1.1-Functions and their Graphs (no piecewise functions) Unit Circle
2 MML HW due 9/3, MML Quiz due 9/7	8/30 & 9/1	1.2 - Combining Functions - Shifting and Scaling Graphs         1.3 - Trig Functions - Graphs       Out of class -composition of functions review
<b>3</b> MML Quiz due 9/10, MML HW due 9/14	9/6- Break & 9/8	1.3 – Solving Trig Equations         1.5/1.6 - Exponential and Log Functions, Inverse Functions
4 MML HW due 9/17, MML Quiz due 9/20?	9/13 & 15	1.5/1.6 – Inverse Functions, Log functions & maybe Arctrig functions Review (There likely will NOT be a quiz this week due to Exam)
WWIL QUIZ due 9/20:	9/15	Exam 1: Exams will be taken in class
5 MML HW due 9/24 MML Quiz due 9/27	9/20 & 22	More on arctrig functions (graphs) or straight to limits 2.2 – Limit of a Function (intuitive definition)
6 MML HW due 10/1 MML Quiz due 10/4	9/27 & 29	<ul> <li>2.2 – One sided and two-sided limits, Piecewise Functions</li> <li>2.3 – Precise definition of a limit</li> </ul>
7 MML HW due 10/8 MML Quiz due 10/11	$10/4 \times 0$	<ul> <li>2.2 – Limit laws, Limits based on operators, Limits based on function classification</li> <li>2.5 – Continuity, Limits based on continuity</li> </ul>
	10/12 & 10/13	Flexible/catch up day; to make up for Labor day break
8 MML HW due 10/15 MML Quiz due 10/18?		2.6 – Discontinuities; VA and holes, trig, Limits at infinity (End Behavior), Power functions (There likely will NOT be a quiz this week due to Exam)
	10/13,14,15	Exam 2: Exams will be taken in class
9 MML HW due 10/22 MML Quiz due 10/25	10/18 & 20	<ul><li>3.1 – Tangent Lines and the Derivative at a point (with 2.1)</li><li>3.2 – The Derivative as a Function</li></ul>
10 MML HW due 10/29 MML Quiz due 11/1	10/25 & 27	<ul> <li>3.3 – Differentiation Rules (Basics – power rule, sum/difference, constant multiplier)</li> <li>3.3 – Differentiation Rules (product/quotient)</li> <li>Derivatives of Log Functions</li> </ul>
11 MML HW due 11/5 MML Quiz due 11/8	$11/1 \ \rho_{r} 2$	<ul><li>3.4 – The Derivative as a Rate of Change</li><li>3.6 – The Chain Rule (decompositions)</li></ul>
12 MML HW due 11/12 MML Quiz due 11/15	11/8 & 10	<ul><li>3.5 – Derivatives of Trig Functions</li><li>3.6 – The Chain Rule (really hard problems)</li></ul>
13 MML HW due 11/19 MML Quiz due 11/22?	11/15 & 17	3.7 – Implicit Differentiation Review (There likely will NOT be a quiz this week due to Exam)
		Exam 3: Exams will be taken in class
14	, ,	3.8 – Derivatives of Inverse Functions and Logs, Thanksgiving Break
15	11/29 & 12/1	Review
16	12/13	Cumulative Final Exam in our normal classroom <u>EARLIER THAN USUAL</u> No early finals. No late finals. Be there.

All MyMathLab Homework (Fridays) and quizzes (Mondays or Tuesdays for Labor day and Fall break) due at 11:59 PM