Math 0308.032IN
Foundations of Math Reasoning
Summer 2021, 6/7/2021 – 8/13/2021

Important Note: This course uses Blackboard and COM email in addition to MyMathLab (MML), so please check them regularly.

Instructor Information: Sheri Aajul saajul@com.edu (You can leave a message at the math office at 409-933-8244, but I suggest that you send me an email.)

Student hours and location: Office hours are to be held virtually, usually via zoom link posted in Blackboard.
>**Days/Times:** Wednesday from 11:30 am - 12:00 pm & 7:15 – 7:45 pm, or by appointment. If you want to schedule an appointment, please send question(s) and some days/times that you are available to meet.

Required Textbook/Materials: Minimally, you are required to purchase the access code for MyMathLab (MML) to access the eText for the textbook and all course assignments. A hard copy of the textbook is recommended, but not required. The textbook for this course is: _Prealgebra_, 8th edition, by Elayn Martin-Gay, Pearson Education, 2018. The MyMathLab access code for our course is **aajul98247** and our course name is **Math 0308.032IN Su21 Foundations of Math Reasoning**

Course Description: This course prepares students for a college-level courses in either Statistical Reasoning or Contemporary Mathematics. Topics include: numeracy with an emphasis on estimation and fluency with large numbers; evaluating expressions and formulas; rates, ratios, and proportions; percentages; solving equations; linear models; data interpretations, including graphs and tables; verbal, algebraic and graphical representations of functions; exponential models.

Course requirements:

Internet capability is required to gain access to course materials, online assignments and assessments via MyMathLab (MML) software. ***Some devices like iPads/tablets and cellphones present problems with gaining access to quizzes/tests in MML, so they are not acceptable devices for this class.*** *Discussions, homework assignments, quizzes, four exams and comprehensive final exam are all in My Math Lab (MML).*

MML has **Question Help** accessible on homework and you can email a homework question directly to your instructor, plus you can View an Example, or even ask MML to Help Me Solve

This. You can also use Question Help to link to the associated section in the electronic textbook or watch an associated video. MML Question Help varies by question.

Required Technology: A calculator is needed for this course. A Texas Instruments TI30XIIS, TI83 or TI 84 Plus is recommended. The TI-89, TI-Nspire graphing calculators as well as any internet accessing calculator are **not** permitted (thus, a cell phone should not be used as a calculator for this course.)

Determination of Course Grade/Detailed Grading Formula:
The course grade will be determined in the following way:

Discussions	5%
Comprehensive Final Exam	15%
Regular Exams	60%
MyMathLab Homework	10%
MyMathLab Quizzes	10%
Final Average	100%

You have an unlimited number of attempts on homework during its open period. Your four lowest homework scores will be dropped at the end of the course (because some students will not need to complete the exam reviews.)
You can retake each quiz just once to improve your score, and the higher score will be the one that counts. There are no retakes on exams but there are bonus discussions applied to exams 1-4 available in Blackboard so please be sure to post.
Your final exam grade will replace your lowest test grade, if it is higher.
There are two graded discussions in MML.

Grading Scale:
Grade A: Final Average is [89.5, 100]
Grade B: Final Average is [79.5, 89.5)
Grade C: Final Average is [69.5, 79.5)
Grade D: Final Average is [59.5, 69.5)
Grade F: Final Average is [0, 59.5)

Late Work, Make-Up, and Extra-Credit Policy: If you neglect to take a test by its due date, your score will be the one replaced by the final exam, unless you have prior instructor approval to makeup this test at an alternate time. The late penalty for past due assignments is 20% of your grade. Occasionally, extra credit points will be offered to the entire class; however, individually, extra credit assignments will not be available.

Attendance Policy: Students at COM are expected to participate every week for which they are registered. Per COM policy, students are required to log on to their course at least twice per week, but it may be necessary to log on more times each week to complete the assignments required of this course.

College of the Mainland email: Your College of the Mainland (COM) email must be used to set up MyMathLab (MML.) If you use a personal email then you risk having your account inactivated until you update to your COM email account. ALL electronic communication with the instructor must be through your COM email. Students are expected to check their COM email regularly as it will be the primary means that the instructor uses to communicate with them.

Academic Dishonesty: The textbook, printed material from the class and your personal class notes (including a formula sheet, if you create it) may be used on exams, plus you may use an admissible calculator. No other material is allowed. I suggest that you try to complete the exams without using any documents, and that you use them only if you get stuck. If you have a question about an item, please contact your instructor. Any incident of academic dishonesty will be dealt with in accordance with college policy and the Student Handbook. Academic dishonesty – such as cheating on exams is an extremely serious offense and will result in a **grade of zero** on that exam and the student will be referred to the Office of Student Conduct for the appropriate disciplinary action.

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Mr. Leslie Richardson, Chair of the Math Department, at 409-933-8329 or lrichardson@com.edu.

Course outline:

Week	Section	Topic	Due Date
		Orientation (homework)	
1		**Graded Discussion 1: Syllabus**	
	2.1	Introduction to Integers	June 13
	2.2	Adding Integers	
	2.3	Subtracting Integers	
	2.4	Multiplying and Dividing Integers	
	2.5	Order of Operations	
	2.6	Solving Equations: Review of the Addition and Multiplication Properties	
		Quiz 1: Chapter 2	
		Census Date	**June 14**
Week	Section	Topic	Due Date
2	8.1	Pictographs, Bar Graphs, Histograms, Line Graphs, and Introduction to Statistics	June 20
	8.2	Circle Graphs	
	8.3	The Rectangular Coordinate System and Paired Data	
	8.4	Graphing Linear Equations in Two Variables	
	8.5	Counting and Introduction to Probability	
		Review for Test 1 (homework)	
		Test 1: Chapters 2 and 8	

Week	Section	Topic	Due Date
3	3.1	Simplifying Algebraic Expressions	
	3.2	Solving Equations: Review of the Addition and Multiplication Properties	June 27
	3.3	Solving Linear Equations in One Variable	
	3.4	Linear Equations in One Variable and Problem Solving	
		Quiz 2: Chapter 3	
	4.1	Introduction to Fractions and Mixed Numbers	

Week	Section	Topic	Due Date
4	4.2	Factors and Simplest Form	
	4.3	Multiplying and Dividing Fractions	
	4.4	Adding and Subtracting Like Fractions, Least Common Denominator, and Equivalent Fractions	July 5
	4.5	Adding and Subtracting Unlike Fractions	
	4.7	Operations on Mixed Numbers	
	4.8	Solving Equations Containing Fractions	
		Holiday	July 4

Week	Section	Topic	Due Date
5		Review for Test 2 (homework)	
		Test 2: Chapters 3 and 4	
	5.1	Introduction to Decimals	
		Graded Discussion 2: Decimals	July 11
	5.2	Adding and Subtracting Decimals	
	5.3	Multiplying Decimals and Circumference of a Circle	
	5.4	Dividing Decimals	

Week	Section	Topic	Due Date
6	5.5	Fractions, Decimals, and Order of Operations	
	5.6	Solving Equations Containing Decimals	
	5.7	Decimal Applications: Mean, Median, and Mode	July 18
		Quiz 3: Chapter 5	
	6.1	Ratios and Rates	
	6.2	Proportions	

Week	Section	Topic	Due Date
7	6.3	Proportions and Problem Solving	
		Review for Test 3 (homework)	
		Test 3: Chapters 5 and 6	July 25
	7.1	Percents, Decimals, and Fractions	
	7.2	Solving Percent Problems with Equations	
	7.3	Solving Percent Problems with Proportions	

Week	Section	Topic	Due Date
8	7.4	Applications of Percent	August 1
	7.5	Percent and Problem Solving: Sales Tax, Commission, and Discount	
	7.6	Percent and Problem Solving: Interest	
		Quiz 4: Chapter 7	
	9.2	Perimeter	
	9.3	Area, Volume, and Surface Area	
		Last Day to Withdraw	**August 2**
Week	Section	Topic	Due Date
9	9.4	Linear Measurement (US & Metric units of length)	August 8
	9.5	Weight and Mass (US & Metric units of weight and mass)	
	9.6	Capacity (US & Metric units of volume)	
	9.7	Temperature and Conversions Between the U.S. and Metric Systems	
		Review for Test 4	
		Test 4: Chapters 7 and 9	
Week	Section	Topic	Due Date
10		Review for Final Exam (homework)	August 11
		Comprehensive Final Exam	

W-Day: August 2, 2021*

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook.<https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor's professional judgment of the quality of the student's work and performance is also not an admissible basis for a grade appeal.* https://build.com.edu/uploads/sitecontent/files/student-services/Student_Handbook_2019-2020v5.pdf

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Holly Bankston at 409-933-8520 or hbankston@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Counseling Statement: Any student needing counseling services is requested to please contact Holly Bankston in the student success center at 409-933-8520 or hbankston@com.edu. Counseling services are available on campus in the student center for free and students can also email counseling@com.edu to set up their appointment. Appointments are strongly encouraged; however, some concerns may be addressed on a walk-in basis.

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a "W" grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw is August 2nd.

F_N Grading: The F_N grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The F_N grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing of the F_N grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an F_N grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

COVID-19 Statement: All students, faculty, and staff are expected to familiarize themselves with materials and information contained on the College of the Mainland's Coronavirus Information site at www.com.edu/coronavirus. In compliance with Governor Abbott's May 18 Executive Order, face coverings/masks will no longer be required on COM campus. Protocols and college signage are being updated. We will no longer enforce any COM protocol that requires face coverings. We continue to encourage all members of the COM community to distance when possible, use hygiene measures, and get vaccinated to protect against COVID-19. Please visit com.edu/coronavirus for future updates.