Math 0306.150CL
Foundations of Math Reasoning
Fall 2022
9:30am – 10:50am, M & W, Bldg #23, Room 306
10:00am – 10:50am, Fridays, Bldg #23, Room 306

Instructor Information: Aida Manukyan, amanukyan@com.edu

Student hours:
M&W: 12:30 – 1:30pm

Required Textbook/Materials: The textbook for this course is: **Prealgebra, Eighth Edition, By Elayn Martin-Gay, Pearson Education.**

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
Four regular Tests
Comprehensive final exam
Online Homework Assignments (My Math Lab/Brightspace)
Online Quizzes (My Math Lab/Brightspace)

Determination of Course Grade/Detailed Grading Formula

Online Homework
The homework assignments appear in My Math Lab, which is accessed through Brightspace. You have unlimited tries to get every question right. You should begin the assignments as soon as possible after the material is covered in class. The due dates are shown next to the assignments in the Assignments folder in MML.

Quizzes and Exams

There are four quizzes, 4 chapter-exams and a comprehensive final exam. All quizzes are done online using MML. Due dates are shown next to the assignments in the Assignments folder in MML. You can retake each quiz just once to improve your score; the higher score will be the one that counts. All exams are taken in the classroom. **There are no retakes on any of the exams.**

MyMathLab Quizzes
There are 4 quizzes. They appear in My Math Lab, which is accessed through Brightspace. To take a quiz, you must first unlock it by completing at least 70% of the homework from the related sections.

Accessing MyMathLab
1. Log into Brightspace
   a. Click on the My Math Lab link for the appropriate class
   b. Click on HOMEWORK button and then the homework assignment you wish to do.

2. Use the "**Show Me How**" aids when needed and complete the homework assignment.
3. Enter your answers then click the CHECK ANSWER button.
4. If needed, click the SIMILAR EXERCISE button to redo the exercise.
5. If the submitted answer is correct, click on the SAVE button to send your results to the gradebook. Your grade will show up in the GRADEBOOK and will be automatically accessible by your instructor.
6. Click on the next question to continue.

Class Participation
To maximize learning, students must be actively engaged in the classroom. You need to be listening to the discussion, taking notes, asking questions, and helping to maintain a learning atmosphere. Cellphones are not allowed in classroom.

Grading Scale
The following weighting system will be used to determine your overall average.

Comprehensive Final Exam	**16%**
Regular Exams	**64%**
MyMathLab Homework	**10%**
Quizzes	**10%**

Your letter grade will be determined by your overall average using the following 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 or Fn: Final Average is [0, 59.5)

Grade I: Given unforeseen circumstances that result in the inability to successfully complete the course objectives, an I-Contract can be requested from the instructor assuming you meet the following criteria:
  1. Have a passing overall average (70 or higher)
  2. All work completed except for The Final.

(Retaking the placement test does not affect your grades in this course. Your grade will be based on the information outlined above.)

Grade W: If you drop the class after census day, your official grade will be W, regardless of how much of the coursework has been completed. Keep in mind that if you drop a class that is linked to another, you will be dropped from both.

Late Work, Make-Up Policy
Each class meeting is a unique experience involving interaction with other students and cannot be recreated. In-class participation cannot be made up. You are still responsible for what was covered. If you are unable to attend class, you will need to talk with another student or meet with the instructor outside of class. Obviously, not everyone will be able to have perfect attendance, for whatever reason. Just be aware that if you are not in the classroom, additional effort will be needed to stay caught up.
All work other than the final must be completed by the day before the scheduled Final. Students will be allowed to substitute 1 low test score with their Final Exam score. **There are no retakes.**

Homework Assignments: You many continue to work on homework assignments after the deadline. Problems from regular homework assignments completed after the deadline will have their scores reduced by 20% for late submission.

Online Quizzes: Students who do not meet the initial deadline for a quiz can still take that quiz, provided the prerequisite homework scores have been met. There will be 20% penalty for late submission.

Tests: Officially, there are no makeup tests. If you can provide documentation for special circumstances, we can explore options.

The deadline for completing all work (other than the final) **is December 6.**

Attendance Policy
Students at COM are expected to attend and participate in every session of all classes for which they are registered. Regular attendance is a critical component to being successful in courses. Students should consult with their instructors when it becomes necessary to miss a class. Students are required to attend all classes. College of the Mainland recognizes no excused absences other than those prescribed by law.

You cannot make-up classes, and it is your responsibility to be punctual and regularly attend class. It is in your best interest to attend all classes, be punctual, and not leave early. It is extremely difficult to succeed in this course without having good attendance.

Communicating with your instructor: ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means. Class announcements which do not include personal information may be shared via Brightspace/My Math Lab.

Academic Dishonesty: 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 Leslie Richardson at 409-933-8329 or lrichardson@com.edu.

Course outline: This course borrows the first 2 weeks from Math 1332.150CL. Time from the last 2 weeks of this course is returned to Math 1332.150CL, so that the total time for each course is correct.

This is a tentative schedule. As the semester progresses, adjustments may be needed.

Week	Day	Sections Covered	Due Date
1	8-22	Introduction	
		2.1 Introduction to Integers	8-19
		2.2 Adding Integers	8-20
		2.3 Subtracting Integers	8-21
	8-24	2.4 Multuplying and Dividing Integers	8-22
		2.5 Order of Operations	8-23
	8-26	2.6 Solving Equations: Review of the Addition and Multiplication Properties	8-29
		Chapter 2 Quiz-will not appear until unlocked (70% in each assignment is required to unlock)	**9-2**
2	8-29	3.1 Simplifying Algebraic Expressions	9-1
		3.2 Solving Equations: Review of the Addition and Multiplication Properties	9-2
	8-31	3.3 Solving Linear Equations in One Variable	9-3
		3.4 Linear Equations in One Variable and Problem Solving	9-4
	9-2	4.1 Introduction to Fractions and Mixed Numbers	9-5
3	9-5	Holiday	
	9-7	4.2 Factors and Simplest Form	9-10
	9-9	Test 1 Review	9-11
4	9-12	**TEST 1 (CH. 2&3)**	
	9-14	4.3 Multiplying and Dividing Fractions	9-17

		4.4 Adding and Subtracting Like Fractions (start)	
	9-16	4.4 Adding and Subtracting Like Fractions (finish)	9-19
5	9-19	4.5 Adding and Subtracting Unlike Fractions	9-22
	9-21	4.7 Operations on Mixed Numbers 4.8 Solving Equations Containing Fractions (start)	9-24
	9-23	4.8 Solving Equations Containing Fractions (start) **Chapter 4 Quiz-will not appear until unlocked (70% in each assignment is required to unlock)**	9-26 **3-30**
6	9-26	5.1 Introduction to Decimals 5.2 Adding and Subtracting Decimals 5.3 Multiplying Decimals and Circumference of a Circle (start)	9-29 9-30
	9-28	5.3 Multiplying Decimals and Circumference of a Circle (finish) 5.4 Dividing Decimals 5.5 Fractions, Decimals, and Order of Operations (start)	10-1 10-2
	9-30	5.5 Fractions, Decimals, and Order of Operations (finish)	10-3
7	10-3	5.6 Solving Equations Containing Decimals 5.7 Decimal Applications: Mean, Median, and Mode	10-6 10-7
	10-5	6.1 Ratios and Rates 6.2 Proportions	10-8 10-9
	10-7	Test 2 Review	10-9

8	10-10	**TEST 2 (CH. 4&5)**	
	10-12	6.3 Proportions and Problem Solving	10-15
		Chapter 6 Quiz-will not appear until unlocked	**10-19**
		(70% in each assignment is required to unlock)	
	10-14	7.1 Percents, Decimals, and Fractions	10-17
9	10-17	7.3 Solving Percent Problems with Proportions	10-20
		7.2 Solving Percent Problems with Equations	10-21
	10-19	7.4 Applications of Percent	10-22
		7.5 Percent and Problem Solving: Sales Tax,	
		Commission, and Discount	10-23
	10-21	7.6 Percent and Problem Solving: Interest	10-24
10	10-24	8.1 Pictographs, Histograms, Line Graphs,	
		and Introduction to Statistics	10-27
		8.2 Circle Graphs	10-28
	10-26	8.3 The Rectangular Coordinate System	
		and Paired Data	10-29
		8.4 Graphing Linear Equations in Two Variables	10-30
	10-28	Test 3 Review	10-30
11	10-31	**TEST 3 (CH. 6&7)**	
	11-2	9.2 Perimeter	11-5
	11-4	9.3 Area, Volume, and Surface Area	11-7
12	11-7	9.4 Linear Measurement	11-10
		(US & Metric units of length)	
		9.5 Weight and Mass	11-11
		(US & Metric units of weight and mean)	
	11-9	9.6 Capacity (US & Metric units of volume)	11-12

	11-11	9.7 Temperature and Conversions Between	
		the US and Metric systems	11-14
		Unit Analysis Worksheet	11-16
13	11-14	Test 4 Review	11-16
	11-16	**TEST 4 (CH. 8&9)**	
	11-18	Review for The Final	
14	11-21	Review for The Final	11-22
	11-23	**THE FINAL**	
	11-25	Holiday	
15	12-2	Review	

The syllabus is subject to change at the discretion of the instructor.

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 Michelle Brezina at 409-933-8124 or mvaldes1@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

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 from the 1st 8-week session is October 5. The last date to withdraw from the 16-week session is November 18. The last date to withdraw for the 2nd 8-week session is December 1.

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN 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 FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN 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.

Resources to Help with Stress:
If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here https://www.com.edu/community-resource-center/. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.