Miami Dade College
Kendall Campus

MGF 1107 Math for Liberal Arts 2

Instructor:	Carlos Sotuyo	**Ref #:**	10326
Office:	Room 3348	**Term:**	Spring 2018
Email:	csotuyo@mdc.edu	**Department Phone:**	305-237-2431
Day/Time:	Mon-Wed 5:40-8:10 pm	**Room:**	9220

Office Hours

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
4:30-5:30 pm		4:30-5:30 pm				

Course Description:

This course introduces the student to the concepts of financial mathematics, linear and exponential growth, numbers and number systems, history of mathematics, elementary number theory, voting techniques, and graph theory. All the competencies for this course can be found at: http://www.mdc.edu/asa/documents/competencies/pdf/STA2023.pdf

Text: Thinking Mathematically, Blitzer, 6th edition

Attendance:

Attendance will be taken during each class period. Students who miss three or more classes may be withdrawn from the course. If you expect to miss a class or have missed a class for a valid reason, email your instructor.

Classroom decorum:

In order to optimize your learning experience, classroom interruption must be kept to a minimum. Please make every effort to arrive on time and avoid causing an interruption if you need to leave early. Please turn your cell phone to a silent mode and avoid using it during class. In an emergency, you may excuse yourself and leave the classroom. The professor holds the right to ask a student to leave if that student is disrupting the learning environment.

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Registration and Withdrawal:

It is the students' responsibility to ensure they are registered for the course, and not dropped due to late payments or any other circumstances that may have come up. It is also the students' responsibility to drop the course before the drop deadline if they feel they will not be able to complete the course.
Last day to drop with refund Jan/12 Last day to withdraw from courses with a "W" grade: Feb 9.

Academic Dishonesty Policy:

If a student is caught cheating, that student will automatically fail the assignment, and will be referred to the dean. For additional information on academic dishonesty policies, please refer to the Student's Rights and Responsibilities Handbook.

Grading Policy:

There will be homework assigned on a weekly basis. All the homework put together will count as a single exam. In addition to the homework there will be 4 in class exams and one project (details of project may be found at the end of the syllabus). The homework, project, and exams will be weighted equally. There will be an optional final exam which replaces the lowest test grade if you decide to take it (the final exam **cannot** replace the grade of the project or homework).

Your grade will be distributed as follow:

$$Grade = \frac{HW + Project + T_1 + T_2 + T_3 + T_4}{6}$$

Your final grade will be distributed according to the following scale:

Average of 90-100%	A
Average of 80-89%	B
Average of 70-79%	C
Average of 60-69%	D
Average below 60%	F

Resources and Support

Mathematics Tutoring Lab
Room: 3319
Hours of Operation:
Monday-Thursday: 9:00am – 8:00pm
Friday: 9:00am – 3:00pm
Saturday: 10:00am – 3:00pm
To get the most of the lab it is encouraged to attend the lab in groups of 4 and sign up with a tutor.

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Tentative Schedule

Schedule may be changed at the professor's discretion, you're responsible to verify dates and topics.

Date	Section	Topic
1/10	14.1	Graphs, Paths, and Circuits
	14.2	Euler Paths and Euler Circuits
	13.1	Voting Methods
	13.2	Flaws of Voting Methods
1/17	Review	
1/22	Test 1	
1/22	5.2	Adding/Subtracting/Multiplying/Dividing Integers with Negative Number
	5.2	Exponents and Order of Operations
	5.3	Fractions to Decimal and Decimals to Fractions Multiplying/Dividing with Fractions
	5.3	Adding/Subtracting with Fractions
	5.4	Simplifying Square Roots And Adding/Subtracting with Square Roots
	5.6	Exponent Rules and Scientific Notation
	4.2/5.1	Change of Base and Division Tricks
1/24, 1/29	Review	
1/31	Test 2	
1/31	6.1	Algebraic Expressions and Formulas
	6.2	Linear Equations
	6.4	Linear Inequalities
	7.1	Graphing and Functions
	7.2	Linear Functions and their Graphs
2/5, 2/7	Review	
2/12	Test 3	
2/12	8.1	Fraction-Percent, Decimal-Percent, Percent-Decimal, and Finding Percent of a Num.
	8.1	Sales Tax and Discounts
	8.2	Income Tax
	8.4	Compound Interest
	8.5	Saving and Annuities
	8.7	Mortgages
2/12, 2/14	Review	
2/21	Test 4	
2/26	Review for Final	
2/28	Final	

Holidays: - Martin Luther King Day: Jan/15, President's Day Feb 17-19.
Last day to withdraw: w/refund: 1/12; with "W", 2/9. **Final Exam: 2/28**
Final exam: Feb 28.

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Project:

Writing a Paper On a Known Mathematician

Due: Feb 14/2018

Objective:

- Research a known historical mathematician (Examples: Euler, Newton, Leibniz, Galois, Lorentz) (20pts)
- Discover the mathematician contributions to modern day mathematics (30pts)
- Explain how this mathematics may have influenced modern day life or how it has effected historical events in the world (30pts)
- Discover the importance of mathematics (20pts)

Criteria:

- The paper must meet all of the objectives
- Must be 2- 3 pages long (the paper can be no longer than 3-pages)
- Bibliography.