



# Syllabus

Spring 2018

## **Finite Math, MGF 1106.B53, 5:00PM-6:15PM, Tu,Th**

### **Professor Information:**

*Instructor: Prof. Alireza Rostamian*

*I would like to welcome you to your MGF 1106 class and wish all of us a productive and successful semester.*

*Office: AC1 - Room 376 (BBC)*

*Office ph: (305) 919-4048*

*Office Hours: TR, 3:15PM – 4:45PM*

*E-mail: [rostamia@fiu.edu](mailto:rostamia@fiu.edu) (Email is the quickest way to communicate with me.)*

*Math Dep: (305) 348-2743, M-F; 9:00AM – 4:45PM . (Leave a message.)*

### **Course Description And Purpose:**

*Do we have to make decisions to minimize our expenses, maximize revenue and /or profit?  
Are we ready to act properly when we encounter such situations for our family business, or as a manager at a small business or in corporate world?  
Will we need to analyze experimental data to make accurate predictions for the wellbeing of our family businesses, or firms at which we have managerial positions?  
How may this course affect our decision-making ability in a positive and professional manner?*

*In this course we will explore some mathematical concepts that could help us answer the above and other similar questions. This course is designed for students who major in Social Sciences, history, Philosophy, hospitality, education, and students who regardless of their majors, are interested in applying mathematical principles in real-world situations. In other words, it is math for life. Topics include sets, logic, combinatorics, probability, statistics, linear equations, linear systems, and linear programming.*

### **Course Objectives:**

*By the end of this course you will be able to:*

- Define terms and state theorems; identify symbols, variables, coefficients, Linear equations and inequalities and corresponding graphs*
- Classify Information, using Tables, Bar Graphs, Line Graphs, and Inequalities; and use them to describe and discuss in Applications.*
- Apply your knowledge to solve problems in Business, Social Sciences, and Health Science Courses.*
- Critically Analyze problems and solve them efficiently.*
- Collect and arrange information and propose solutions to the related problems.*
- Choose appropriate way to solve problems and predict results.*

## ***Textbook:***

*Finite Mathematics, custom edition for FIU, (11<sup>th</sup> edition ) with Mylabsplus code, Pearson.*

## ***Sections to be covered:***

- *Chapter R: Sections 4 & 5*
- *Chapter 1 : Sections 1 & 2*
- *Chapter 2 : Section 1*
- *Chapter 3 : Sections 1 – 3*
- *Chapter 6 : Sections 1 – 5*
- *Chapter 7 : Sections 1 – 5*
- *Chapter 8 : Sections 1 – 5*
- *Chapter 9 : Sections 1 – 3*

## ***Note:***

*I reserve the right to make any necessary changes in the syllabus. Such changes will be announced immediately.*

## ***Important Information***

### ***Policies:***

*Please review the [policies page](#) as it contains essential information regarding guidelines relevant to all courses at FIU.*

*Drops are not initiated by this instructor. If you plan to drop this class, then do it by **Mon, March 19<sup>th</sup>**.*

### ***Extra Tuition Charges for Repeated Courses and Excess Hours:***

*The Florida Legislature has mandated a tuition surcharge for the third time a student either takes or attempts a college credit course. For more information on this charge, including possible appeal of this surcharge, see <http://registrar.fiu.edu/index.php?id=738>. This charge should serve as additional motivation for you not to have to retake this course. In other words, **ATTEND CLASS AND COMPLETE THE HOMEWORK!!!***

***Course Prerequisites:*** *This course has no prerequisite.*

### ***Course Expectations:***

***Attendance:*** *By enrolling in this class, you have joined a community of learners. Attendance in this class is **not required but strongly recommended**. You will receive 2 extra points for full attendance and class participation. Your presence and participation in class is crucial not only to your own learning, but also to the quality of the course. If you are not present, our community will be*

*incomplete, and your peers will not be able to benefit from your questions and ideas. Nonetheless you will be permitted up to two unexcused absences during the semester which means that two absences will not hurt your grade.*

*Excused absences in the case of illness, or an emergency will require verification of such. If you are not able to attend class due to a religious holiday or holy day, be sure to notify me a few days in advance. When absent, whether excused or unexcused, please contact a fellow student or me to find out both what was done in class and what assignment is due.*

***Absence on Test days:*** *There are no make up tests, except for absences due to religious holidays. In such cases make up tests will be arranged at my office during the office hours, not later than a week after the test day. If you miss a test and the absence is excusable, then I reserve the right to replace the zero grade of the missing test by that of your final exam. Proper documentation will be required to justify the absence. Please do not miss more than one test. I will not accept any reason(s) and will not count your Final Exam as three grades, etc. The Final Exam must be taken and the absence policy on test days **will not** be applicable if you miss the Final.*

### ***How will attendance affect your grade?***

*Please be on time if you choose to attend. For each tardy 2 points will be taken off the test following the tardy day(s).*

***Class participation:*** *Be prepared for class if you choose to attend. Partnership between the professor and students create a positive learning environment which is essential to our success. We need to respect the right of others as we expect others to respect our rights.*

***Class conduct:*** *We are bound by FIU policies on conduct and academic rights. Please be sure that you are fully familiar with rules and regulations of our university. Some unacceptable but not limited to behaviors are:*

- *Talking without permission*
- *Excessive tardiness and constant early departures*
- *Use of phone or any electronic device (Laptops can be used for note-taking)*
- *Walking in and out is discouraged except for emergencies. Answering a phone call or text messaging of any nature are not considered emergencies*

***Be sure that your cell phones are off before entering the classroom and remain off during the class meeting.***

### ***Course Communication:***

*Communication in this course will take place via Email.*

*Again, my FIU Email, [rostamia@fiu.edu](mailto:rostamia@fiu.edu) is the quickest way to contact me. Please allow 48 hours response time.*

### ***Grading:***

*After rounding off your average to the nearest whole number (PERCENT), the following grading scale will be applied. **I do not curve** grades or drop your lowest test result. Do not miss any tests*

95% - 100%	A	74% - 76%	C+
90% - 94%	A-	65% - 73%	C
85% - 89%	B+	60% - 64%	D
80% - 84%	B	0% - 59%	F
77% - 79%	B-		

**Grading Requirements**

**Weight**

Test 1:	16%
Test 2:	16%
Test 3:	16%
Test 4:	16%
Mylabsplus Homework:	10%
Mylabsplus Quizzes:(A minimum grade of 70% needed in the corresponding HW)	6%
Attendance/Class participation (Extra Credit):	2%
Cumulative Final Exam:	20%
<b>Total:</b>	<b>102%</b>

**Math Department website:** For tutoring schedule, Solution Manual,( <http://mathstat.fiu.edu/useful-information/math-resources/finite-math/>) Password, etc, visit [mathstat.fiu.edu](http://mathstat.fiu.edu)

**Tutoring and Support Services:**

On Campus Tutoring:

**The University Learning Center in GL 120** located in GL 120 at the Modesto Maidique Campus or in AC1 160 at the Biscayne Bay Campus. If you go and there are tutors available, you will get immediate help. Otherwise, you will have to make an appointment. The phone number is (305)348-2441 for MMC and (305) 919-5927 for BBC.

**AAA Tutorial Program** offered by the Office of Multicultural Programs and Services. Tutoring is free for all FIU students. The AAA Tutorial Office is located in GC 267 at the Modesto Maidique Campus or in WUC 253 on the Biscayne Bay Campus. Subjects include College Algebra, Trigonometry, Differential Equations, Finite Math, Statistics, Business Calculus, Pre-Calculus, Calculus I,II and III. If you want to make an appointment please call 305-348-6425 for MMC or 305-919-5817 for BBC or e-mail [aaatutoringfiu@gmail.com](mailto:aaatutoringfiu@gmail.com)

## ***Exam Information:***

*Official Dates for Exams 1, 2, 3, & 4 are as follows:*

- *Test 1: Feb 1<sup>st</sup>.*
- *Test 2: Feb 22<sup>nd</sup>.*
- *Test 3: March 22<sup>nd</sup>.*
- *Test 4: April 17<sup>th</sup>.*
- *Cumulative Departmental Final Exam: TBA, Based on FIU Final Exam Schedule*

*I will reserve the right to change the exam dates. However, any changes will be announced about 5 days earlier.*

*All tests better be written using pencil. A scientific calculator is required. Graphing calculators are prohibited on tests. You cannot take the test without your panther ID, or a positive pictured ID.*

*Cell phones must be turned off during tests. The vibrate mode is not considered turned off. Cellular phones must not be visible to you or me. If they are on your belt, they are visible. If they are in your book bag or pocket, they are not. Violations of this policy will result in you having to put the cell phone in the hallway immediately outside the class. If you are afraid it will be stolen, you may choose to leave with it, but you will not be readmitted to the test and all unanswered test questions will be marked wrong.*

***Note:** If you see a note posted saying that a test is canceled, make sure it is on FIU stationary and wait AT LEAST for 15 minutes passed the starting time of class before leaving.*

## ***Course Calendar:***

<b><i>Week</i></b>	<b><i>Section</i></b>	<b><i>Mylabsplus HW/Quiz/</i></b>
<b><i>1</i></b>	<i>Secs 6.1 – 6.3</i>	<i>HW/Q #s 1 – 3</i>
<b><i>2</i></b>	<i>Secs 6.4, 6.5, &amp; 7.1</i>	<i>HW/Q#s 4 – 6</i>
<b><i>3</i></b>	<i>Secs 7.2, &amp; 7.3</i>	<i>HW/Q #s 7, &amp; 8</i>
<b><i>4</i></b>	<i>Sec 7.4, &amp; review for Test 1</i>	<i>Practice Test 1, HW/Q # 9</i>
<b><i>4</i></b>	<b><i>Test 1, Thurs, 02/01/18</i></b>	<i>Covers Secs 6.1-7.3</i>
<b><i>5</i></b>	<i>Secs (7.4 if needed),7.5 &amp; 8.1</i>	<i>HW/Q #s 9 - 11</i>
<b><i>6</i></b>	<i>Secs 8.2, &amp; 8.3</i>	<i>HW/Q #s 12 &amp; 13</i>
<b><i>7</i></b>	<i>Sec 8.4 &amp; review for Test 2</i>	<i>HWQ # 14, &amp; Practice Test 2</i>
<b><i>7</i></b>	<b><i>Test 2, Thurs, 02/22/18</i></b>	<i>Covers Secs 7.4-8.3</i>
<b><i>8</i></b>	<i>Secs (8.4 if needed) 9.1 &amp; 9.2</i>	<i>HW/Q #s 14 - 16</i>

<b>9</b>	<i>Secs 8.5 &amp; 9.3</i>	<i>HW/Q #s 17 &amp; 18</i>
<b>10.</b>	<b><i>Spring Break</i></b>	_____
<b>11</b>	<i>Catch up/Review for Test 3</i>	<i>Practice Test 3</i>
<b>11</b>	<b><i>Test 3, Thurs, 3/22/18</i></b>	<i>Covers Secs 8.4-9.3</i>
<b>12</b>	<i>Secs R.4, R.5, 1.1, &amp; 1.2</i>	<i>HW/Q #19, 20, 21</i>
<b>13</b>	<i>(Sec1.2 if needed)&amp; Secs 2.1, 3.1</i>	<i>HW/Q #s 22 &amp; 23</i>
<b>14</b>	<i>(Sec 3.1 if needed), &amp; Secs 3.2, 3.3</i>	<i>HW/Q #s 24 &amp; 25</i>
<b>15</b>	<i>Catch up/ Review for Test 4</i>	<i>Practice Test 4</i>
<b>15</b>	<b><i>Test 4, Tues, 4/17/18</i></b>	<i>Covers Secs R4-3.3</i>
<b>16</b>	<b><i>Final Exam ( Day &amp; time TBA)</i></b>	_____

***Good Luck***