

**FLORIDA INTERNATIONAL UNIVERSITY**  
**Mathematics Department**  
**Syllabus \*\* MGF1107 \*\* Spring 2012**

**Term:** Spring 2012

**Course:** MGF 1107

**Instructor:** Cleveland Taylor

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**Office hours:** 8:00--9:00a.m. M. F. in DM XYZ.

**Meeting Time and Place:** TR 8:00—9:15a.m. in Room PC 211.

**Course Description:**

Topics include voting systems, weighted voting, fair division, apportionment, and Game Theory. This course satisfies FIU's Core Curriculum and General Education math requirements and can be used towards an exemption from the CLAST. It is intended to be of interest to students majoring in Political Science, International Relations, History, Social Studies Education, and Public Administration.

**Textbook:**

For All Practical Purposes, custom edition for FIU, available only at the FIU bookstore. ISBN 1-4292-3974-3.

**Chapters Covered:**

Chapter 9, Combinatorics, Chapters 11, 13, 14, Probability, Chapter 15.

**Grading:**

There will be three exams worth 25% each, plus a comprehensive Final Exam worth 25%. The simple average of these tests will determine your final grade according to the following table: 90 or above, some type of A. 80—89, some type of B; 70—79, some type of C; 60—69, some type of D; 0—59, an F.

**Attendance:**

On test days, attendance is required. There are NO MAKEUP TESTS. If you miss a test and, in the opinion of the instructor, the absence is excusable, your final exam will count as two grades. If the absence is not excusable, you will receive a zero on the test missed. Be prepared to document your excuse with a traffic ticket, hospital bill, arrest form, etc. A doctor's note is not acceptable unless it says "(student's name) was unable to attend school on (date of test)." Tardiness is permitted on test days without penalty although you will have less time on the test than everyone else. **If you are so late that someone has already turned in their test before you arrive, you will not be allowed to take the test.**

All tests must be written using pencil. A calculator with a square root button is required. Graphing calculators are prohibited on tests.

**Beepers and Cell Phones:**

Beepers and cell phones must be **turned off** during tests. The vibrate mode is not considered **turned off**. Beepers and 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 beeper or 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.

**Drops and Tuition:**

**DROPS** are not initiated by Prof. Taylor. If you stop attending, you must drop this class yourself to avoid a grade of F. The deadline for dropping classes with a grade of DR is March 19.

**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. This charge should serve as additional motivation for you not to have to retake this course. In other words, **DO THE HOMEWORK!!!**

**Academic Misconduct:**

ACADEMIC MISCONDUCT includes (but is not limited to) giving or receiving assistance on a test, quiz, or homework assignment for which such assistance is not permitted, falsifying a document to obtain an excusal from a test, and using unauthorized notes on a test or quiz. A more complete definition of Academic Misconduct is given [here](#). Penalties for Academic Misconduct range from an F in the course to expulsion from the university.

<b>WEEK:</b>	<b>SECTIONS:</b>	<b>Suggested Exercises:</b>
01/10—12/12	<b>[ 9.1—9.2</b>	<b>9:</b> 9, 10—15, 19—24, 26, 29, 35.
01/17—19/12	9.3—9.4	
01/24—26/12	FCP	
01/31—02/12	11.1—11.2 <b>]</b>	<b>11:</b> 1, 3, 7, 8c, 13—15, 23a, 27, 35ac
02/02—02/12	<b>Exam I</b>	
02/07—09/12	<b>[ 11.3—11.4</b>	
02/14—16/12	13.1—13.2	<b>13:</b> 1—4, 7—12, 22.
02/21—23/12	13.3—13.5 <b>]</b>	
02/28—28/12	<b>Exam II</b>	
02/28—01/12	<b>[ 14.1—14.2</b>	<b>14:</b> 5, 6, 8, 9, 13, 15, 16, 19, 20, 24, 27—33.

03/06—08/12	14.3—14.4	
03/12—16/12	<b>Spring Break!!!</b>	
03/20—22/12	14.4—IP	
03/27—29/12	15.1—15.2 ]	<b>15:</b> 1abc, 3abc, 7—10, 11abd, 17
03/29—29/12	<b>Exam III</b>	
04/03—05/12	15.3—15.4	
04/10—12/12	15.4—15.5	
04/17—19/12	15.5	
04/26—26/12	<b>Final Exam</b>	[ Th. 7:30—9:30a.m. according to FIU's schedule <b><u>only.</u></b> ]