

**MAD 1100-U02**  
**Mathematics for Information Technology**  
**SYLLABUS-Spring 2012**

**Instructor:** Dr. Arturo Presa

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**Phone Number:** 305 237 7542

**Days, Time and Room:** TuTh, 5:00 PM-6:15PM, Room 211

**Office hours:** TR 7:40PM-8:40PM (in the room Charles Perry Bldg. 212)

**Section:** U02 (14571)

**Textbook:** A First Course in Discrete Mathematics by John C. Molluzo and Fred Buckley, (Waveland Press, Inc. 1986)

**Course Description:** Mathematics for Information Technology is an introductory course in discrete mathematics providing the students with a core of mathematical terminology and concepts. The course is not intended to teach students how to construct mathematical proofs, although the material will require the student to use abstract thinking.

**Examinations:** There will be three exams and a comprehensive final exam (see the schedule).

**Grading policy:**

Your grade will be calculated as follows:

Activity	% of Grade
Test 1-3	25% each
Final exam	25%
<b>Total</b>	100%

Your final grade will be assigned according to the following scale.

**A: 93 – 100      B+: 86 – 88      C+: 75 – 78      D +: 60 - 64**  
**A- : 89 – 92      B: 83 – 85      C: 70 – 74      D : 55 - 59**  
**B-: 79 – 82      C-: 65 – 69      F: 0 - 54**

**Make-up Policy:** There will be no make-up tests. If you miss a test due to illness or other emergency and provide documentation supporting your claim, your final exam will count in place of the missed test..

**Attendance Policy:** You are expected to attend all classes. It is your responsibility to complete all assignments on time regardless of whether or not you were present in the class. Excessive absence will be taken into consideration when assigning the grade.

**Incomplete Grade Policy:** The incomplete grade is given to a student who has substantially completed most of the course work but is unable to finish an exam or other work because of circumstances beyond the student's control. An IN grade cannot be given if it is necessary for the student to repeat the course. An incomplete grade must be made up within two semesters. There is no extension of the two semester deadline. The student must not register again for the course to make up the incomplete. Every incomplete grade must be approved by the Mathematics Department.

**Drop Date:** The last day to drop a course is March 19

**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 in the Student Handbook. Penalties for Academic Misconduct range from an F in the course to expulsion from the University.

**Tutoring Services:** The Mathematics Department and the University offers a variety of services, ranging from online videos to free tutoring, designed to help students with their courses. Please visit <http://casgroup.fiu.edu/MathStatistics/pages.php?id=1168> for more details.

**Classroom Etiquette:** To create and preserve a classroom atmosphere that optimizes teaching and learning, students are expected to conduct themselves at all times in a manner that does not disrupt teaching or learning. You are expected to come prepared to the class, be on time and remain in the classroom for the duration of the lecture. Talking, eating, sleeping, checking e-mail, using a phone, reading a newspaper, preparing for another class, packing up early is disruptive to others around you and to the instructor. Though classroom participation is always welcomed, questions and comments must be relevant to the topic at hand. If you have a question or comment, raise your hand to be recognized. Electronic devices such as cell phones, iPods, and computers must be turned off during class. Student conduct which disrupts the learning process shall not be tolerated and may lead to disciplinary action and/or removal from class.

## Daily Class Schedule

Spring 2012	Date	Topics (Homework)
Week-1	1/10, 12	Syllabus, 2. 1 (Ex. 1-5), 2.2 (Ex. 1-7)
Week – 2	1/17 1/19	2.3 (Ex. 1-3), 2.4 (Ex. 1-7), 2.5 (Ex. 1-5)
Week – 3	1/24 1/26	2.6 (Ex. 1-3), 2.7 (Ex. 1-9) 2.8 (Ex. 1-5), Quantification (supplement)
Week – 4	1/31 2/2	3.2 (Ex. 1-14), 3.3 (Ex. 1-15)
Week – 5	2/7 2/9	Review, Test 1
Week - 6	2/14 2/16	4.1 (Ex. 1-9), 4.2 (Ex. 1-7)
Week – 7	2/21 2/23	4.3 (Ex. 1-9) Bayes Theorem (supplement)
Week – 8	2/28 3/1	Statistics, 4.4 (Ex. 1-9)
Week – 9	3/6 3/8	5.1 (Ex. 1-3), 5.2 (Ex. 1-11)
Week – 10	3/13 3/15	Spring Break
Week – 11	3/20 3/22	Review, Test 2
Week -12	3/27 3/29	5.3 (Ex. 1-11), 5.4 (Ex. 1-7), 5.5 (Ex. 1-11)
Week -13	4/3 4/5	7.1 (Ex. 1-7), 7.2 (Ex. 1-3), 7.3 (Ex. 1-3)
Week -14	4/10 4/12	7.4 (Ex. 1-3), 8.1 (Ex. 1-7), 8.2 (Ex. 1-7)
Week -15	4/17 4/19	Review, Test 3
Week-16	4/26	No classes Final Exam: 4/24/2012, 5:00PM-7:00PM (the same room)

**Final Exam:** The final exam will be on Tuesday, April 24, 5:00PM-7:00PM, so students should not be making plans on traveling on or before that day. The Mathematics Department will not accommodate such students anymore.