

Draft 7/2/09

**MATH 115**  
**Finite Mathematics**  
**Fall 2009**

**Instructor** Dr. Ralph P. Tucci  
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**Web Page** [www.loyno.edu/~tucci](http://www.loyno.edu/~tucci) and course web page on Blackboard  
**Office Hours** M W F 1:30 – 2:30 and by appointment

**Description** This course is an introduction to Mathematics which is applied to various real-world problems in Business.

**Prerequisite** Placement on Math T122 or Mathematics of program

**Goals and Outcomes** This course would satisfy the following goals and outcomes.

<b>Goal</b>	Review the basics of algebra.
<b>Outcome</b>	Students will review the basic concepts such as exponents and solving linear and quadratic equations.
<b>Goal</b>	Learn Mathematics of Finance
<b>Outcome</b>	Ability to compute compound interest and amortization.
<b>Goal</b>	Learn systems of equations and matrices.
<b>Outcome</b>	Ability to use matrices to solve systems of equations.
<b>Goal</b>	Probability.
<b>Outcome</b>	Students will understand the basic concepts of probability and its applications.

Other topics such as Linear Programming and Game Theory will be covered, time permitting.

**Textbooks** *Finite Mathematics with Applications*, 9<sup>th</sup> edition, by Lial, Hungerford, and Holcomb

<b>Grading</b>	3 tests	100 points each
	Final Exam	200 points
	Projects and homework	100 points

Quizzes may also be given throughout the semester.

<b>Grading Scale</b>	A:	90 – 100		
	B:	80 – 84.99	B+:	85 – 89.99
	C:	70 – 74.99	C+:	75 – 79.99
	D:	60 – 64.99	D+:	65 – 69.99
	F:	< 60		

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**Attendance** Attendance is usually not taken; however, students are expected to come to class on time and to remain until class is dismissed. Randomly throughout the semester small quizzes may be given to test the students on recently covered material (50% of the quiz grade), and at the same time measure attendance (50% of the quiz grade). Students are responsible for ALL material covered in class, whether posted on Blackboard or not. Even when such material is posted on the web, there remains no substitute for attending class and participating in discussions.

**Exam Dates** Test #1: TBA  
Test #2: TBA  
Test #3: TBA  
Final: See the University schedule of final exams

***Requirements, Policies and other Information***

- Written homework is due in class, at the *beginning* of class (first 10 minutes).
- Late assignments will NOT be accepted unless otherwise stated by the instructor.
- Makeup examinations will not be given. Documented proof for missing an exam must be provided.
- Unless otherwise specified, all work must be that of the individual student. All cases of plagiarism or collaboration on assignments or tests will be treated as **academic dishonesty** and will be reported appropriately. All students must read and abide by the *Policy on Integrity of Scholarship* detailed below.
- Some, but NOT ALL, material covered in class will be posted on the web site for this class and/or Blackboard. However, those web sites are NOT intended to replace material presented in class, but rather to supplement it.
- In the event that the university closes for a few days due to weather conditions (e.g. hurricanes) or some other reason, Blackboard becomes the default medium of online instruction until the university reopens for normal classes.
- Students must check their email regularly! The instructor will use your Loyola e-mail to communicate with the class.
- All mobile phones must be turned off during class!

***Disability Services and Accommodations***

A student with a disability that qualifies for accommodations should contact Sarah Mead Smith, Director of Disability Services at 865-2900 (Academic Resource Center, Room 405, Monroe Hall). A student wishing to receive test accommodations (e.g. extended test time) should provide the instructor with an official Accommodation Form from Disability Services in advance of the scheduled test date.

**Tear off and return to the instructor**

I have read and understood the syllabus for Math A115.

Name \_\_\_\_\_