Syllabus

MGF1107 – Mathematics for Liberal Arts II
Ref # 350408 Summer III 2008

Professor: Robert Fusco
Text: Mathematical Ideas by Miller/Heeren/Hornsby 11th Edition
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BCC Hotline: Emergency School Closings, etc. (954) 201-4900
Class Meets: M – Th 12:00pm – 1:50pm Building 5 Room 215

Course Objective: This is a general education course which includes college-level skills not included in the courses MAT0012 Pre-Algebra, MAT0024 Elementary Algebra, and MAT1033 Intermediate Algebra. The course will include selected topics from mathematics of finance; linear and exponential functions; number systems; history of mathematics; theory of numbers; graph theory; numerical methods and algorithms; game theory; and student project(s) (strongly recommended). This course will also emphasize applications to real world situations and the integration of other disciplines, including (but not limited to) business and the physical sciences.

Grading: Final grade will be calculated as follows

<table>
<thead>
<tr>
<th>Attendance/Class Participation</th>
<th>10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quizzes</td>
<td>50%</td>
</tr>
<tr>
<td>Projects</td>
<td>40%</td>
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</tbody>
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(Quizzes will be announced)

Grading Scale

| 90 – 100 | A |
| 80 – 89   | B |
| 70 – 79   | C |
| 60 – 69   | D |
| Below 60  | F |

Attendance: It is your responsibility to come to class. However, if an emergency arises and you are forced to miss class, you will be held accountable for the material covered that day. If you are absent on the day of an in class quiz or class project, please provide documentation as to the reason for your absence. Attendance will be counted as part of your class participation grade.

Withdrawal Policy: If you intend to withdraw you must do it yourself. The last day to withdraw is July 22, 2008. If you simply stop attending class without formally withdrawing you will receive a grade of WF. Any student who misses three classes in a row without notifying the instructor will receive a grade of WF.
Calculators: Texas Instruments TI30X-IIS will be used and demonstrated in class.

Math Lab: You are not required to work in the math lab, however, tutoring assistance is provided in Building 17 Room 234. Also, there is a student solutions manual available from the BCC bookstore.

Homework: There will be a homework assignment on many sections covered in class. We will go over any questions you may have. Although it will not be graded or collected, you will increase your chance of performing well on the quizzes by completing and mastering these assignments.

Classroom Policies: Professional behavior is expected. Any student caught cheating will receive a grade of “F” for the course and be reported to the Dean. Cell phones, iPods etc. should be turned off and stored in a closed book bag or purse. Students should be on time and remain for the entire class. Students should not speak with each other while the instructor is speaking. Violation of classroom policies will affect your class participation grade and if excessive you may be withdrawn from the class. This class will involve group work.

Keys for Success: Do your homework, read the examples, ask questions in class, and get extra help outside of class. Participate in class projects and discussions. Best wishes for a successful semester.

**Topics Covered in this Course**

1. Mathematics of Finance – Consumer Mathematics
2. Modeling with Linear, Quadratic and Exponential Functions
3. Numeration and Mathematical Systems
4. Number Theory
5. The Art of Problem Solving