SYLLABUS
MGF 1107-86684 (3 credit hours)
Mathematics for Liberal Arts II

<table>
<thead>
<tr>
<th>Instructor</th>
<th>Professor Ambrioso</th>
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<tbody>
<tr>
<td>Office</td>
<td>BTEC 110</td>
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<tr>
<td>Course meeting time</td>
<td>MWFTh 11:15 am – 1105 am</td>
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<tr>
<td>Room</td>
<td>BTEC 104</td>
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<tr>
<td>Office Hours</td>
<td>TTH from 7:30 am – 8:00 am</td>
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<td></td>
<td>TTh from 2:30 pm – 3:30 pm</td>
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COURSE DESCRIPTION:
This course may be used to satisfy part of the mathematics general education requirement for the A.A. degree. Topics will be chosen from the following: financial mathematics; sequences and series; elementary number theory; history of mathematics; linear and exponential growth; voting theory; chaos and fractals; reflections and translations in geometry; graph theory; game theory; and mathematical use of calculators and computers. These topics will be helpful in developing a broader base of mathematical knowledge. Pre-requisite: MAT 1033 with a “C” or better, or required score on the HCC placement test.

TEXTBOOK: Mathematics Beyond the Numbers by Gilbert and Hatcher.

ADDITIONAL MATERIAL:
A graphing calculator or scientific calculator is required.

PRACTICE PROBLEMS
A list of homework problems for practice is provided on the Practice Problems. These are not collected. However, you need to do them in order to prepare for the tests and pop quizes. It is only by completing lots of problems that you will gain proficiency at mathematics, retain what you learn for the final exam, and figure out what you know and don’t know. When you try a problem and realize you do not understand it you can then seek help. Ask me questions! I will spend some time each class period reviewing homework and discussing questions. Limited class time may prevent me from answering all questions completely in class. If you need more help, I encourage you to ask me during my office hours. For more help, tutors will also be available in the Academic Success Center. Look below for more information on the Academic Success Center.

CAMPUS CRUISER
Hillsborough Community College now provides every student and faculty member with a portal, Campus Cruiser, which has many tools to enhance communication between faculty and students. Through the Campus Cruiser portal every student has private access to a grade book, a journal, and
an email account. Each student should verify that he, or she, can access the portal as soon as possible. If you have a problem accessing Campus Cruiser, please contact me.

ACADEMIC SUCCESS CENTER
Tutors are available in the Academic Success Center in BACA 207. Check the link for more information including hours of operation.

ASSIGNMENTS:
Assignments will be collected and graded regularly. These assignments will make up 10% of your grade. The due dates will be listed on the Assignment List at least one class period before they are due. Assignments will not be accepted late for any reason. I understand that student may not be able to complete an assignment for good reasons like an illness, transportation issues, or a family emergency. So, I will drop the lowest two assignments. This should be enough excused assignments to cover poor performances or emergencies.

As a last resort, you may email or fax assignments to me if you cannot make it to class. Email is better since these files come directly to me. If you chose to email or fax your assignment to me, it should be sent by the time class starts on the day it is due. In order to anticipate any problems you may run into as you work out an assignment, you should begin the assignments as soon as you can.

Remember that you should also attempt all the problems on the list of practice problems, even though they are not collected, in order to prepare for the tests.

There are three kinds of assignments:

1. **Problems: Take-home or In-class:** Most of the assignments will be problems from the textbook or from worksheets I have written. These problems will usually be graded like test questions. Sometimes, I will grade them for effort only. Since you will not know which way I will grade them you should always make an effort to be accurate and complete. The problems should be completed on your own paper and turned in at the beginning of class. Be sure to show your work for any problems you turn in or your grade will suffer. When the assignments are due, come to class prepared to turn them in. If you would like to discuss solutions with me or with other students plan to do this before class or after you turn your solutions in.

2. **Pop Quizzes:** Pop Quizzes, short unscheduled quizzes, may be given on any non-test day. These will cover topics that we have already discussed. Their purpose is to motivate students to work steadily on the course material throughout the term. These quizzes will be given at the beginning of class. Any student arriving after the pop quiz has been handed out will receive a zero for that quiz.

3. **Notebook:** Each student will keep a notebook. The notebooks will be collected on test days. They will be graded for the following contents: Lecture notes (2 points), completed practice problems (7 points), and graded assignments and tests (1 point).
TESTS:
The tests will make up 90% of your grade. You will usually have a test after we complete a chapter. See the schedule for test dates and any exceptions. **There will be no make-ups for the tests for any reason.** Should you miss a test the final exam grade will replace it. I will allow you, at my discretion, to re-schedule a test as long as you make the arrangements with me before the test day.

FINAL EXAM:
There will be a comprehensive final at the end of the term. The final exam will count as two tests. If your final exam grade is better than your lowest test it will also replace that test. In this case, the final will count as three tests grades. Since the final is a strong indicator of what you have learned and retained in the course it is important that you prepare thoroughly for it throughout the term. You can do this by doing all the homework and assignments, by reworking missed test problems, and by asking lots of questions. Remember that an important goal in this course is a satisfactory performance on the final exam. So, study for every test in a manner that will help you remember the material for the entire term. If you miss the final you will fail the course.

ATTENDANCE:
Attendance will be taken each class. You are expected to attend all class meetings. You are responsible for keeping up with any material we have covered and for turning in what is due each day even if you miss class.

GRADES:
Grades are computed using the following formula.

Assignments: \( AA = (\text{fraction of points earned}) \times 100 \)
Test Grades: \( TA = \text{average of all your test grades with the final counting as two tests} \)

Grade: \( GRD = (0.10 \times AA) + (0.90 \times TA) \)

**Grading Scale**
- 90 - 100+ POINTS A (Excellent)
- 80 - 89 POINTS B (Good)
- 70 - 79 POINTS C (Satisfactory)
- 60 - 69 POINTS D (Poor)
- 0 - 59 POINTS F (Very Poor)

This is a tentative grading scale. The final grade is subject to my discretion. You should keep all of your work for the entire term. Should you have a question about any graded work for the class, you must bring a copy of it to me in order to resolve the problem. Such questions need to be resolved promptly after the work is returned. Remember that all grades will be available to each student through Campus Cruiser. So, as we progress through the term, check Campus Cruiser for your current overall grade as well as your grade on each assignment and test.
Students often ask about extra credit. There will be two ways to receive extra credit. Extra credit will be available will be in the form of bonus questions on the tests. Also a student can receive extra credit by completing a project as discussed above in the assignment section.

COURSE OBJECTIVES
Follow the link to the [course objectives](#).

ACADEMIC DISHONESTY:
Academic dishonesty means cheating or plagiarism. Each student should do their own work on tests and assignments. The only technology a student can use on a test is a calculator. No cell phone calculators are allowed. If I determine that a student has been academically dishonest on any assignment or test, the student will receive a zero for that work. If the student repeats the offense on another assignment or test, the student will receive an F for the course. In order to avoid any problems or misunderstandings on tests days, I may rearrange seating on those days.

STUDENTS WITH DISABILITIES
If, in order to participate in this course, you require an accommodation due to a physical or learning impairment, you must contact the [Office of Services to Students with Disabilities](#). The office is in BSSB 109 and the phone number is 253-7914.

RELIGIOUS HOLIDAYS
HCC will reasonably accommodate the religious observances, practices, and beliefs of students in its admissions, class attendance and examination policies, and work assignments. Students must notify instructors in writing one week prior to a religious observance. (2008-2009 Catalog, p. 83)

MICROSOFT SOFTWARE PURCHASES
HCC Students can purchase Microsoft software at discounted prices. Examples of software available through this program include MS Office 2007, Windows Vista, MS Visio, and other related Microsoft products. These software products are the full academic versions and have the same benefits as software purchased off the shelf at a retail store. Students will need to access a website at [http://hccfl.onthehub.com](http://hccfl.onthehub.com) and will need to provide their HawkMail email address to be properly authenticated. This program requires that students pay for their selected software products with a credit card. The software will be mailed to your home address. Students will be allowed to purchase only one copy of a selected software product.

Ambrosio Summer 2009