MAT 1033 SYLLABUS
Summer 2008-3

COURSE: MAT 1033 – Intermediate Algebra

PREREQUISITES: MAT 0020 or MAT 0024 with grade of S, or appropriate placement score.

INSTRUCTOR: FAITH PETERS

OFFICE: Bldg. 1, Room 1536

OFFICE TELEPHONE: (305) 237-7012

OFFICE HOURS: To Be Announced

DEPT. SECRETARY TELEPHONE: (305) 237-7461

EMAIL: fpeters@mdc.edu

WEB PAGE: http://faculty.mdc.edu/fpeters


ADDITIONAL MATERIALS: You are allowed to use a scientific calculator during class and in some tests, but it will not be allowed for the final exam. However, a graphing calculator is NOT allowed. In addition, you will need to purchase the MyMathLab software (if you do not already have it!). Graph paper, a ruler, a highlighter, and lots of notebook paper, pencils and erasers are needed! 😊

COURSE DESCRIPTION: This is a second course in algebra. Topics include linear equations and inequalities; systems of linear equations and inequalities; quadratic equations; rational exponents and equations; introduction to functions; and applications of these topics.

AA DEGREE-SEEKING STUDENTS: Upon successful completion of MAT 1033 (grade of A, B, or C), you should register for MGF 1106, MGF 1107, or MAC 1105, depending on your major and the institution to which you are planning to transfer. Any two of these MAY be taken in the same term. Be sure to take your mathematics courses in consecutive terms.
TESTS and GRADING:

- There will be 4 chapter tests, a midterm exam, and a mandatory, comprehensive, final examination. In addition, there will be several online homework assignments utilizing the MyMathLab software.

- The lowest test grade (not including the midterm or final exam) will be dropped.

- Your grade will be computed in the following manner:

  Chapter Tests (3 remaining)……………………………………45%  
  Midterm Exam ……………………………………………….15%  
  Online Homework………………………………………………15%  
  Final Exam………………………………………………………25%  
  TOTAL……………………………………………………………100%

- IMPORTANT! Students are required to get a minimum of a 60% on the final exam, regardless of their average, to be eligible to get at least a C in the class. If a student gets below a 60% on the final exam, then the highest grade that student can possibly attain is a D.

- There are NO MAKE-UPS! If you miss a test for any reason, this will be considered the lowest grade, and therefore, dropped.

GRADE SCALE (in percentages):

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
</tr>
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<tbody>
<tr>
<td>90 - 100</td>
<td>A</td>
</tr>
<tr>
<td>80 – 89</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79</td>
<td>C</td>
</tr>
<tr>
<td>60 – 69</td>
<td>D</td>
</tr>
<tr>
<td>Below 60</td>
<td>F</td>
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</tbody>
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*I (Incomplete)*

*Given only if the student is unable to take the final examination because of an emergency and the student has an average of C or better up to that point.*

ATTENDANCE: Class attendance will be recorded every meeting. Students are responsible for any work missed when absent. Frequent absences will impact your grade in a very negative way. Do not miss class unless you have a true emergency.

WITHDRAWAL: The last day to drop and add classes without financial penalty is Thursday, May 14th. If you feel that you will be unable to complete the requirements for passing a class, it is important that you drop the class by Tuesday, June 30th. You should speak to your instructor prior to making the decision to drop or withdraw. Remember that it is your responsibility to drop a class, not the instructor’s. If circumstances such as illness, accident, change in employment situation, etc., prevent you
from continuing to attend your class BEFORE the drop date, speak to your instructor and
see the Dean of Students (room 1201) for your options regarding an appeal. If such a
situation occurs AFTER the drop date, you should contact the instructor for information
as to how you can complete the requirements for passing the course.

REGISTRATION: It is your responsibility to make sure that you are registered for this
course. Be sure to obtain a copy of your schedule to verify the reference number and that
you do not have any outstanding fees.

ADDITIONAL HELP: The Math Lab, located in Bldg. 2, Room 2223, offers free
tutoring by student assistants and full-time instructors. In addition, you will find course-
related videotapes and computer software. A solutions manual containing worked-out
solutions to the book’s odd-numbered exercises is available in the bookstore.

- The hours for the Math Lab are:
  MTWR  8:00am – 8:00pm
  Fri. 8:00am – 2:00pm
  Sat. 10:00am – 2:00pm
No appointment is necessary to use the lab! The phone number for the lab is
(305)237-3834.

- The Math Lab is offering one-to-one tutoring! If you are interested,
  please see one of the support staff in the Math Lab to make an appointment.

- If you do not already have the MyMathLab software, you can purchase it from
either the college bookstore or from the CourseCompass website. Go to
  www.coursecompass.com. The course ID is peters77042. This is an online
  resource offered by the publishing company that will allow you to link many
  features such as practice chapter tests, audio clips, video clips, student solution
  manual for your book, etc. You will also be able to contact tutors by phone, fax,
  email, or chat sessions. For instructions on how to use the online software, go to

CLASSROOM ETIQUETTE: Students should NOT have cell-phones or beepers
turned on in class. Lack of attention to this matter may be cause for disciplinary action.
You are expected to arrive on time to class, depart when the class has concluded, and
treat others respectfully.

ADDITIONAL COMMENTS: The key to success is to come to class on time, take
good notes, do your homework and ask questions. If you can do these 4 things during the
course of the term, you should by successful in this class. PLEASE, FEEL FREE TO
ASK QUESTIONS BEFORE, DURING, AND AFTER CLASS!! ☺
Miami-Dade Learning Outcomes

As graduates of Miami Dade College, students will be able to:

1. Communicate effectively using listening, speaking, reading, and writing skills.
2. Use quantitative analytical skills to evaluate and process numerical data.
3. Solve problems using critical and creative thinking and scientific reasoning.
4. Formulate strategies to locate, evaluate, and apply information.
5. Demonstrate knowledge of diverse cultures, including global and historical perspectives.
6. Create strategies that can be used to fulfill personal, civic, and social responsibilities.
7. Demonstrate knowledge of ethical thinking and its application to issues in society.
8. Use computer and emerging technologies effectively.
9. Demonstrate an appreciation for aesthetics and creative activities.
10. Describe how natural systems function and recognize the impact of humans on the environment.

Each course taken at the college addresses some of these Learning Outcomes. Intermediate Algebra (MAT 1033) addresses outcomes 1, 2, 3, 4, and 8.

- **Communicate effectively using listening, speaking, reading, and writing skills.**
  This course requires reading and understanding the material covered in the textbook. Students will need to pay attention in class and may periodically be asked to explain a concept discussed in class.

- **Use quantitative analytical skills to evaluate and process numerical data.**
  The student will have the opportunity to develop these skills in solving applications of linear equations in two variables. They will also develop the ability to read and interpret graphs that represent linear patterns of data.

- **Solve problems using critical and creative thinking and scientific reasoning.**
  Some of the applications of systems of linear equations in two variables and of rational expressions will require the use of critical and creative thinking. Students will have to use the information given in a problem to set up systems of linear equations in one or two variables. They may at times need to use a chart to organize the information given in the problem. The problem solving approach they will use in this course constitutes an important contribution to the development of their scientific reasoning ability.

- **Formulate strategies to locate, evaluate, and apply information.**
  The areas that will provide students with this opportunity are applications of linear equations and systems of linear equations in two variables as well as variation problems.

- **Use computer and emerging technologies effectively.**
  Most homework assignments and quizzes will be posted on line on the Course Compass/My Math Lab website. Students will develop the ability to use these computer resources to monitor their progress and to help them reach a better understanding of the concepts, ideas and applications discussed in the course. They will also have the opportunity to use the external links posted on the website to explore topics related to the course goals and objectives.