



- E. Manipulate and graph equations of conic sections.
- F. Optional Topics(if time permits)
  - \* Generalize arithmetic and geometric sequences and find the kth term of a binomial expansion.

#### **APPROPRIATE READINGS:**

- A. Sample Text Title:
  - I. McKeague *Elementary & Intermediate Algebra*, ed. 3<sup>rd</sup> Thomson; Brooks/Cole, 2008
- B. Other Readings
  - \_ Global or international materials or concepts are appropriately included in this course.
  - \_ Multicultural material and concepts are appropriately included in this course.

#### **REQUIRED MATERIALS:**

Two spiral grid-paper, notebooks, 3-Ring Binder, pencils, eraser, ruler, Graphing Calculator TI-84 (No TI-89 or cell phones with similar features)

#### **HOMEWORK/PROJECTS(Option1: MyMathLab, Option 2: By hand)**

- I. Homework is assigned on a regular basis. All homework must be submitted on the due date at the beginning of the class.  
(You are allowed to work on homework problems together, but make sure the work you submit is that of your own!)
- II. If done by hand, every assignment must be shown legibly.
- III. Late homework can only receive 75% of the total points possible with excuse.
- IV. If you are absent, check the assignment with your classmate or **check current homework information on Blackboard** or **check MyMathLab** or send an email to me.

#### **ATTENDANCE:**

Students are expected to attend all class meetings, be on time, and be in class the ***entire*** class session. Attendance will be checked at the beginning of each class. Please sign up on Attendance sheet every session. 2 absences in a roll without excuses need to be reported before class by email also prepared to take a quiz for the materials that was covered in class. Excessive absences may result in the instructor dropping you from the course. I consider **four absences excessive**.  
**If you decide to drop the course, you must make the drop official at the Administrations and Records office.**

#### **ACADEMIC HONESTY:**

##### **Cheating and Plagiarism are not acceptable.**

- Please make sure any work produced is of your own.
- Two identical tests will be considered as both students' cheating
- If you are having trouble in the course, come talk to me FOR HELP.

#### **CLASSROOM ETIQUETTE:**

- Students should cooperate to make the best learning environment for the class.
- If arriving late or leaving early, please do so in a manner that avoids disrupting the class.
- All electronic devices are to remain off during lecture. In particular, **cell phones are to remain on silent and put away with vibrate feature turned off during class. There will be no texting or answering of phone calls during class.**
- If you miss class, it is your responsibility to find out what you've missed.
- All electronic devices are to remain off during lectures. In particular, cell phones are to remain on silent and put away with vibrate feature turned off during class. There will be no texting or answering of phone calls during class.
- As you find yourself working with classmates, be respectful of individual differences.
- Refrain from using vulgar language including, but not limited to racial, gender slurs.
- Personal needs (i.e., using the restrooms) must be taken care of before class begins.

**EXAMS/QUIZZES :**

- 6 of 1hr Chapter Exams (A worst score out of the 7 exams will be dropped)

- 6 Quizzes

**FINAL EXAM: Tues., Dec 9, 2014; 2:00~3:50 pm**

**GRADING:**

**A** 90 - 100; **B** 80 - 89; **C** 70 - 79; **D** 60 - 69; **F** 0 - 59

***Class participation : 5%***

***Attendance : 5 %***

***Homework : 10 %***

***6 Quizzes : 20 %***

***6 Tests : 40% In-class***

***Final Exam: 20%***

**SPECIAL NEEDS REQUESTS:**

If you have a verified need for an academic accommodation or materials in alternate media ((i.e. Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the Rehabilitation Act, please contact me as soon as possible.

**Math 201 Elementary Algebra: Course Outline and Contents:**

| Topic  | Objectives   |
|--|--|
| A. Equations and Inequalities in Two Variables | 1. Slope of a line<br>2. The equation of a line<br>3. Linear inequalities in two variables<br>4. Operations on functions |

|  |  |
|--|--|
| B. Rational Exponents and Roots          | <ol style="list-style-type: none"> <li>1. Rational exponents</li> <li>2. Simplified form of r radicals</li> <li>3. Arithmetic operations on radical expressions</li> <li>4. Equations with radicals</li> <li>5. Complex numbers</li> </ol> |
| C. Quadratic Functions                   | <ol style="list-style-type: none"> <li>1. Quadratic equations</li> <li>2. Graphing parabolas</li> <li>*3. Quadratic inequalities</li> </ol>  |
| D. Exponential and Logarithmic Functions | <ol style="list-style-type: none"> <li>1. Exponential Functions</li> <li>2. The Inverse of a function</li> <li>3. Logarithms and their properties</li> <li>4. Exponential and logarithmic equations and change of base.</li> </ol>         |
| E. Conic Sections                        | <ol style="list-style-type: none"> <li>1. Circle</li> <li>2. Ellipses and Hyperbolas</li> </ol>  |
| *F. Sequences and Series                 | <ol style="list-style-type: none"> <li>*1. Arithmetic and geometric sequences</li> <li>*2. Series</li> <li>*3. Binomial Expansion</li> </ol>   |

\* Optional Topics(if time permits)

#### **ACADEMIC CALENDAR FALL 2014:**

##### **Important Dates:**

|                  |   |
|------------------|---|
| Aug 11 (M)       | Start of Fall 2014 semester   |
| Aug 22 (F)       | Last day to request an Enrollment Fee Refund                                      |
| Aug 29 (F)       | Last Day to register for a full-term class for FALL 2014                          |
| Aug 29 (F)       | Last day to drop to avoid a "W" (in Person)                                       |
| Aug 31 (S)       | Last day to drop to avoid a "W" (on WebAdvisor)                                   |
| Sep 1 (M)        | Labor Day Holiday (No classes held, campus closed)                                |
| Sep 12 (F)       | Last day to change a class to/from a Pass/No-Pass grading basis                   |
| Oct 10 (F)       | Last day to drop a full term class (in person) (letter grade assigned after this) |
| Nov 11 (T)       | Veterans Day observed (No classes held, campus closed)                            |
| Nov 27-28 (Th-F) | Thanksgiving Holiday (No classes held, campus closed)                             |
| Dec 8-12 (M-F)   | Final Exam Week   |

|            |                           |
|------------|---------------------------|
| Dec 12 (F) | End of Fall 2014 semester |
|------------|---------------------------|