MATH-1314
College Algebra
Department of Mathematics and Statistics
SUMMER I 2015

A. COURSE INFORMATION

Course number/section: MATH-1314-002
Class meeting time: MTWR 12:00 –1:53 PM
Class location: CS-114
Course Website: www.bb9.tamucc.edu

B. INSTRUCTOR INFORMATION

Instructor: NENE COULIBALY
Office location: EN-314D
Office hours: By appointment only, email me in advance
Telephone: 361-825-2219
E-mail: Nene.Coulibaly@tamucc.edu

C. COURSE DESCRIPTION

The course continues the development of algebra from MATH 0399, Intermediate Algebra. A review of properties of numbers and linear equations and inequalities is included. Topics include quadratic equations, inequalities, graphs, logarithms and exponential functions, polynomial equations, system of equations, and matrices.

D. PREREQUISITES AND COREQUISITES

Intermediate Algebra (Math 0399) or placement into College Algebra.

E. REQUIRED TEXTBOOK(S), READINGS AND SUPPLIES

- MyLabsPlus access kit is required for homework and quizzes. You will need to purchase an unused access code for online MyLabsPlus, College Algebra by Lial, Hornsby, and Schneider textbook 11th edition, and a Texas Instruments TI-83 plus (or better) graphing calculator. Historically, the publisher has been less expensive, I recommend checking both sources before buying. I will discuss how you access and use MyLabsPlus during the first class meeting.
- The MyLabsPlus access code can be purchased with the textbook in a bundle at the TAMU-CC bookstore. You can access MyLabsPlus at tamucc.mylabsplus.com.

F. STUDENT LEARNING OUTCOMES AND ASSESSMENT

By the end of this course, students should be able to:
1. Solve linear equations (with specific unknown variables) and inequalities, recognize and create graphs of linear functions and interpret solve linear models.

2. Solve quadratic equations (includes circles and variations) and inequalities, recognize and create graphs of quadratic functions and interpret and solve quadratic models.

3. Solve polynomial equations and inequalities, recognize and create graphs of polynomial functions and interpret and solve polynomial models.

4. Use exponential expressions and functions to model real world situation and to solve abstract exponential equations.

5. Use logarithmic expressions and functions to model real world situations and to solve abstract logarithmic equations.

6. Model with systems of equations with two variables and solve them using the method of substitution, graphing or elimination with backward substitution.

7. Apply a general understanding of the use of inverse functions (their domains and ranges) and procedures to solve real-world and abstract equations and models.

G. INSTRUCTIONAL METHODS AND ACTIVITIES

- Instruction for this course includes lectures and discussions of mathematical concepts, demonstration or problem solving techniques using example problems, class discussion, and application of concepts involving class, group, and/or individual activities.

- Use of MyLabsPlus which includes electronic copy of the book, videos, examples, and study hints.

H. MAJOR COURSE REQUIREMENTS AND GRADING

Final course standing will be based upon several Homework & Quizzes, three semester Exams, three Mini Projects and a Final Exam.

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>% of FINAL GRADE</th>
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<tbody>
<tr>
<td>Semester Exams</td>
<td>45</td>
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<tr>
<td>Quizzes</td>
<td>10</td>
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<tr>
<td>Homework</td>
<td>20</td>
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<tr>
<td>Final Exam</td>
<td>25</td>
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Final grades will be assigned as follows:

<table>
<thead>
<tr>
<th>Weighted average in %</th>
<th>LETTER GRADE</th>
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<tbody>
<tr>
<td>90 - 100</td>
<td>A</td>
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<td>80 – 89.99</td>
<td>B</td>
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### I. COURSE CONTENT/SCHEDULE

**TENTATIVE SCHEDULE FOR MATH-1314**

<table>
<thead>
<tr>
<th>Week</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
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<tbody>
<tr>
<td>Week 1: June 1-7</td>
<td>Discussion of Class Syllabus</td>
<td><strong>CHAPTER 1</strong></td>
<td><strong>CHAPTER 1</strong></td>
<td><strong>CHAPTER 1</strong></td>
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<td></td>
<td><strong>CHAPTER R</strong></td>
<td>1.2, 1.4</td>
<td>1.5, 1.6</td>
<td>1.7, 1.8</td>
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<tr>
<td></td>
<td><strong>CHAPTER 1</strong></td>
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<td>1.1</td>
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<tr>
<td>Week 2: June 8-14</td>
<td><strong>CHAPTER 2</strong></td>
<td><strong>EXAM #1</strong></td>
<td><strong>CHAPTER 2</strong></td>
<td><strong>CHAPTER 2</strong></td>
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<tr>
<td></td>
<td>2.1, 2.2</td>
<td>(Chapter 1)</td>
<td>2.5, 2.6</td>
<td>2.7, 2.8</td>
</tr>
<tr>
<td></td>
<td><strong>CHAPTER 2</strong></td>
<td>2.3, 2.4</td>
<td></td>
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<tr>
<td>Week 3: June 15-21</td>
<td><strong>CHAPTER 3</strong></td>
<td><strong>EXAM #2</strong></td>
<td><strong>CHAPTER 3</strong></td>
<td><strong>CHAPTER 3</strong></td>
</tr>
<tr>
<td></td>
<td>3.1</td>
<td>(Chapter 2)</td>
<td>3.4, 3.5</td>
<td>3.5</td>
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<tr>
<td>Week 4: June 22-28</td>
<td><strong>CHAPTER 4</strong></td>
<td><strong>CHAPTER 4</strong></td>
<td><strong>CHAPTER 4</strong></td>
<td><strong>EXAM #3</strong></td>
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<td></td>
<td>4.1, 4.2</td>
<td>4.3, 4.4, 4.5</td>
<td>4.5, 4.6</td>
<td>(Chapter 3 - 4)</td>
</tr>
<tr>
<td>Week 5: June-July 29-3</td>
<td><strong>CHAPTER 5</strong></td>
<td><strong>CHAPTER 5</strong></td>
<td>Final Test Review from chapter 1-5.</td>
<td><strong>Final Exam</strong></td>
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<td>5.1, 5.2</td>
<td>5.3, 5.7, 5.8</td>
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Note: Changes in this course schedule may be necessary and will be announced to the class by the Instructor. The assignments and exams shown are directly related to the Student Learning Outcomes described in Section F.

J. COURSE POLICIES

Attendance/Tardiness
Attendance will be taken each class. Talking during class time and tardiness are often disruptive to the whole class and are not appreciated. If you are delayed and arrive late please do so quietly. Excessive tardiness, disruptive talking, disruptive behavior or performing activities not related to the class will be counted as absences. The instructor is NOT responsible for informing absent students what was covered in previous classes, homework or any other announcements.

Extra Credit
If an extra credit work is assigned, or extra points are given, the total score should not exceed 100%. No points will be “saved” toward the next examination.

Cell Phone Use
Cell phone using is prohibited in any circumstances.

Laptop Use
Students are welcome to use their laptops in class only if it is intended for learning purposes like log in to the class blackboard page, or mylabsplus website.

Missed Exam
Makeup test will be given once per student with appropriate documentation provided.

Participation
Students are encouraged to participate in class discussions and problem solving skills.

Others
- Students are expected to read the PowerPoints materials in Blackboard, view videos and other multimedia available in MyLabsPlus, and work assignments before the due dates.
- Homework is assigned online regularly through MyLabsPlus that can be accessed at tamucc.mylabsplus.com (you need to buy an access code) and due as specified. Late homework will result a 20% deduction for every questions not done on time. If you have problems to access the system you have to let me know as soon as possible.
- There is an online quiz immediately after each chapter is finished, be sure to check the due dates.
- Three exams will be administered during class times. The dates will be announced in class and posted on Blackboard. These dates may be changed with due notice announced during class time. Bring your own calculators and it cannot be shared. Cell phones cannot be used as calculators.
The final exam will be a comprehensive examination over all materials covered during the semester. 

*Absolutely no early final examination, so make travel arrangements accordingly.* Without taking final exam, it will be an “F” for the semester grade regardless.

### K. COLLEGE AND UNIVERSITY POLICIES

- **Academic Integrity (University)**
  It is expected that university students will demonstrate a high level of maturity, self-direction, and ability to manage their own affairs. Students are viewed as individuals who possess the qualities of worth, dignity, and the capacity for self-direction in personal behavior.
  See Full University Policy at: [http://catalog.tamucc.edu/content.php?catoid=10&navoid=313#Academic_Integrity](http://catalog.tamucc.edu/content.php?catoid=10&navoid=313#Academic_Integrity)

- **Classroom/Professional Behavior**
  Texas A&M University-Corpus Christi has a diverse student population that represents the population of the state. Our goal is to provide you with a high quality educational experience that is free from repression. You are responsible for following the rules of the University, city, state and federal government. We expect that you will behave in a manner that is dignified, respectful and courteous to all people, regardless of sex, ethnic/racial origin, religious background, sexual orientation or disability. Behaviors that infringe on the rights of another individual will not be tolerated.

- **Deadline for Dropping a Course with a Grade of W (University)**
  The grade of W will be assigned to any student officially dropping a course by **Friday June 19th**. No student is eligible to receive a W without completing the official drop process by this deadline. Visit the Office of the University Registrar for the Course Drop Form that must be submitted. After **June 19th, 2015** a student will not be allowed to drop a course.

- **Grade Appeals (College of Science and Engineering)**
  As stated in University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures, a student who believes that he or she has not been held to appropriate academic standards as outlined in the class syllabus, equitable evaluation procedures, or appropriate grading, may appeal the final grade given in the course. The burden of proof is upon the student to demonstrate the appropriateness of the appeal. A student with a complaint about a grade is encouraged to first discuss the matter with the instructor. For complete details, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, see University Procedure 13.02.99.C2.01, Student Grade Appeal Procedures. These documents are accessible through the University Rules website at [http://www.tamucc.edu/provost/university_rules/index.html](http://www.tamucc.edu/provost/university_rules/index.html), and the College of Science and
Engineering Grade Appeals webpage at http://sci.tamucc.edu/students/GradeAppeal.html. For assistance and/or guidance in the grade appeal process, students may contact the chair or director of the appropriate department or school, the Office of the College of Science and Engineering Dean, or the Office of the Provost.

- **Disability Services**

  Disability Services (DS) is the hub for coordinating services and accommodations to ensure accessibility and utilization of all programs for all Texas A&M University-Corpus Christi students with disabilities. Our services are designed to meet the unique educational needs of enrolled students with documented permanent or temporary disabilities. DS provides intake and consultation services to students seeking to register with our office. DS reviews an individual’s documentation of disability and assesses eligibility for services and the determination of reasonable accommodations. For more information visit the Disability Services Office at 116 Corpus Christi Hall or go to http://disabilityservices.tamucc.edu/

I. **OTHER INFORMATION**

   Help: CASA has many quality tutors to help you while you need someone beside my office hours. Welcome to visit those tutors at the second floor of library. Please find out their schedule first before you make a plan to go for this semester. I will be happy to work with you anytime during my office hours and also email me for your special needs. Good luck to everyone in the class.

M. **GENERAL DISCLAIMER**

   I reserve the right to modify the information, schedule, assignments, deadlines, and course policies in this syllabus if and when necessary. I will announce such changes in a timely manner during regularly scheduled lecture periods.