I. **Course Information**

- Meeting Time & Place: **MTWR 12:00 – 1:55 PM CS-114**
- Instructor: **Nene Coulibaly**
- Office Phone: **361-825-2219**
- Office Address: CI 304
- E-MAIL Address: **Nene.Coulibaly@tamucc.edu**
- Office Hours: by appointment

II. **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.

**PREREQUISITES:** Intermediate Algebra (Math 0399) or placement into College Algebra.

III. **Text and other supplies required**

**Required:** Unused access code for online **MyLabsPlus**, College Algebra by Lial, Hornsby, and Schneider textbook 10th edition, and a Texas Instruments TI-83 plus (or better) graphing calculator. 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.

IV. **Learning Objectives**

After completion the course, students should be able to:

- Solve linear equations (with specific unknown variables) and inequalities, recognize and create graphs of linear functions and interpret solve linear models.
- Solve quadratic equations (includes circles and variations) and inequalities, recognize and create graphs of quadratic functions and interpret and solve quadratic models.
- Solve polynomial equations and inequalities, recognize and create graphs of polynomial functions and interpret and solve polynomial models.
• Use exponential expressions and functions to model real world situation and to solve abstract exponential equations.

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

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

• 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.

V. 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.

VI. Class Policies

• 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. If you have problems to access the system you have to let me know as soon as possible. It is also advisable to work extra problems out of the textbook’s exercise section for more practice, and it is the discretion of the professor to assign extra homework at any time. Three homework assignments will be dropped at the end of the semester.

• Quizzes will be individual assessments focusing on material most recently covered. Quizzes will be administered without previous announcement and may be administered in class, take-home or online. The quizzes will be similar to those found on MyLabsPlus and in the exercise section of the textbook. Calculators will be allowed unless otherwise instructed.

• Three tests will be administered in class. The dates will be announced in class with due notice to students. 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.

• There will be no makeup for a missed test. If a test is missed, its score will be replaced by the score on the final exam. The opposite is not true. A missed final exam will result on a score of 0 points.

• Final exam will be administered on Thursday, July 5th from 12:00 to 1:55 pm. It is a comprehensive examination over all material covered during the class. You will be allowed to bring in one page of notes hand written on both sides. ABSOLUTELY NO EARLY FINAL EXAMINATION, so make travel arrangements accordingly.
• Attendance will be taken each class. You will find it very hard to survive in this class if you do not attend class regularly. I expect each student to take notes during the lectures, to keep a record of his/her assignments, tests and grades. Talking during class time and tardiness are often disruptive to the whole class and are not appreciated. If you are delayed and arrived late please do so quietly. Excessive tardiness, disruptive talking, disruptive behavior or performing activities not related to the class will be counted as absences and may cancel bonus points for attendance. 95% attendance or more will result in 2% as bonus points added to your total score at the end of the semester that usually is helpful to determine borderline grades. The instructor is NOT responsible for informing absent students what was covered in previous classes, homework or any other announcements.

• Cell phones and such must be turned off before class especially before exams.

• A grade of incomplete will only be given in exceptional circumstances, such as a death in the family or personal injury that might prevent someone from taking the final exam. (Please notice that an incomplete grade can only be given to students that are passing the course but have not completed the required work for reasons beyond the students’ control). In this case, it is the responsibility of the student to notify me as soon as possible, preferably by email, and to fill the required "Incomplete Form" available from the University Registrar. If this is not done, a score of 0% will be assigned for any incomplete exams and a final grade will be computed using the criteria described above.

• Please check carefully the date and time of the tests as I cannot change them for any other reasons not considered truly exceptional, that is; beyond the students’ control.

• University students are expected to conduct themselves in accordance with the highest standards of academic honesty. Academic misconduct for which a student is subject to penalty includes all forms of cheating, such as illicit possession of examinations or examination materials, falsification, forgery, complicity or plagiarism. (Plagiarism is the presentation of the work of another as one’s own work.) In this class, academic misconduct or complicity in an act of academic misconduct on an assignment or test will result in a grade of 0% on that assignment or test.

• Although obviously I hope all goes smoothly for you this semester, events can sometimes occur that make dropping a course necessary or wise. I encourage you to consult with me before you decide to drop to be sure it is the best thing to do. Should dropping the course be the best course of action, you must initiate the process to drop the course by going to the Student Services Center and filling out a course drop form. Just stopping attendance and participation WILL NOT automatically result in your being dropped from the class. **Friday June 20th is the last day to drop a class with an automatic grade of “W” this term. I cannot personally assign a grade of W.**
• The instructor reserves the right to make changes to the above with due notice to the students. These changes will be announced in class and each student is responsible for keeping herself/himself informed of such changes.

• Computer activities that are not related to class are not allowed during the class.

VII. Evaluation and Grade Assignment
• Final course standing will be based upon team homework, two team projects, two semester tests, and a final test.

In summary each weighted as follows:

<table>
<thead>
<tr>
<th>Component</th>
<th>Weightage</th>
<th>Grade Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 Exams</td>
<td>45%</td>
<td>90% - 100% = A</td>
</tr>
<tr>
<td>Quizzes</td>
<td>15%</td>
<td>80% - 89% = B</td>
</tr>
<tr>
<td>Homework</td>
<td>20%</td>
<td>70% - 79% = C</td>
</tr>
<tr>
<td>Final Exam</td>
<td>20%</td>
<td>60% - 69% = D</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Below 60% = F</td>
</tr>
</tbody>
</table>

Final grades will be assigned as follows

VIII. Preferred methods of scholarly citations

Classroom/professional behavior
Texas A&M University-Corpus Christi, as an academic community, requires that each individual respect the needs of others to study and learn in a peaceful atmosphere. Under Article III of the Student Code of Conduct, classroom behavior that interferes with either (a) the instructor’s ability to conduct the class or (b) the ability of other students to profit from the instructional program may be considered a breach of the peace and is subject to disciplinary sanction outlined in article VII of the Student Code of Conduct. Students engaging in unacceptable behavior may be instructed to leave the classroom. This prohibition applies to all instructional forums, including classrooms, electronic classrooms, labs, discussion groups, field trips, etc.

Grade Appeals
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 on 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 on the process, including the responsibilities of the parties involved in the process and the number of days allowed for completing the steps in the process, consult Texas A&M University-Corpus Christi University Procedure 13.02.99.C2.01 Student Grade Appeal Procedures (http://www.tamucc.edu/provost/university_rules/index.html), and the College of Science and Engineering Grade Appeals webpage (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 or the College of Science and Engineering Dean’s Office.

**Disabilities Accommodations**

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please call or visit Disability Services at (361) 825-5816 in Driftwood 101. If you are a returning veteran and are experiencing cognitive and/or physical access issues in the classroom or on campus, please contact the Disability Services office for assistance at (361) 825-5816.

**Study Hints**

If you are having trouble with the material and are unable to see me during my office hours, you may get tutoring at the CASA located at the Glasscock Center Room 112. They have computers, skilled tutors and good places to work on assignments and answer questions. Whatever you choose to do, it is important not to fall behind in the material.