I. COURSE INFORMATION

Instructor: Dr. Ping “Charlene” Tintera  
Office Phone: 825-3483  
Office Address: CI-368  
Office Hours: MTWR: 1~ 2 pm (1 hour by appointment)  
E-Mail address: ptintera@tamucc.edu  

Class meetings: Math 1314.001  
Final Exam: 8/7 (R)  

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 are quadratic equations and inequalities, graphs, logarithms, and exponential, solutions of polynomial equations, systems of equations, and matrices.

III. PREREQUISITES FOR THE COURSE

Math 0399, Intermediate Algebra, or placement into College Algebra.

IV. TEXT AND OTHER SUPPLIES REQUIRED

College Algebra by Lial. Hornsby, Schneider, 11th Ed. A TI-83/ TI-84 plus is required for the course. Other models may be used but will not be supported by the instructor. A student Solutions manual is available for sale in the bookstore.

V. COURSE OBJECTIVES and GOALS:

The student learning outcomes are:

1) Solve linear equations (with specific unknown variables) and inequalities, recognize and create graphs of linear functions and interpret and 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 situations 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.
VI. INSTRUCTIONAL METHODS AND ACTIVITIES
Methods and activities for instruction include lecture by the instructor and participation by the students by doing problems in class.

VII. EVALUATION AND GRADE ASSIGNMENT
The methods of evaluation and the criteria for grade assignments are:

<table>
<thead>
<tr>
<th>Attendance/Homework</th>
<th>MANDATORY</th>
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<tbody>
<tr>
<td>Tests</td>
<td>75% (top 3 scores out of 4 tests, you may drop the lowest test score)</td>
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<tr>
<td>Final</td>
<td>25% (Comprehensive, calculator is allowed)</td>
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Grading Scale:

- A = 90 – 100
- B = 80 – 89.99
- C = 70 – 79.99
- D = 60 – 69.99
- F = 59.9 or below.

VIII. TENTATIVE COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Week</th>
<th>Chapter/Section</th>
<th>SSII 2014</th>
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<tbody>
<tr>
<td>1</td>
<td>1.1 and 1.2</td>
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<tr>
<td>2</td>
<td>1.3, 1.4, and 1.5</td>
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<tr>
<td>3</td>
<td>1.6, Test 1</td>
<td></td>
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<tr>
<td>4</td>
<td>1.7 and 1.8</td>
<td></td>
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<tr>
<td>5</td>
<td>2.1, 2.2, and 2.3</td>
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</tr>
<tr>
<td>6</td>
<td>2.4, 2.5, Test 2</td>
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<tr>
<td>7</td>
<td>3.1, 3.2</td>
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<tr>
<td>8</td>
<td>3.3, 3.4</td>
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<tr>
<td>9</td>
<td>3.5, 3.6</td>
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<tr>
<td>10</td>
<td>4.1, 4.2 and 4.3</td>
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</tr>
<tr>
<td>11</td>
<td>4.4, and Test 3</td>
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<tr>
<td>12</td>
<td>5.1, 5.2, and 5.3</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>6.1, 6.2, and 6.3</td>
<td></td>
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<tr>
<td>14</td>
<td>Test 4 and review for final</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Final exam (DEPARTMENTAL FINAL EXAM)</td>
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IV. Class policies:

- Attendance is mandatory. Attendance will be checked each class period and each absence after 3 times (4th, 5th, and 6th) will result in one letter grade lower. Please save absences for emergencies.
- Homework will be given each class period and discussed at the beginning of next class period.
- **Cell phone using and texting are prohibited in any circumstances and you will be asked to leave the classroom. If you were using cell during the test, I will treat it as cheating.**
- “Cheating” is strongly prohibited. If I caught someone cheating during any test, students may drop the class without my permission. If not, normally it is an “F” for the semester grade.
- You are the only person responsible to drop the class and responsible to stay inform for any changes for tests and room changes. All the changes will be announced in the class.
- You may email me for help any time but not the night before the scheduled test neither the possible chance to postpone the test.
- I respect your request by email and I will answer it in my best convenient time.
- **Makeup test will be given once per student with appropriate documentation provided. Please save the opportunity for the emergencies.**
- There is no makeup final exam. It will be an “F” for the semester grade regardless if you do not take final on the final date. You must take the final exam on the official scheduled date (not a day early neither late). Otherwise, it will be counted as “zero” on the final regardless.
- This syllabus is a contract between students and the instructor. If you have no any question regarding to this class, this syllabus will be activated from now and through this semester.
**New State Law regarding course drops**
The State of Texas has enacted a statute that applies to students who enroll in public institutions of higher education as first-time freshmen in Fall 2007 or later. Under section 51.907 of the Texas Education Code, “an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education.” Any course a student drops after the census date published in the class schedule or academic calendar (which for Fall 2007 is Sept 7th) is counted toward the six-course limit unless specifically identified as being exempt. If you have any questions please send an email with phone number to admis@tamucc.edu and a representative of the Office of Admissions & Records will contact you.

**IX. CLASS POLICIES**

- **This class is run for the mathematical development of all participants.** All students must accept responsibility for participating and consequences of not participating. All are encouraged to express personal views with an emphasis on evidence-based claims. An inviting, lively and informative discussion will ensue from a spirit of mutual respect and acknowledgement.
- **Please silence phones and beepers before coming to class.** If you need to take a call, please step out so as to not distract your colleagues from the business at hand.
- **Attendance is expected.** It is the only way to do in-class work.
- **All absences from class or exams will be considered unexcused unless they are documented in advance as excusable with the instructor or as soon as possible in the case of emergencies.** No credit will be awarded for work missed resulting from unexcused absences.
- **Academic Integrity/Plagiarism:** 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 zero (0) on that assignment or an F in the class, depending on circumstances.
- **Dropping a Class:** I hope that you never find it necessary to drop this or any other class. However, events can sometimes occur that make dropping a course necessary or wise. Please 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. ( ) is the last day to drop a class with an automatic grade of “W” this term.
- **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. Also, 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.
- **Grade Appeals (College of Science and Engineering Version):** 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 ([http://sci.tamucc.edu/students/GradeAppeal.html](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.

- **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 Corpus Christi Hall 116.

- **Notice to Veterans:** 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.

- **Statement of Academic Continuity:** In the event of an unforeseen adverse event, such as a major hurricane and classes could not be held on the campus of Texas A&M University–Corpus Christi; this course would continue through the use of Blackboard and/or email. In addition, the syllabus and class activities may be modified to allow continuation of the course. Ideally, University facilities (i.e., emails, web sites, and Blackboard) will be operational within two days of the closing of the physical campus. However, students need to make certain that the course instructor has a primary and a secondary means of contacting each student.

- **Changes.** The instructor may amend the syllabus at any time prior to the final exam by announcing the changes in class.