COURSE INFORMATION

1. Meeting Time & Place: M T W R F 12:00-3:45 PM. CI-108
2. Professor: Dr. Alexey L Sadovski
3. Office Phone: (361) 825-2477
4. Office Address: CI-338
5. E-MAIL Address: Alexey.Sadovski@tamucc.edu
6. Office Hours: M T W R10:30 AM-12 noon,
   Appointments also available. Office hours subject to meetings related to other duties
   on campus. They may change during the semester.

I. 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.

II. PREREQUISITES FOR THE COURSE
Math 0399, Intermediate Algebra, or placement into College Algebra.

III. 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.

IV. 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.
V. INSTRUCTIONAL METHODS AND ACTIVITIES
Methods and activities for instruction include lecture by the instructor, discussions in groups, and participation by the students by solving problems in class.

VII. EVALUATION AND GRADE ASSIGNMENT

<table>
<thead>
<tr>
<th>Type of assignment</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class participation/in-class work</td>
<td>20%</td>
</tr>
<tr>
<td>Home assignments</td>
<td>0%</td>
</tr>
<tr>
<td>Quizzes (5 over the semester)</td>
<td>40%</td>
</tr>
<tr>
<td>Midterm exam</td>
<td>20%</td>
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<tr>
<td>Final</td>
<td>20%</td>
</tr>
</tbody>
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Letter grades will be assigned according to the table:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Range</th>
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<tbody>
<tr>
<td>A</td>
<td>90 to 100</td>
</tr>
<tr>
<td>B</td>
<td>80 to 89</td>
</tr>
<tr>
<td>C</td>
<td>70 to 79</td>
</tr>
<tr>
<td>D</td>
<td>60 to 69</td>
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<tr>
<td>F</td>
<td>below 60</td>
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Class participation/in-class work: As noted above, class meetings will consist of small-group work and whole-class discussion. You will self-assess your participation three times over the course of the semester using a rubric I will hand out. I reserve the right to alter your self-assessment if I feel it is much too high or too low.

Quizzes: No open books and notes. Quizzes are on understanding of the basic material of the course.

Midterm and Final: I will discuss these in more detail as the times for them approach. The midterm will be given outside of class time so as to allow a longer period of time for you to take it. To compensate you for the time spent on the midterm, there will be no class meetings that week. Dates for the midterm and final are:

VI. TENTATIVE COURSE SCHEDULE

<table>
<thead>
<tr>
<th>Week</th>
<th>Chapter/Section</th>
<th>Spring 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.1 and 1.2</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>1.3, 1.4, and 1.5</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1.6, Test 1</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>1.7 and 1.8</td>
<td></td>
</tr>
</tbody>
</table>
VIII. OTHER CLASS POLICIES

IX.I Official Part

**Attendance:** This is probably obvious, but since 5% of your grade is based on in-class work, unexcused absences will have a negative effect on your grade.

**Missed midterm/final:** There is no make-up for missed final during summer session. Missed midterm can be made-up within 48 hours.

1. Attendance required, exceptions are sickness, job and family emergencies, but I will not use class roll at any time, because it is your responsibility to be in class and attend to the process of learning (see also II.2.).
2. Please, **print your name** on all assignments and tests: your professor is not a decoding device.
3. If you have questions you MUST ask, you have the right to interrupt lecture or discussion at any time (see also II.1).
4. I am always open for all questions and discussions during the class and office hours. You can always arrange meeting with me at any other time suitable for both sides.
5. No multi-choice tests, all tests will consist of problems you have to solve from the beginning to the end. Partial credit will be given for any parts of problems solved. The policy is **open books and notes, no talking, no cheating.**
6. **No open** books and notes during quizzes.
7. **Papers must be turned on time.**
8. There is **no social promotion** in my classes. **Grades** are given only for **knowledge acquired** (see also II.9.).

IX.II. Unofficial part.

II.1. There are no "stupid" questions, there are only bad teachers.
II.2. All you do, you do it for yourself, not for the professor.
II.3. Do not be concern about grades, be concern of knowledge, because grades are the steepest increasing function of knowledge (here is an example of math language).
II.4. Do not be afraid of problems, let them be afraid of you.
II.5. Only doing nothing may be without mistakes. If you don’t make errors, you don’t learn anything.
II.6. Do not be nervous - it may be only worse.
II.7. Common sense is the base of all decisions, together with knowledge they can do almost everything (even pass this course!).

II.8. Keep your particles together.

II.9. The only valid excuse for not knowing the subject is a sudden death.

- **Notice to Students with Disabilities:** 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. 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.

- **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.