CLASSROOM BEHAVIOR

- All will be treated with respect and all are expected to behave in a manner that fosters a positive and constructive learning environment.

- To help us stay focused
  - arrive on time so as to not disrupt the class session;
  - do not bring food into the classroom;
  - silence or turn off cell phones and other electronic devices and put these away during class unless required as part of the class session.

If you choose not to follow this requirement and do use a cell phone or other device during class time, you may be asked to leave the classroom.

If this occurs during a test or quiz, you will be considered to have finished, and I will collect your work at that time.

COURSE INFORMATION: Successful completion of this course meets the prerequisite for college level mathematics courses. Credit earned does not count toward unit requirements for graduation, for general education, or for any major. (Courses numbered 0001-0999 are pre-baccalaureate level and do not carry unit credit toward the 120 units required for a bachelor’s degree.)

COURSE OBJECTIVES: Upon successful completion of the course, students should be able to

- Apply the basic operations of algebra on the set of real numbers, polynomials, exponential expressions, and rational and radical expressions at an intermediate algebra level
- Solve linear equations, inequalities and absolute value equations
- Identify domains, ranges, relations and functions
- Determine slope; write and graph linear equations using slope-intercept and point-slope forms
- Solve and graph systems of linear equations in two variables and relevant applications
- Apply rules of exponents to simplify exponential expressions
- Simplify rational expressions and solve rational equations and relevant applications
- Simplify radical expressions and solve radical equations and relevant applications
- Solve quadratic equations by factoring or quadratic formula, and relevant applications

REQUIRED MATERIALS AND USE OF TECHNOLOGY

- ALEKS: This is a Web-based program that uses adaptive technology to guide students through a personalized learning experience. Homework will be completed online and results recorded in the online gradebook. Explanations are also provided online so there is no textbook required. However, you will need to purchase an 18-week access code ($81) for course code T4E6G-RMYRY at https://www.aleks.com/.

- Calculator: Calculators will be used (no cell phone calculators allowed). I recommend a scientific calculator with two-line display and edit capability (cost ≈ $14). No sharing of calculators during exams or quizzes is allowed.
Access to a computer and the internet will be needed for completing online homework assignments, course information and accessing email.

Computers are available in labs located in L145, N201 and S102. Check online schedule for hours of operation: https://www.csustan.edu/oit/client-services/computer-labs

Requirements and Expectations: Attend all classes for the full class session and participate in class activities. After in class topic discussions, complete the in-class practice, check your answers and make corrections where needed. Prepare and complete all assignments by the given due dates. The time you spend online learning and completing assignments will depend on your familiarity with the assigned topics. It is important to keep up with the pace of the class, ask for clarification and seek extra help outside of class whenever necessary. For each hour you are in class, expect to spend at least two hours preparing and doing homework outside of class.

Attendance: If you are on an athletic team, departmental team, scholastic team, choir, or other group and must miss class, notify me in advance with the appropriate documentation so that, if necessary, we may make arrangements for make-up work.

Homework is assigned daily and you are expected to complete it by the given due date. Though you will be submitting your answers online, you will need to note on paper the steps in completing many of the assigned homework problems – I suggest you keep a “homework journal” to document your work. If you have a question about a homework problem, you will need to have the problem written down when you ask for help. We will reserve the first 5-10 minutes of class time for these questions.

Exams: There will be two in class exams and a final graded with partial credit. Seating may be randomly assigned for each exam.

The final exam will be comprehensive and will not be at the regular class time. The final will be Friday May 18, 8:30A – 10:30A. NO MAKE-UP FINALS GIVEN.

There are no make-ups for exams unless you have given me prior notice of a university excused absence or you have a verifiable emergency for which you can provide written documentation.

Grading:
- Your course grade will be calculated as follows (category and weight):
  - Online Assignments 30%
  - In Class Activities 10%
  - Exams 35% (15% for Exam 1 and 20% for Exam 2)
  - Final 25%

- In order to pass this class, you must have pre-final average of at least 70% and you must score at least 70% on the final. Grades are assigned as follows:
  - A: 90% – 100%
  - B: 80% – 89.99%
  - C: 70% – 79.99%
  - NC – Less than 70%. You may not use the CR/NC grading option.

Academic Honesty: Academic honesty is expected at all times in this course. Incidents to the contrary will be referred to the campus office of Judicial Affairs. Refer to your student handbook and to the Appendix (Student Conduct) of the University Catalog for details.

Accommodations for Students with Disabilities: Students who are registered with Disability Resource Services will receive the necessary accommodations for learning and evaluation. If you have a disability requiring an accommodation and are not registered, please contact:

Disability Resource Services
Mary Stuart Rogers Building, Room MSR 210
Phone: (209) 667-3159
SYLLABUS CHANGES: If changes to this syllabus are necessary, I will announce these changes during class.

SOME SUGGESTIONS TO HELP YOU SUCCESSFULLY COMPLETE THIS COURSE:

✓ Prepare for class as described.
✓ Take time to familiarize yourself with the online program ALEKS.
✓ Different subjects require different methods for note-taking. Try to get an idea of the major concepts and list some sample problems whenever possible. If you do not already have one, develop a method of note-taking that works for you.
✓ Do homework as it is assigned. Allow enough time to work through explanations (when needed).
✓ If you experience technical difficulties, use the online help and technical support. If you continue to have trouble, please contact me for individual help.
✓ See me during office hours or schedule time to meet with me outside of class if you need more time to ask questions than the class allows.

Our class activities will involve interactions with others. Please read and keep in mind.

❖ Commonly Used Guidelines for Group Interactions
   o Listen actively -- respect others when they are talking.
   o Speak from your own experience instead of generalizing ("I" instead of "they," "we," and "you").
   o Do not be afraid to respectfully challenge one another by asking questions, but refrain from personal attacks -- focus on ideas.
   o Participate to the fullest of your ability – learning and growth depends on the inclusion of every individual voice.
   o Instead of invalidating somebody else's point of view with your own spin on her or his experience, share your own experience.
   o The goal is not to agree -- it is to gain a deeper understanding.
   o Be conscious of body language and nonverbal responses -- they can be as disrespectful as words.

❖ Some reasons for group learning
   • Peer learning can improve the overall quality of learning
   • Group work can facilitate the development of skills, which include
     o teamwork skills (skills in working within team dynamics; leadership skills);
     o analytical and cognitive skills (analyzing task requirements; questioning; critically interpreting material; evaluating the work of others);
     o collaborative skills (conflict management and resolution; accepting intellectual criticism; flexibility; negotiation and compromise); and
     o organizational and time management skills.
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<tr>
<th>Dates</th>
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<tr>
<td>01/25/2018 - 02/01/2018</td>
<td>1. Review Module #1 (16 topics)</td>
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<td>02/02/2018 - 02/07/2018</td>
<td>2. Numbers, Algebra Module #2 (14 topics)</td>
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<td>02/08/2018 - 02/13/2018</td>
<td>3. Linear Equations Module #3 (14 topics)</td>
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<td>02/14/2018 - 02/18/2018</td>
<td>4. Linear Apps Module #4 (14 topics)</td>
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<td>02/19/2018 - 02/25/2018</td>
<td>5. Percent Apps Module #5 (14 topics)</td>
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<td>02/26/2018 - 03/01/2018</td>
<td>6. Inequalities Module #6 (14 topics)</td>
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<td>03/02/2018 - 03/08/2018</td>
<td>7. Lines Module #7 (14 topics)</td>
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<td>03/09/2018 - 03/17/2018</td>
<td>8. Lines &amp; Apps Module #8 (10 topics)</td>
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<td>03/24/2018 - 03/27/2018</td>
<td>10. Exponents, Scientific Notation Module #10 (10 topics)</td>
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<td>03/28/2018 - 04/11/2018</td>
<td>11. Polynomials: Add, Subtract, Multiply Module #11 (8 topics)</td>
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<td>04/12/2018 - 04/17/2018</td>
<td>12. Factoring Module #12 (14 topics)</td>
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<td>04/18/2018 - 04/26/2018</td>
<td>13. Solve Quadratic Equations Module #13 (10 topics)</td>
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<td>04/27/2018 - 05/06/2018</td>
<td>14. Rational Expressions Module #14 (17 topics)</td>
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<td>05/07/2018 - 05/11/2018</td>
<td>15. Solve Rational Equations Module #15 (11 topics)</td>
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<td>05/12/2018 - 05/17/2018</td>
<td>16. Radicals, Quadratic Equations Module #16 (9 topics)</td>
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