1. Course Description: Fundamental concepts of Algebra; equations and inequalities; functions and graphs; polynomial, rational, exponential and logarithmic functions; systems of equations and inequalities; conics; the Binomial Theorem.

2. Prerequisite: MATH 108 grade of “C” or better, or Math Placement Test.

3. Required Textbook and Supplies:
   b. Calculator: A graphing calculator is Strongly Suggested. The TI-83/84 or TI-83/84 Plus are the only calculators that will be allowed in the Testing Center. The classroom lectures will be geared to the use of the TI-83/TI-83 Plus.
   c. Supplies: 3-ring binder with dividers, paper, pencil, stapler.

4. Course Objectives:
   A complete set of course objectives is attached to this syllabus.

5. Outcomes Assessment: Daily assignments, chapter tests, and a comprehensive final exam will be used to assess how well students achieve the course objectives. All exams as well as student evaluations will be analyzed to help improve curriculum and instruction for the course. Also, regular informal feedback will be solicited in an effort to improve the class as we go along. Please feel free to contact me with any suggestions or concerns.

As part of departmental analysis of outcomes in this course and its place in the Mathematics program, student completion of the pre-requisite, success in the current course, success in subsequent courses and student satisfaction will be reviewed by the instructor. A report containing this information will be submitted by department faculty to determine what, if any, changes can be made to improve the course in terms of content, focus, and instruction.

6. Course Evaluations: Students will be asked to fill out an online course evaluation near the end of the semester. Students have responsibility for completing this as part of their course work before they take the final exam. I take your evaluations seriously as I try to improve my teaching and the course overall. The website to access evaluations is: [http://evaluation.csi.edu](http://evaluation.csi.edu).

7. Policies and Procedures:
   a. Attendance: Attendance is essential to student success. If you miss a class, you are responsible for material discussed in class as well as any additional assignments and announcements made during class time. CSI policy allows me to drop you if you miss six (6) classes. If you arrive late to class or leave early from the class, it will be considered an absence. I may drop you from the course after 6 absences, unless you contact me to discuss further arrangements.

   b. Homework: Assignments will be given daily and will be collected at the next class meeting. Be sure to read each section before attempting the homework. Late homework will not be accepted under any circumstances. It will be given no credit if turned in after I have collected homework during the first part of class. If you have a planned absence, you may turn homework in early. Your lowest 5 homework scores will be dropped.
c. Exams: Five exams and a comprehensive final will be given. Exams will be taken in the Campus Testing Center (GRM 230). The final will be taken in the classroom with the instructor present. Make-up exams will NOT BE GRANTED unless you have a medical excuse validated by a doctor or the consent of the instructor at least one week prior to the exam. Make-up final exams will NOT BE GRANTED UNDER ANY CIRCUMSTANCES. Your lowest test score can be dropped and replaced by your final exam score if it is to your benefit.

d. Academic Integrity: If a student is caught cheating on an exam or copying another student’s assignment, a student will be subject to a failing grade (0 credit).

g. Classroom Behavior: You as a student are expected to maintain good conduct during class, treating fellow students with respect and demonstrating a cooperative attitude toward the instructor. Inappropriate behavior will not be tolerated. After one warning, further breaches in acceptable conduct will result in your being dropped from the course, and the matter will be referred to student services for college discipline. If there is a situation creating a problem for you in this class, please let me know so that I can conference with any students who are involved. Information regarding student Behavior Policies can be found on p. 16 and 17 of the C.S.I. catalog. See also the Code of Conduct in the Student Handbook.

h. Other Policies: All cell phones and pagers must be turned off or to a vibrate mode during class. No children are allowed in class.

8. Grading Practices:

a. Testing Center: All chapter exams will be taken in the Testing Center. It is located in GRM 230 and is open from 8:00 am – 9:30 p.m. Mon.-Thurs. and from 8:00 a.m. – 5:00 p.m. on Fridays. A picture ID is required to take any test in the Testing Center. You cannot start a test in the Testing Center if closing time is less than one hour away.

b. Assignments: All assignments must include name, course title, date, and section. All assignments must be stapled and odd numbers must be self-corrected using the back of the book. See attached sheet for additional requirements. Assignments without work shown, as well as late assignments, will receive 0 credit.

c. Evaluation:

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Points</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Exams</td>
<td>500</td>
<td>90 -100%=A</td>
</tr>
<tr>
<td>Homework</td>
<td>100</td>
<td>80-89% =B</td>
</tr>
<tr>
<td>Final Exam</td>
<td>200</td>
<td>70-79%=C</td>
</tr>
<tr>
<td>Total Possible</td>
<td>800</td>
<td>60-69%=D</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Below 60% = F</td>
</tr>
</tbody>
</table>

9. Disabilities: Any student with a documented disability may be eligible for related accommodations. To determine eligibility and secure services, students should contact the coordinator of Disability Services at their first opportunity after registration for a class. Student Disability Services is located on the second floor of the Taylor Building on the Twin Falls Campus. 208.732.6250 (voice) or 208.734.9929 (TTY), or e-mail aflannery@csi.edu.

10. Do not put off getting help! If you wait until you are totally lost, you might find it impossible to get back on track.

11. Keys to success in this class: Show up every day and pay attention; ask questions; practice by doing assignments and forming study groups; don’t quit!
12. Where to get help:
   - Ask questions in class or stop by to see me – I’m here to help you!
   - **Video tapes/DVD’s** of our class topics are available for check out at…
     o Library (GRM 131)
     o Outreach centers
   - One-on-one instructor and peer **tutoring** are available at…
     o Math Lab (SHL 207)
     o Instruction Lab (GRM 202)
   - **Broadcasts of class video tapes** from the publishers will air on Wednesdays from 4 – 5 p.m. and Thursdays from 12 p.m. – 1 p.m. on Teton Wireless Box Channel 19 or Cable Side Channel 70, CableOne Channel 17 or “Off-Air” Channel 19.
   - **Study groups** are a great resource and I encourage you to form them to do assignments, study for tests, etc.
   - **Student Solutions Manuals** for our textbook are packaged with new textbooks and are for sale separately in the CSI Bookstore. They are also available on reserve at the CSI Library and in the Math Lab. These are not required, but some students find them useful.
### 13. Tentative topical outline:

<table>
<thead>
<tr>
<th>Date</th>
<th>Section</th>
<th>Date</th>
<th>Section</th>
<th>Date</th>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan. 17</td>
<td>Syllabus, P1-P6, 1.1 Graphing and Graphing Utilities</td>
<td>Feb. 23</td>
<td>2.6 Algebra of Functions</td>
<td>Apr. 6</td>
<td>4.5 Modeling with Log and Exp functions</td>
</tr>
<tr>
<td>Jan. 19</td>
<td>1.1 Graphing and Graphing Utilities, Quiz on Chapter P</td>
<td>Feb. 26</td>
<td>2.7 Inverse Functions</td>
<td>Apr. 9</td>
<td>Review</td>
</tr>
<tr>
<td>Jan. 22</td>
<td>1.2 Linear Equations</td>
<td>Feb. 28</td>
<td>Review</td>
<td>Apr. 11</td>
<td>5.1 Systems of Linear Equations (2 var)</td>
</tr>
<tr>
<td>Jan. 24</td>
<td>1.3 Formulas</td>
<td>Mar. 2</td>
<td>3.1 Quadratic Functions</td>
<td>Apr. 13</td>
<td>5.2 Systems of Linear Equations (3 var)</td>
</tr>
<tr>
<td>Jan. 26</td>
<td>1.4 Complex Numbers</td>
<td>Mar. 5</td>
<td>3.2 Polynomial Functions</td>
<td>Apr. 16</td>
<td>5.4 Systems of Nonlinear Equations (2 var)</td>
</tr>
<tr>
<td>Jan. 29</td>
<td>1.5 Quadratic Equations</td>
<td>Mar. 7</td>
<td>3.3 Dividing Polynomials</td>
<td>Apr. 18</td>
<td>5.5 Systems of Inequalities</td>
</tr>
<tr>
<td>Jan. 31</td>
<td>1.6 Other Types of Equations</td>
<td>Mar. 9</td>
<td>3.4 Zeros of Polynomials</td>
<td>Apr. 20</td>
<td>7.1 Ellipses</td>
</tr>
<tr>
<td>Feb. 2</td>
<td>1.7 Linear Inequalities</td>
<td>Mar. 12</td>
<td>3.5 More on Zeros of Polynomial Functions</td>
<td>Apr. 23</td>
<td>7.2 Hyperbolas</td>
</tr>
<tr>
<td>Feb. 5</td>
<td>1.8 Quadratic and Rational Inequalities</td>
<td>Mar. 14</td>
<td>3.6 Rational Functions</td>
<td>Apr. 25</td>
<td>7.3 Parabolas</td>
</tr>
<tr>
<td>Feb. 7</td>
<td>Review</td>
<td>Mar. 16</td>
<td>3.7 Modeling Using Variation</td>
<td>Apr. 27</td>
<td>Review</td>
</tr>
<tr>
<td>Feb. 9</td>
<td>2.1 Lines and Slope</td>
<td>Mar. 19-23</td>
<td>Spring Break</td>
<td>Apr. 30</td>
<td>8.5 Binomial Theorem</td>
</tr>
<tr>
<td>Feb. 12</td>
<td>2.2 Distance and Midpoint Formulas</td>
<td>Mar. 26</td>
<td>Review</td>
<td>May 2</td>
<td>Review</td>
</tr>
<tr>
<td>Feb. 14</td>
<td>2.3 Basics of Functions</td>
<td>Mar. 28</td>
<td>4.1 Exponential Functions</td>
<td>May 4</td>
<td>Review</td>
</tr>
<tr>
<td>Feb. 16</td>
<td>2.4 Graphs of Functions</td>
<td>Mar. 30</td>
<td>4.2 Logarithmic Functions</td>
<td>May 7-11</td>
<td>Finals Week</td>
</tr>
<tr>
<td>Feb. 19</td>
<td>President’s Day</td>
<td>Apr. 2</td>
<td>4.3 Properties of Logarithms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feb. 21</td>
<td>2.5 Transformations of Functions</td>
<td>Apr. 4</td>
<td>4.4 Exponential and Logarithmic Equations</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Exam 1:** Ch.1 (sections 1-8) open: **Feb. 7-9, 12**
**Exam 2:** Ch.2 (sections 1-7) open: **Feb. 28, Mar. 1, 2, 5**
**Exam 3:** Ch. 3 (section 1-7) open: **Mar. 26-29**
**Exam 4:** Ch. 4 (sections 1-5) open: **Apr. 9-12**
**Exam 5:** Ch. 5 (sections 1,2,4-6) & Ch. 7 (sections 1-3) open: **Apr. 27, 30, May 1, 2**

**FINAL EXAM:**
12 p.m. class: **Wednesday, May 9, from 10 a.m. – 12 p.m.** in the classroom
Homework Assignment Format
Math 143
Spring 2007

1. Use loose leaf paper
2. On the top right hand corner of the first page, include the following:
   - Name
   - Course title
   - Date
   - Section
3. Do all homework in pencil. Work done in pen will not be graded.
4. Show all work necessary to complete the problem. A correct answer with little, no, or incorrect work will receive **NO** credit.
5. Circle your final answer when possible.
6. Write legibly. If I cannot decipher your work, it will not be graded.
7. Do your work horizontally (going down) instead of vertically (going across).
8. Correct all odd number problems using the back of the book. You may rework the problem until you get the correct answer, if possible. Write a “C” for correct by the problem number if it is correct, or a check mark √ if it is incorrect.
9. Staple all pages for each section’s homework assignment together.
10. No late homework will be accepted.