INSTRUCTOR: Kevin Jones
Office: GRM 212
Office Phone: 732-6570
Email address: kevin.jones@csi.edu
Office Hours: M & W 9:00am – 10:00am
T & Th 10:00 – 11:00 pm
Fri. 12:00pm to 1:00pm

Course Description
This course is designed to prepare the student for college algebra. It covers first-degree equations and inequalities, absolute value equations and inequalities linear functions, systems of linear equations, polynomials, exponents and radicals, rational expressions, quadratic equations, graphing functions, and logarithms. Students are not advised to go on to the next math course in the sequence if course grade and outcome indicates a below-average achievement. Pre-requisite: Placement score recommendation of (41 – 61 on algebra) or passing with average achievement (strong C grade or higher) in Math 025.

Required Textbook and Supplies
INTERMEDIATE ALGEBRA Personal Academic Notebook; published by Plato Learning. Text can be purchased at the CSI bookstore OR at the online bookstore site www.bookstore.csi.edu click “Note from Manager” link. The shrink-wrapped materials will include course CDs and a one-semester, non-transferable course license. This text is a consumable textbook and cannot be sold back to the bookstore or to another student. Contact the CSI Bookstore for any questions regarding the purchase of your text at 208-732-6550 or 1-800-680-0274.

Recommended Computer Workstation Requirements

<table>
<thead>
<tr>
<th>CPU</th>
<th>Intel Pentium II or higher</th>
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<tbody>
<tr>
<td>RAM</td>
<td>128 MB</td>
</tr>
<tr>
<td>Hard Drive</td>
<td>300 MB free space</td>
</tr>
<tr>
<td>Video Card</td>
<td>Capable of 16-bit or 800x600; 4MB of Video Card Ram</td>
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<tr>
<td>Sound Card</td>
<td>Amplified, Windows Compatible Sound Card</td>
</tr>
<tr>
<td>Internet Access</td>
<td>56K Modem or Broadband</td>
</tr>
<tr>
<td>CD-ROM</td>
<td>16x</td>
</tr>
<tr>
<td>Operating Sys</td>
<td>Windows 2000</td>
</tr>
<tr>
<td>Web Browser</td>
<td>Microsoft Internet Explorer version 5.5 or higher; or Netscape Navigator version 4.75 or higher, or Netscape 6.2</td>
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Course Objectives
a. The student will demonstrate a working knowledge of real numbers and exponents, equations and inequalities, graphing lines, solving linear systems, and problem solving with 75% accuracy before moving to subsequent objectives.
b. The student will demonstrate a working knowledge of factoring polynomials, absolute value, quadratic equations, complex numbers, and rational expressions with 75% accuracy before moving to subsequent objectives.
c. The student will demonstrate a working knowledge of problem solving with rational expressions, roots and radicals, rational exponents, and nonlinear equations with 75% accuracy before moving to subsequent objectives.
d. The student will demonstrate a working knowledge of quadratic inequalities, functions, algebra of functions with 75% accuracy before moving to subsequent objectives.
e. The student will demonstrate a working knowledge of exponential functions, logs and their properties, application of logs with 75% accuracy before moving to subsequent objectives.
**Policies and Procedures**

a. Students will purchase the required course text with accompanying CD’s and non-transferable license.

b. Students must have access to a workstation with recommended PC configuration or make themselves available to use the designated PC’s on the CSI campus.

c. Student will follow recommended steps for completing and checking assignments to be successful in the course.

d. Assigned homework is due at the time of the unit exam and handed in as a packet. Immediate knowledge of results improves the learning process in mathematics. Students will self-check their homework upon completion of work.

e. Students will be required to take unit exams in the Campus Testing Center or site designated by the instructor. Picture ID is required to take a unit exam—no exceptions. Calculators are allowed on tests. Cheating on tests or coursework will result in a failing grade.

f. Off campus students accessing Interactive Mathematics from a non-campus network (for example their place of employment) may be unable to connect to the course if that network utilizes a firewall.

g. Students must adhere to CSI computer lab and behavioral policies listed on page 16 of the CSI catalog.

h. Students should expect to spend **8 - 10 hours** per week during the Spring session to complete the 16-week course.

i. Students can work ahead of the weekly schedule. However any student that fails to take a test on the last day a test is offered will receive a zero for that test, unless arrangements have been made with the instructor.

j. Students must complete all required online quizzes (Evaluation Module) before taking the unit exam and before an online quiz can be taken, the student must have the Explain and Apply sections completed You can retry an online quiz up to three tries. Any quiz not taken before the student takes the unit exam will be recorded as a zero.

k. Any student that gets a full week behind will probably be dropped from the course by the instructor or receive an F in the course, unless prior arrangements have been made with the instructor.

**Course Delivery/philosophy**

This course uses multimedia-intensive instructional delivery. The philosophy behind offering the course online is to allow the student a time and place-independent delivery. Also, the student is allowed to move at an accelerated pace through the course. Each section begins with a pre-test (Overview). A perfect score on a pre-test might indicate the student has already mastered the competencies of a particular section and the student is permitted to move onto the next objective. The pretest may also indicate that the student requires some instruction and a prescription of study will be made for the student based on the pre-test results. Each content area contains a course lecture (called the Explain Module) and a practice section (called the Apply Module). These modules must be completed if you did not receive a perfect score on the Pre-Test. The student also takes an online assessment (called the Evaluate Module) to determine mastery of the content area.

**Outcomes Assessment**

Students will be pre-tested over each course topic. Practice problems, homework, and quizzes will be used to assess mastery of course content. Unit exams will also be used to assess student achievement. Students will be asked to fill out a course evaluation near the end of the semester. All students will be required to complete a common final that will measure the student’s knowledge of the material that was covered throughout the course. A statistical analysis of each individual test question will be completed along with a comprehensive study of the course evaluations to further improve the course. Student’s homework, chapter exams, and the Outcome Assessment will determine if the student has met the required grade of C or better, to progress to the next math course in their sequence.
The Testing Center (GRM 230) is open the following hours: 
8:00 am-9:30 pm M-Th 
8:00 am-5:00 pm Fri. 
No test will be given out any later than one hour prior to closing.

**Grading Practices** Final Grade will be based on the following scale.

<table>
<thead>
<tr>
<th>Percentage Range</th>
<th>Grade</th>
</tr>
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<tbody>
<tr>
<td>90 – 100%</td>
<td>A</td>
</tr>
<tr>
<td>80 – 89%</td>
<td>B</td>
</tr>
<tr>
<td>70 – 79%</td>
<td>C</td>
</tr>
<tr>
<td>60 – 69%</td>
<td>D</td>
</tr>
<tr>
<td>0 – 59%</td>
<td>F</td>
</tr>
</tbody>
</table>

Grading procedure will be as follows: Any student who has not met the required outcome to receive a letter grade of C or better, but honestly completing all work required, will be given an NC grade. Those students who have not completed all the required work or have failed to attend regularly and their grade average is below 70% will receive a grade of D or F.

- 4 unit exams—100 points each
- On-line quizzes and written homework — 100 points total
- Final comprehensive exam — 200 points

Total possible points — **700**

**Homework**—practice homework problems are done on the computer in the Explain and Apply Modules. Students receive immediate knowledge of results on practice homework problems attempted on the computer. The computer homework is for practice and is not included in the course grade. Book homework, however, is included in the course grade and should be completed by the student prior to taking the lesson quiz (Evaluate Module) and the unit test. Students are required to complete problems ending in 5, and 7 in each of the homework Apply sections. Example: 5, 7, 15,17,25... etc. The student is to self-grade the homework by using the key in the back of the textbook. All work should be shown on the homework paper and in a neat and organized manner. Homework should be turned in prior to taking the unit test; turn homework into the test proctor in the testing center. Please self-score your homework by writing the number correct over the total problems completed. Calculators may be used on homework and tests in this course.

**Log in name and password**

Your login name is your first initial and your last name without spaces. Your password is your student ID number. Example my login name **kjones** and password would be **123456**. When you log in for the first time you will be asked to enter a license code found on the envelope of the Client Installer cd. This code is validation that you purchased the license and can only be used once.

**Need Help?**

- E-mail your instructor at **kevin.jones@csi.edu** or call me during my office hours.
- Learning Assistance Services available in the GRM Room 202; Contact Kat Powell, Learning Assistance Coordinator for tutoring information—available to both on-campus and on-line students.
- Drop-in assistance available in the Math Lab located in GRM 202.
- Videotapes available for checkout from the reserve desk at the CSI library.
- Videotapes available for viewing in GRM Room 202.
- Computer lab assistance available in the GRM 202
- Disability services available in the CSI Counseling Center contact Ann Flannery.
- Student telephone Computer Technical Support available at 1-800-681-HELP
- Send e-mail requests for software tech support to **help@academic.com** or browse the support website at **http://support.academic.com** or call 1-800-681-HELP
CHECKLIST AND DUE DATES

WEEK 1, January 15th
_____ Purchase textbook
_____ Read Syllabus
_____ Load internet Client on home computer (find CD in back of course textbook) call 1-800-681-HELP for technical support
_____ Once internet client loads successfully, restart your computer and then log on to the course by double-clicking the new icon on your computer desktop. Select College of Southern Idaho from the pull-down list of schools from the Academic Online Home Page. Click DO A LESSON.
_____ Enter your logon name and password on the Academic Online Welcome screen. Click OK. Note: Your login name is your firstname initial plus your last name (no spaces). Your password is your student ID number.
_____ Remove the Intermediate Algebra part one disk from the back of your textbook and insert it into your computer.
_____ As you begin to navigate through the Interactive Math program, you will be prompted at some point to enter a license code. This can be found on the cover of your Client Installer envelope. Once your code has been entered, you will not use this code again.
_____ Next select GETTING STARTED & TOUR and follow the computer instructions.

Week 2 January 22nd
_____ Complete the Overview (Pretest) Module for Lesson EII.A Real numbers and exponents
_____ Complete the Explain Module for Lesson EII.A
_____ Complete the Apply Module for Lesson EII.A
_____ Complete the book homework for Lesson EII.A (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson EII.A

WEEK 3 January 29th
_____ Complete the Overview (Pretest) Module for Lesson EII.C. Equations and inequalities
_____ Complete the Explain Module for Lesson EII.C.
_____ Complete the Apply Module for Lesson EII.C.
_____ Complete the book homework for Lesson EII.C. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson EII.C.
_____ Complete the Overview (Pretest) Module for Lesson EII.E. Graphing Lines
_____ Complete the Explain Module for Lesson EII.E.
_____ Complete the Apply Module for Lesson EII.E.
_____ Complete the book homework for Lesson EII.E. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson EII.E.

WEEK 4, February 5th
_____ Complete the Overview (Pretest) Module for Lesson 5.1 Solving Linear Systems
_____ Complete the Explain Module for Lesson 5.1
_____ Complete the Apply Module for Lesson 5.1
_____ Complete the book homework for Lesson 5.1 (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson 5.1
_____ Review and complete homework of handout on Cramer’s Rule and Elimination Method. (email attachment)

WEEK 5 February 12th
_____ Complete the Overview (Pretest) Module for Lesson 5.2. Problem Solving
_____ Complete the Explain Module for Lesson 5.2.
_____ Complete the Apply Module for Lesson 5.2.
_____ Complete the book homework for Lesson 5.2. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson 5.2.

**EXAM 1 (Covers from EII.A – 5.2) by Wednesday, February 21st**

WEEK 6, February 19th
_____ Complete the Overview (Pretest) Module for Lesson EII.F. Absolute Value
Complete the Explain Module for Lesson EII.F.
Complete the Apply Module for Lesson EII.F.
Complete the book homework for Lesson EII.F. (problems ending in 5 & 7’s) and self-check work
Complete the online quiz in the Evaluate Module in Lesson EII.F.
Complete the Overview (Pretest) Module for Lesson EII.B. **Polynomials**
Complete the Explain Module for Lesson EII.B.
Complete the Apply Module for Lesson EII.B.
Complete the book homework for Lesson EII.B. (problems ending in 5 & 7’s) and self-check work
Complete the online quiz in the Evaluate Module in Lesson EII.B.

**WEEK 7, February 26th**
Complete the Overview (Pretest) Module for Lesson 10.1. **Quadratic Equations**
Complete the Explain Module for Lesson 10.1.
Complete the Apply Module for Lesson 10.1.
Complete the book homework for Lesson 10.1. (problems ending in 5 & 7’s) and self-check work
Complete the online quiz in the Evaluate Module in Lesson 10.1.
Complete the Overview (Pretest) Module for Lesson 10.2. **Complete the Square and Quadratic Form.**
Complete the Explain Module for Lesson 10.2.
Complete the Apply Module for Lesson 10.2.
Complete the book homework for Lesson 10.2. (problems ending in 5 & 7’s) and self-check work
Complete the online quiz in the Evaluate Module in Lesson 10.2.

**WEEK 8, March 5th**
Complete the Overview (Pretest) Module for Lesson 10.3. **Complex Numbers**
Complete the Explain Module for Lesson 10.3.
Complete the Apply Module for Lesson 10.3.
Complete the book homework for Lesson 10.3. (problems ending in 5 & 7’s) and self-check work
Complete the online quiz in the Evaluate Module in Lesson 10.3.
**EXAM 2 (Covers from EII.F – 10.3) by Wednesday March 14th**

**Week 9, March 12th**
Complete the Overview (Pretest) Module for Lesson EII.D. **Rational Expressions**
Complete the Explain Module for Lesson EII.D.
Complete the Apply Module for Lesson EII.D.
Complete the book homework for Lesson EII.D. (problems ending in 5 & 7’s) and self-check work
Complete the online quiz in the Evaluate Module in Lesson EII.D.

**WEEK 10, March 19th  Spring Break!! Use the time to work ahead or to get caught up.**

**WEEK 11, March 26th**
Complete the Overview (Pretest) Module for Lesson 8.4. **Problem Solving**
Complete the Explain Module for Lesson 8.4.
Complete the Apply Module for Lesson 8.4.
Complete the book homework for Lesson 8.4. (problems ending in 5 & 7’s) and self-check work
Complete the online quiz in the Evaluate Module in Lesson 8.4.

**Week 12, April 2nd**
Complete the Overview (Pretest) Module for Lesson 9.1. **Roots and Radicals**
Complete the Explain Module for Lesson 9.1.
Complete the Apply Module for Lesson 9.1.
Complete the book homework for Lesson 9.1. (problems ending in 5 & 7’s) and self-check work
Complete the online quiz in the Evaluate Module in Lesson 9.1.
Complete the Overview (Pretest) Module for Lesson 9.2. **Rational Exponents**
Complete the Explain Module for Lesson 9.2.
Complete the Apply Module for Lesson 9.2.
Complete the book homework for Lesson 9.2. (problems ending in 5 & 7’s) and self-check work
Complete the online quiz in the Evaluate Module in Lesson 9.2.
**EXAM 3 (Covers from EII.D – last concept in 9.2) by Wednesday April 11th**
WEEK 13, April 9th
_____ Complete the Overview (Pretest) Module for Lesson 13.1. **Nonlinear Equations**
_____ Complete the Explain Module for Lesson 13.1.
_____ Complete the Apply Module for Lesson 13.1.
_____ Complete the book homework for Lesson 13.1. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson 13.1.
_____ Complete the Overview (Pretest) Module for Lesson 13.3. **Nonlinear Inequalities**
_____ Complete the Explain Module for Lesson 13.3.
_____ Complete the Apply Module for Lesson 13.3.
_____ Complete the book homework for Lesson 13.3. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson 13.3.

WEEK 14, April 16th
_____ Complete the Overview (Pretest) Module for Lesson 11.1. **Functions**
_____ Complete the Explain Module for Lesson 11.1.
_____ Complete the Apply Module for Lesson 11.1.
_____ Complete the book homework for Lesson 11.1. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson 11.1.
_____ Complete the Overview (Pretest) Module for Lesson 11.2. **The Algebra of Functions**
_____ Complete the Explain Module for Lesson 11.2.
_____ Complete the Apply Module for Lesson 11.2.
_____ Complete the book homework for Lesson 11.2. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson 11.2.
**EXAM 4 (Covers from 13.1 – last concept in 11.2) by Wednesday April 25th**

WEEK 15, April 23rd
_____ Complete the Overview (Pretest) Module for Lesson 12.1. **Exponential Functions**
_____ Complete the Explain Module for Lesson 12.1.
_____ Complete the Apply Module for Lesson 12.1.
_____ Complete the book homework for Lesson 12.1. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson 12.1.
_____ Complete the Overview (Pretest) Module for Lesson 12.2. **Logs and their Properties**
_____ Complete the Explain Module for Lesson 12.2.
_____ Complete the Apply Module for Lesson 12.2.
_____ Complete the book homework for Lesson 12.2. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson 12.2.

WEEK 16, April 30th
_____ Complete the Overview (Pretest) Module for Lesson 12.3. **Applications of Logs**
_____ Complete the Explain Module for Lesson 12.3.
_____ Complete the Apply Module for Lesson 12.3.
_____ Complete the book homework for Lesson 12.3. (problems ending in 5 & 7’s) and self-check work
_____ Complete the online quiz in the Evaluate Module in Lesson 12.3.
_____ Please complete the course evaluation.
_____ Review for the Cumulative Final, that must be taken by Wednesday the 9th.

WEEK 17, May 7th
_____ Take Final exam by Wednesday the 9th.