MATH 108--INTERMEDIATE ALGEBRA ONLINE, 4 credits
Fall 2009

Instructor: Kevin Jones  Office: GRM 212
Office Phone: 732-6570  Office Hours: M & W & F 11:00am – 12:00pm
Email address kevin.jones@csi.edu  T & Th 12:00 – 1:00 pm
https://asalgebra.platoweb.com/

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
Academic Systems 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 text will have a validation code, which when entered will verify you have purchased the 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 view the link below and see page 4
http://support.plato.com/downloads/accountability/PLE/PLE_1.1_System_Requirements.pdf

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 validation code, which verifies you have purchased the course license and is a 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 from the syllabus 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 Plato Learning 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 - 12 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) and online homework 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 or online homework not taken before the following Monday morning, will be recorded as a zero. You are graded on the online quizzes, online homework, and tests.

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. Many sections begin 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.
90 – 100 %  A
80 – 89%   B
70 – 79%   C
60 – 69%   D
0 – 59%    F

Grading procedure will be as follows:
4 unit exams– 100 points each
On-line quizzes and homework – 200 points total
Final comprehensive exam – 200 points
Total possible points – 800

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 3 initials and your last name. Your password is your student ID number. Example Kevin Jones, my login name keyjones and password would be 123456. When you start a section on the computer you will be asked to enter a validation code. This code can be found in the book and is validation that you purchased the license and can only be used once. You have a 30 day grace period to enter the validation code. After 30 days the program will automatically prevent you from completing any more work.

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 http://support.academic.com or call 1-800-681-HELP
CHECKLIST AND DUE DATES

WEEK 1, August 24th

_____ Purchase textbook
_____ Read Syllabus
_____ Using Internet Explorer version 6.0 go to the Plato Learning web site https://asalgebra.platoweb.com/
_____ Once you are at the Plato web site you will need to log in using the following:
   Account Log in type in csi
   Plato Name type in your first 3 initials of your first name along with your complete last name.
   Example Kevin Jones. Plato name would be kevjones
   Your password is your student ID number. Then click the log in icon.
_____ You should now be on the Home Page. In the Assignment Reminder box click on the Math 108 Fall 09 KJ which takes you to the assignment page.
_____ Now you see boxes from A – J. Click on the A box, the next screen will have Getting Started and go through the tutorial of this program. To exit always click on the X button on the bottom left of the screen.
_____ Click on box B. You will see 5 boxes under the A – K boxes.
_____ Box 1 is open
_____ Complete the 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 online homework EII.A
_____ Complete the online quiz in the Evaluate Module in Lesson EII.A
_____ Click on box number 2.
_____ Complete the Module for Lesson EII.A Integer 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 (p 20 probs ending in 5 & 7’s); self-check work
_____ Complete the online homework EII.A
_____ Complete the online quiz in the Evaluate Module in Lesson EII.A

WEEK 2 August 31st

_____ Click on box number 3.
_____ Complete the Module for Lesson EII.C Linear
_____ Complete the Explain Module for Lesson EII.C
_____ Complete the Apply Module for Lesson EII.C
_____ Complete the book homework for Lesson EII.C. (p 65 probs ending in 5 & 7’s); self-check work
_____ Complete the online homework EII.C
_____ Complete the online quiz in the Evaluate Module in Lesson EII.C.
_____ Click on box 4
_____ Complete the Overview 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 online homework EII.E
_____ Complete the online quiz in the Evaluate Module in Lesson EII.E.
_____ Click on box 5
_____ Complete the Module for Lesson EII.E Finding Equations
_____ Complete the Explain Module for Lesson EII.E
_____ Complete the Apply Module for Lesson EII.E
_____ Complete the book homework for Lesson EII.E. (p 113 probs ending in 5 & 7’s); self-check work
_____ Complete the online homework EII.E
Complete the online quiz in the Evaluate Module in Lesson EII.E.

**WEEK 3 September 7th**
- Click on Box C
- Complete the Module for Lesson 3.1 **Finding Equations**
- Complete the Explain Module for Lesson 3.1.
- Complete the Apply Module for Lesson 3.1.
- Complete the book homework for Lesson 3.1. (p 163 probs ending in 5 & 7’s); self-check work
- Complete the online homework 3.1
- Complete the online quiz in the Evaluate Module in Lesson 3.1.
- Click on Box D **Solving Linear Systems**
- Box 1 is the introduction **5.0 The Great Train Rescue**
- Click on box 2
- Complete the Overview (Pretest) Module for Lesson 5.1 **Solutions by Graphing**
- Complete the Explain Module for Lesson 5.1
- Complete the Apply Module for Lesson 5.1
- Complete the book homework for Lesson 5.1 (p 259 probs ending in 5 & 7’s); self-check work
- Complete the online homework 5.1
- Complete the online quiz in the Evaluate Module in Lesson 5.1
- Click on box 3 **Solutions by Algebra**
- Complete the Overview (Pretest) Module for Lesson 5.1 **Solutions by Algebra**
- Complete the Explain Module for Lesson 5.1
- Complete the Apply Module for Lesson 5.1
- Complete the book homework for Lesson 5.1 (p 278 probs ending in 5 & 7’s); self-check work
- Complete the online homework 5.1
- 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 4, September 14th**
- Click on box 4 **Using Linear Systems**
- Complete the Overview (Pretest) Module for Lesson 5.2. **Using Linear Systems**
- Complete the Explain Module for Lesson 5.2.
- Complete the Apply Module for Lesson 5.2.
- Complete the book homework for Lesson 5.2. (p 278 probs ending in 5 & 7’s); self-check work
- Complete the online homework 5.2
- Complete the online quiz in the Evaluate Module in Lesson 5.2.
- **EXAM 1 (Covers from EII.A – 5.2) by Wednesday, September 23rd.**

**WEEK 5 September 21st**
- Click on box E **Quadratic Equations**
- Box 1 should be open.
- 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 online homework EII.F
- Complete the online quiz in the Evaluate Module in Lesson EII.F.
- Click on box 2
- Complete the Overview (Pretest) Module for Lesson EII.F. **Solving Inequalities**
- Complete the Explain Module for Lesson EII.F.
- Complete the Apply Module for Lesson EII.F.
- Complete the book homework for Lesson EII.F. (p 134 probs ending in 5 & 7’s); self-check work
Complete the online homework EII.F
Complete the online quiz in the Evaluate Module in Lesson EII.F.
Click on box 3 Polynomials
Complete the Overview (Pretest) Module for Lesson EII.B. Polynomial Operations
Complete the Explain Module for Lesson EII.B.
Complete the Apply Module for Lesson EII.B.
Complete the online quiz in the Evaluate Module in Lesson EII.B.

WEEK 6, September 28th
Click on box 4 Factoring Polynomials
Complete the Overview (Pretest) Module for Lesson EII.B. Factoring 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. (p 47 probs ending in 5 & 7’s); self-check work
Complete the online homework EII.B
Complete the online quiz in the Evaluate Module in Lesson EII.B.
Click on box 5 Intro to Formula Machines
Click on Box 6
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 online homework 10.1
Complete the online quiz in the Evaluate Module in Lesson 10.1.
Click on Box 7 Solving by Square Roots
Complete the Overview (Pretest) Module for Lesson 10.1. Solving by Square Roots
Complete the Explain Module for Lesson 10.1.
Complete the Apply Module for Lesson 10.1.
Complete the book homework for Lesson 10.1. (p 591 probs ending in 5 & 7’s); self-check work
Complete the online homework 10.1
Complete the online quiz in the Evaluate Module in Lesson 10.1.

WEEK 7, October 5th
Click on Box 8 Complete the Square
Complete the Overview (Pretest) Module for Lesson 10.2. Complete the Square
Complete the Explain Module for Lesson 10.2.
Complete the Apply Module for Lesson 10.2.
Complete the online homework 10.2
Complete the online quiz in the Evaluate Module in Lesson 10.2.
Click on Box 9 The Quadratic Formula
Complete the Overview (Pretest) Module for Lesson 10.2. The Quadratic Formula
Complete the Explain Module for Lesson 10.2.
Complete the Apply Module for Lesson 10.2.
Complete the book homework for Lesson 10.2. (p 619 probs ending in 5 & 7’s); self-check work
Complete the online homework 10.2
Complete the online quiz in the Evaluate Module in Lesson 10.2.

WEEK 8, October 12th
Click on Box 10
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. (p 639 probs ending in 5 & 7’s); self-check work
Complete the online homework 10.3
Complete the online quiz in the Evaluate Module in Lesson 10.3.

EXAM 2 (Covers from EII.F – 10.3) by Wednesday October 21st

Week 9, October 19th
Click on Box F
Box 1 should be open Rational Expressions
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 online homework EII.D
Complete the online quiz in the Evaluate Module in Lesson EII.D.
Click on Box 2 Rational Equations
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. (p 89 probs ending in 5 & 7’s); self-check work
Complete the online homework EII.D
Complete the online quiz in the Evaluate Module in Lesson EII.D.

WEEK 10, October 26th
Click on Box 3 Rational Expressions
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. (p 497 probs ending in 5 & 7’s); self-check work
Complete the online homework 8.4
Complete the online quiz in the Evaluate Module in Lesson 8.4.
Click on Box G Rational Exponents and Radicals
Box 1 should be open 9.0 Fishing for Roots
Click on Box 2 9.1 Square Roots and Cube Roots
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 online homework 9.1
Complete the online quiz in the Evaluate Module in Lesson 9.1.
Click on Box 3 Radical Expressions
Complete the Overview (Pretest) Module for Lesson 9.1. Radical Expressions
Complete the Explain Module for Lesson 9.1.
Complete the Apply Module for Lesson 9.1.
Complete the book homework for Lesson 9.1. (p 535 probs ending in 5 & 7’s); self-check work
Complete the online homework 9.1
Complete the online quiz in the Evaluate Module in Lesson 9.1.

Week 11, November 2nd
Click on Box 4 9.2 Roots and Exponents
Complete the Overview (Pretest) Module for Lesson 9.2. Roots and Exponents
Complete the Explain Module for Lesson 9.2.
Complete the Apply Module for Lesson 9.2.
Complete the online homework 9.2
Complete the online quiz in the Evaluate Module in Lesson 9.2.
Click on Box 5 **Simplify Radicals**
Complete the Overview (Pretest) Module for Lesson 9.2. **Simplify Radicals**
Complete the Explain Module for Lesson 9.2.
Complete the Apply Module for Lesson 9.2.
Complete the online homework 9.2
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 November 11th**

**WEEK 12, November 9th**
Click on Box H **Nonlinear Equations and Inequalities**
Box 1 should be open intro to 13.0 *The Learning Experiment*
Click on Box 2 13.1 **Solve Equations**
Complete the Overview (Pretest) Module for Lesson 13.1. **Solve Equations**
Complete the Explain Module for Lesson 13.1.
Complete the Apply Module for Lesson 13.1.
Complete the online homework 13.1
Complete the online quiz in the Evaluate Module in Lesson 13.1.
Click on Box 3 **Radical Equations**
Complete the Overview (Pretest) Module for Lesson 13.1. **Radical 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. (p 841 probs ending in 5 & 7’s); self-check work
Complete the online homework 13.1
Complete the online quiz in the Evaluate Module in Lesson 13.1.
Click on Box 4 **Quadratic Inequalities**
Complete the Overview (Pretest) Module for Lesson 13.3. **Quadratic Inequalities**
Complete the Explain Module for Lesson 13.3.
Complete the Apply Module for Lesson 13.3.
Complete the online homework 13.3
Complete the online quiz in the Evaluate Module in Lesson 13.3.
Click on Box 5 **Rational Inequalities**
Complete the Overview (Pretest) Module for Lesson 13.3. **Rational 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. (p 904 probs ending in 5 & 7’s); self-check work
Complete the online homework 13.3
Complete the online quiz in the Evaluate Module in Lesson 13.3.

**WEEK 13, November 16th**
Click on Box I **Functions and Graphing**
Box 1 should be open intro to **Office Functions**
Click on Box 2 **Functions and Graphs**
Complete the Overview (Pretest) Module for Lesson 11.1. **Functions and Graphs**
Complete the Explain Module for Lesson 11.1.
Complete the Apply Module for Lesson 11.1.
Complete the online homework 11.1.
Complete the online quiz in the Evaluate Module in Lesson 11.1.
Click on Box 3 Linear Functions
Complete the Overview (Pretest) Module for Lesson 11.1.
Complete the Explain Module for Lesson 11.1.
Complete the Apply Module for Lesson 11.1.
Complete the online homework 11.1.
Complete the online quiz in the Evaluate Module in Lesson 11.1.
Click on Box 4 Quadratic Functions
Complete the Overview (Pretest) Module for Lesson 11.1.
Complete the Explain Module for Lesson 11.1.
Complete the Apply Module for Lesson 11.1.
Complete the book homework for Lesson 11.1. (p 679 probs ending in 5 & 7’s); self-check work
Complete the online homework 11.1.
Complete the online quiz in the Evaluate Module in Lesson 11.1.

WEEK 14, November 23rd
Click on Box 5 The Algebra of Functions
Complete the Overview (Pretest) Module for Lesson 11.2.
Complete the Explain Module for Lesson 11.2.
Complete the Apply Module for Lesson 11.2.
Complete the online homework 11.2.
Complete the online quiz in the Evaluate Module in Lesson 11.2.
Click on Box 6 Inverse Functions
Complete the Overview (Pretest) Module for Lesson 11.2.
Complete the Explain Module for Lesson 11.2.
Complete the Apply Module for Lesson 11.2.
Complete the book homework for Lesson 11.2. (p 724 probs ending in 5 & 7’s); self-check work
Complete the online homework 11.2.
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 December 2nd

WEEK 15, November 30th
Click in Box J
Box one should be open intro to 12.0 Earthshaking Logs
Click on Box 2 12.1 Exponential Functions
Complete the Overview (Pretest) Module for Lesson 12.1.
Complete the Explain Module for Lesson 12.1.
Complete the Apply Module for Lesson 12.1.
Complete the book homework for Lesson 12.1. (p 757 probs ending in 5 & 7’s); self-check work
Complete the online homework 12.1.
Complete the online quiz in the Evaluate Module in Lesson 12.1.
Click on Box 3 12.2 Logarithmic Function
Complete the Overview (Pretest) Module for Lesson 12.2.
Complete the Explain Module for Lesson 12.2.
Complete the Apply Module for Lesson 12.2.
Complete the online homework 12.2.
Complete the online quiz in the Evaluate Module in Lesson 12.2.
Week 16th December 7th
___ Click on Box 5 12.3 Natural and Common Logs
___ Complete the Overview (Pretest) Module for Lesson 12.3 Natural and Common 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. (p 811 probs ending in 5 & 7’s); self-check work
___ Complete the online homework 12.3
___ 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, December 14th
___ Take Final exam by Wednesday the 16th.

Since email is the primary source of written communication with students, all registered CSI students get a college email account. Student e-mail addresses have the following format: 
<address>@eaglemail.csi.edu where <address> is a name selected by the student as a part of activating his/her account. Students activate their accounts and check their CSI e-mail online at http://eaglemail.csi.edu. Instructors and various offices send messages to these student accounts. Students must check their CSI e-mail accounts regularly to avoid missing important messages and deadlines. At the beginning of each semester free training sessions are offered to students who need help in using their accounts.