MATH 108

CLASS SYLLABUS
Fall 2008

Raymond Arp
Instructor
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MATH 108  
Class Syllabus

CLASS: Intermediate Algebra; 4 credits; Section M03  
Wednesday; 5:00 pm – 8:20 pm; MCCTR/ MINCC/ A22

KEY INFORMATION:  
Instructor: Raymond L. Arp, P.E.  
Email: rarp@csi.edu  

PREREQUISITE: Math 025/010 with at least a ‘C’ grade or CSI compass placement Algebra test score of 41-61.

COURSE GOAL: This course is designed for the student to build on the terminology, techniques, and the concepts of Algebra. Algebra is a mathematical language that provides tools for stating, simplifying, and picturing relationships. The ability to think analytically and solve problems is important in any profession and employers expect a college graduate to have said skills.

GRADING PRACTICES: Homework is assigned, and classroom reviewed and spot graded; weekly. Required problems are a multiple of 7: 1, 7, 14, 21, 28, 35, 42, 49, etc. Write legibly in pencil only, show work and circle the answer for credit. Staple only each section pages together, if necessary.

The benefit of doing homework will not only be in grasping the subject matter, but will be of assistance during unannounced review quizzes. A detailed solution must be shown for partial credit. Additionally, extra credit may be given, at ten points a problem, one from each set of exam chapters and due the class after said exam closing on tentative schedule.

<table>
<thead>
<tr>
<th>Homework and unannounced quizzes</th>
<th>15%</th>
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<tbody>
<tr>
<td>Four, 150 point, exams; each taken in the Testing Center</td>
<td>60%</td>
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<tr>
<td>One comprehensive, 2 hour, departmental final exam; given in classroom</td>
<td>25%</td>
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Standard grading scale applies: A (90-100%), B (80-89%), C (70-79%), etc; successful course completion is ≥ “C” grade. Incomplete and No Credit are grades that are available but not a recommended avenue to pursue.
EXAM POLICY:

- Chapter Tests are taken in the Testing Center. Testing Center hours are 11:00 am – 8:30 pm (M, T) and 8:00 am – 8:30 pm (W, TH) and 8:00 am – 5:00 pm (F). Please allow at least one to two hours. A picture ID is required to take any exam. No exceptions.
- All chapter exams are 30 questions, worth five points each, and have plenty of space to work out solutions.
- All work is to be done in pencil with the answer circled for full credit.
- Exams must be completed within one week after scheduled exam date on tentative calendar and by 5:00 pm.
- No exam retakes; extenuating circumstances will be reviewed. Please contact the instructor prior to scheduled exam.
- Four chapter exams will be graded, with the option of one exam score being exchanged with the class average.
- A comprehensive two hour final exam will be given in class. No make up final.
- Cheating on a quiz or exam will result in an automatic zero. Cheating of any kind or academic dishonesty will not be tolerated and may be grounds for dismissal.

LEARNING OBJECTIVES:

- Working knowledge of real numbers and exponents, equations and inequalities, graphing lines, solving linear systems, and problem solving.
- Working knowledge of factoring polynomials, absolute value, quadratic equations, complex numbers, and rational expressions.
- Working knowledge of problem solving with rational expressions, roots and radicals, rational exponents, and nonlinear equations.
- Working knowledge of quadratic inequalities, functions, algebra of functions.
- Working knowledge of exponential functions, logs and their properties, and application of logs.

CLASSROOM GUIDELINES:

- Attendance is critical if not essential for successful completion. The class schedule is an aggressive schedule. Statistically, those that attend class seem to grasp a given concept more effectively than those that do not attend.
- The student is responsible for dropping the class. Instructor cannot drop student because of lack of attendance.
- A 10-15 minute break will be given mid way through class.
- Follow directions. All forms of conduct must be ethical and professional.
- Electronic devices, such as cell phones and PDA’s need to be out of sight and silenced.
- Profanity, vulgarity, or insulting language will not be tolerated. Students not adhering to this rule will be dropped from class.
- Math textbook and a scientific calculator must be purchased by end of week one.
- Students must adhere to all applicable policies in the CSI catalog. Online at www.csi.edu
- CSI email is the primary source of written communication. Please check regularly.
- Disability Statement: Any students with a documented disability may be eligible for related accommodations. To determine eligibility contact Student Disability Services located on the 2nd floor of the CSI Taylor Building. Information is available at the Mini-Cassia center front desk.

- Students are strongly encouraged to fill out an “online” course evaluation
within the last two weeks of class. Said evaluation assists in continued improvement of course. Contents of evaluations are anonymous. Please give honest feedback. Ten points of extra credit will be given. Online evaluation at www.evaluation.csi.edu

• Be prepared, Be polite, and Be on time.

**SUGGESTIONS:**

• Always use a piece of paper to the “fullest”; front and back.
• Show all homework neatly completely and with all necessary steps; pencil must be used. Answers must be circled.
• Be organized. Have a 3-ring binder with tabs for organizing documents into handouts, class notes, homework, quizzes and exams.
• Ask questions until the concept is understood.
• Schedule time of at least eight (8) additional hours per week outside of class for preparing, studying concepts, and doing homework. This class covers a great deal of material. Three hours of studying on a Sunday is not as productive as three hours of paced study. Time management is important to school and employment success.
• Schedule time for math everyday. Keep up with the homework. Study effectively. Be honest with yourself. Develop a “can do” attitude toward Math. Listening and watching is not enough.
• Come to class prepared by reading the next scheduled section’s objectives. Reread section’s assignments after class; doing applicable examples and exercises. Math concepts must be practiced and practiced.
• A multifunctional scientific calculator is required. Note: A graphing calculator cannot be used on chapter exams.
• Math assistance:
  o Solution manual is available at the front desk.
  o Math videotapes and CD/DVD for Math 108 from the Mini-Cassia center front desk.
  o A math tutor will be available through the center Math Lab.
  o Form a study group of committed students with similar educational goals.

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Instructor                                         Student