Course Description: This survey course is designed for liberal arts and technical students. The course provides an opportunity to acquire an appreciation of the nature of mathematics and its relation to other aspects of our culture. The course is rigorous but not rigid. Core topics include critical thinking, problem solving, number systems, number theory, ratios, proportions, quadratic equations, functions, graphs, consumer math, financial management, metric measurement, set theory, and selected topics from geometry, probability and statistics.

Prerequisites: Math 025 with a grade of “C” or better or Math Placement Test. (Algebra 46 – 61)


Course Objectives: Students will demonstrate a working knowledge of material covered in the text book.

Outcomes Assessment: As part of departmental analysis of outcomes in this course and its place in the Mathematics program, student completion of the prerequisite, 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.

Grade Determination: 3 regular exams @ 100 points each
1 final exam @ 100 points

Students may replace 1 regular exam with their worksheet average.

360 - 400 points A
320 - 359 points B
280 - 319 points C
240 - 279 points D
0 - 239 points F

Class Attendance: Although attendance is not a factor in grade determination, each student is, of course responsible for any material covered and any assignments and announcements made in regularly scheduled class meetings.

Behavioral Policies: Refer to catalog pages 15-16 in the catalog. Turn off cell phones in class.

Miscellaneous: Anyone involved in cheating gets 0 points for that activity. Math help is available in Shields 207, Library, and peer tutoring. Allow time for homework completion. DVD in the library. Study groups. Scientific calculator.
Spring 2009  
MATH 123  
Berriochoa

(tentative)

Jan.  19  MLK Day (Holiday)
21  Intro Sect. 1.1 Inductive & Deductive Reasoning
23  Sect. 1.2 Estimation & Graphs
26  Sect. 1.3 Problem Solving
28  Sect. 2.1 Basic Set Concepts
30  Sect. 2.2 Venn Diagram & Subsets

Feb.  2  Sect. 2.3 Venn Diagram & Set Operations
4  Sect. 2.4 Operations & Diagrams with Three Sets
6  Sect. 2.5 Surveys and Cardinal Numbers
9  Exam 1
11  Review Sect. 4.1 Hindu-Arabic & positional systems
13  Sect. 4.2 Number Bases in Positional Systems

Mar.  2  Sect. 5.1 Prime & Composite Numbers
4  Sect. 5.7 Arithmetic & Geometric Sequences
6  Exam 2
9  Review Sect. 6.4 Ratios, Proportions & Variations
11  Sect. 6.6 Solving Quadratic Equations
13  Sect. 7.1 Graphing & Functions

Apr.  1  Sect. 8.1 Percent 8.2 Simple Inter.
3  Sect. 8.3 Compound Interest

May  1  Sect. 12.1 Samples, Freq. Dist.

6  Sect. 8.4 Annuity, Stocks, Bonds
8  Sect. 8.5 Installment Buying
10  Sect. 8.6 Home Ownership

15  Review

16 President’s Day (Holiday)
18  Sect. 5.2 Integers
20  Sect. 5.3 Rational Numbers
22  Sect. 5.4 Irrational Numbers
24  Sect. 5.5 Real Numbers & Properties

27  Sect. 9.1 Metric Length

20  Sect. 9.2 Metric Area & Volume
22  Sect. 9.3 Metric Weight & Temp.
24  Sect. 11.1 Counting Princ.
27  Sect. 11.2 Permutations
29  Sect. 11.3 Combinations

11 Final
12  *
13  *
14 Exams

16 Spring
18 ****
20 Break
Drop procedure:

It is the student’s responsibility to drop the course.

During the first two weeks of the term, a student may drop a course or completely withdraw without its being recorded on the student’s official transcript. After the first two weeks a “W” will be recorded in any course the student drops.

A student desiring to drop a course during the first two weeks of the term may do so on-line. In order to drop or completely withdraw after the first two weeks, the student must complete and submit a drop or complete withdrawal form to the Admissions and Records Office.

Note: No course may be dropped or withdrawn from after 75% of the course or twelve weeks of the term has elapsed, whichever is earlier.

CSI E-mail:

Since e-mail is the primary source of written communication with students, all registered CSI students get a college e-mail account. Student e-mail addresses have the following format: username@students.csi.edu. Students can check their CSI e-mail online at http://students.csi.edu. Instructors and various offices send messages to these 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.

On-line course evaluation statement:

To help instructors continually improve courses, students are strongly encouraged to go online to http://evaluation.csi.edu and complete anonymous evaluations which open two weeks before the end of the course and close the last day of class. When students enter the site, they find evaluations for their enrolled courses. Thank you for this valuable input!

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 Candida Mumford, cmumford@csi.edu. Refer to page 35 in the catalog.