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 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.

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 31 - 33 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.
Aug. 25 (Intro.) Sect. 1.1 Inductive & Deductive Reasoning  
27 Sect. 1.2 Estimation & Graphs  
29 Sect. 1.3 Problem Solving

Sept. 1 Labor Day (Holiday)  
3 Sect. 2.1 Basic Set Concepts  
5 Sect. 2.2 Venn Diagram & Subsets

8 Sect. 2.3 Venn Diagram & Set Operations  
10 Sect. 2.4 Operations & Diagrams with Three Sets  
12 Sect. 2.5 Surveys and Cardinal Numbers

15 Exam 1  
17 Review Sect. 4.1 Hindu-Arabic & positional systems  
19 Sect. 4.2 Number Bases in Positional Systems

22 Sect. 5.1 Prime & Composite Numbers  
24 Sect. 5.2 Integers  
26 Sect. 5.3 Rational Numbers  
29 Sect. 5.4 Irrational Numbers

Oct. 1 Sect. 5.5 Real Numbers & Properties  
3 Sect. 5.6 Exponents & Scientific Notation

6 Sect. 5.7 Arithmetic & Geometric Sequences  
8 Exam 2  
10 Review

13 Columbus Day (Holiday)  
15 Sect. 6.4 Ratios, Proportions & Variations  
17 Sect. 6.6 Solving Quadratic Equations

20 Sect. 7.1 Graphing & Functions  
22 Sect. 7.2 Linear Functions & Graphs  
24 Sect. 7.3 Systems of Linear Functions

Nov. 3 Sect. 8.1 Percent 8.2 Simple Inter.  
29 Sect. 7.6 Quadratic Functions

31 Sect. 8.6 Home Ownership

10 Exam 3

14 Review

17 Sect. 9.1 Metric Length  
19 Sect. 9.2 Metric Area & Volume

21 Sect. 9.3 Metric Weight & Temp.

24 Sect. 11.1 Counting Princ.  
26 Thanksgiving  
28 Vacation

Dec. 1 Sect. 11.2 Permutations

8 Sect. 12.2 Measure Central Tend.  
10 Sect. 12.3 Measure Dispersion

12 Sect. 12.4 Normal Distribution

15 Final

16 *  
17 *

18 Exams
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.