

Course Objectives/Course Outline
Spokane Community College

Course Title: Introduction to Texas Instrument Calculators

Prefix and Course Number: MATH 30

Course Learning Outcomes:

By the end of this course, a student should be able to:

- Carry out advanced arithmetic operations.
- Graph linear and non-linear equations.
- Manipulate and interpret graphs.
- Find equations using regression.

Course Outline:

- I. Computations
 - A. Accessing needed function keys
 - B. Advanced order of operations
 - C. Assigning variables
 - D. Editing
- II. Graphing
 - A. Graphing linear and non-linear equations
 - B. Changing the viewing window
 - C. Tracing
 - D. Using calculators menus
 - E. Discovering anomalies (asymptotes, discontinuities, etc.)
- III. Advanced Topics
 - A. Regression
 - B. Solving equations graphically