

Spokane Falls Community College
COURSE LEARNING OUTCOMES

Prefix and Course Number: Math 300
Course Title: Mathematics Modeling for Applied Science
Version Date: 04/12/2019

Course Learning Outcomes

Upon successful completion of the course, the student will be able to:

1. Apply ratios, percentages and dimensional analysis to practical problems in business and technology.
2. Evaluate linear and exponential growth in business and technology situations.
3. Justify statistical conclusions using graphing and descriptive statistics from a set of data.
4. Analyze different methods of borrowing and financing and justify decisions about investments and loans.
5. Construct and apply basic probabilistic concepts to solutions of business and technology problems.
6. Construct a persuasive written mathematical argument for a number of real life case studies in business and technology.