

Name:
Course:
Level:

Quantitative Skills used in this course:

<input type="checkbox"/> Convert Units	<input type="checkbox"/> Data Analysis
<input type="checkbox"/> Scientific Notation	<input type="checkbox"/> Design of experiments
<input type="checkbox"/> Slopes of lines	<input type="checkbox"/> Sampling
<input type="checkbox"/> Pythagorean Theorem	<input type="checkbox"/> Hypothesis testing
<input type="checkbox"/> Area and volume of simple regions	<input type="checkbox"/> Probability
<input type="checkbox"/> Triangle Trigonometry	<input type="checkbox"/> Distributions
<input type="checkbox"/> Trigonometric functions	<input type="checkbox"/> Random Variables
<input type="checkbox"/> Manipulating Exponents	<input type="checkbox"/> Curve Fitting
<input type="checkbox"/> Logarithms	<input type="checkbox"/> Regression
	<input type="checkbox"/> Analysis of Variance
<input type="checkbox"/> Derivative: slope	<input type="checkbox"/> Waves: wavelength, period, amplitude
<input type="checkbox"/> Derivative: error analysis	<input type="checkbox"/> Mechanical Systems, Oscillators
<input type="checkbox"/> Derivative: rate	<input type="checkbox"/> Differential Equations
<input type="checkbox"/> Integral: area, volume	<input type="checkbox"/> Systems of ODEs
<input type="checkbox"/> Integral: accumulation of small changes	
<input type="checkbox"/> Log-Linear and Log-Log plots	<input type="checkbox"/> Partial Differential Equations
<input type="checkbox"/> Exponential growth/decay	<input type="checkbox"/> Fourier Series/Transforms
<input type="checkbox"/> Approximations of functions	<input type="checkbox"/> Spectral analysis
<input type="checkbox"/> Vectors	
<input type="checkbox"/> Partial Derivatives	<input type="checkbox"/> Newton's laws
<input type="checkbox"/> Gradients	<input type="checkbox"/> Force, Work, Energy, Power
<input type="checkbox"/> Level sets, contours, and surfaces	<input type="checkbox"/> Elementary programming
<input type="checkbox"/> Vector fields, Flux, Divergence	<input type="checkbox"/> Mathematical software
<input type="checkbox"/> Coordinate Systems	<input type="checkbox"/> Spreadsheets
<input type="checkbox"/> Systems of equations	<input type="checkbox"/>
<input type="checkbox"/> Linear Transformations	<input type="checkbox"/>
<input type="checkbox"/> Matrices	<input type="checkbox"/>
<input type="checkbox"/> Eigenvalues and eigenvectors	<input type="checkbox"/>