Modern biology depends heavily on quantitative (number) data.

During this course, you need to be able to:

1. Add, subtract, multiply and divide.
2. Calculate means, percentages and ratios using decimals and fractions
3. Represent and interpret data in the form of bar charts, graphs and histograms
4. Plot graphs with suitable scales and labeled axes for two variables that show linear and nonlinear relationships.

1. Plot and interpret scatter graphs to identify a correlation between two variables, understanding that correlation does not equal cause.

1. Determine the mode and median of a set of data and calculate and analyze the standard deviation.

1. Select the appropriate statistical test to analyze data and interpret the results.