GEOL 315 Checklist

The following skills are recommended for GEOL 315 – Vertebrate Paleontology. Choose your textbook from the dropdown menu

Once you have chosen the textbook, click on the words “study plan”. Expand the Chapter + to see the individual sections. For each section below, start by watching the section video then proceed to exercises. If you need help with an exercise, you can click on the menu to the right of the exercise for help, to read the related section of the textbook, or to see additional examples.


☐ Chapter O - Orientation Questions for Students

☐ Chapter 1 – Data Collection
  Sec 1.1 Introduction to Statistics
  Sec 1.2 Observational Studies vs. Designed Experiments
  Sec 1.3 Simple Random Sampling
  Sec 1.4 Other Sampling Methods
  Sec 1.5 Bias in Sampling
  Sec 1.6 Design of Experiments

☐ Chapter 2 – Organizing and Summarizing Data
  Sec 2.1 Organizing Qualitative Data
  Sec 2.2 Organizing Quantitative Data: Popular Displays
  Sec 2.3 Additional Displays of Quantitative Data
  Sec 2.4 Misrepresentations of Data

☐ Chapter 3 – Numerically Summarizing Data
  Sec 3.1 Measures of Central Tendency
  Sec 3.2 Measures of Dispersion
  Sec 3.3 Measures from Grouped Data
  Sec 3.4 Measures of Position and Outliers
  Sec 3.5 Five Number Summary and Boxplots

☐ Chapter 4 – Describing the Relation between Two Variables
  Sec 4.1 Scatter Diagrams and Correlation
  Sec 4.2 Least Squares Regression
  Sec 4.3 Diagnostics on the Least Squares Regression Line