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.

Textbook: **Sullivan: Statistics: Informed Decisions Using Data, 3e**

☐	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