**Laboratory Learning Outcomes and Objectives**

**Laboratory 1: SYSTEMATICS, TAXONOMY & PHYLOGENY: CLASSIFYING AND NAMING ORGANISMS**

*After completion of this laboratory session, and with 70% accuracy on the first laboratory quiz, the student should be able to:*

1. List the taxonomic levels from the broadest to the most specific.
2. Explain the degree of similarity and difference between organisms classified in a taxonomic table.
3. Identify animals/plants through the use of a dichotomous key.
4. Develop a dichotomous key to distinguish geometric figures and/or classmates and/or beans given specific characters
5. Understand phylogeny and the tools used to study the evolutionary history of organisms
6. Answer the review questions at the end of the exercises