**Laboratory Learning Outcomes and Objectives**

**Laboratory 6: ZOOLOGY PART I: KINGDOM ANIMALIA - LOWER INVERTEBRATES**

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

1. Describe the characteristic features of Kingdom Animalia
2. Explain the features and criteria for animal classification: level of organization, body symmetry, body cavity, embryological development, segmentation
3. Describe the distinguishing features of members of the phyla Porifera and Cnidaria
4. Describe the body forms of cnidarians
5. Describe reproduction of those species alternating between polyps and medusa
6. Compare the feeding methods of sponges and jellyfish
7. Describe the general morphology of flatworms
8. List characteristics that phylum Platyhelminthes has in common with phyla Porifera and Cnidaria
9. List characteristics of flatworms that are more advanced than those of more primitive phyla
10. List examples of each major class of flatworm.
11. Answer the review questions at the end of the exercises