PLBI 327

- Define macroevolution
- Describe speciation and the general mechanisms by which plant speciation is thought to occur
- Compare and contrast the general principles by which taxonomic lineages are classified
- Describe the techniques used in inferring phylogenies based on morphological data
- Identify the morphological adaptations that allow for life on land
- Discuss the increased development of the sporophyte and why it might be advantageous
- Discuss the advantages and disadvantages of separated sexes
- Describe the trends in the evolution of vascular plants; e.g., differentiate between protostele, siphonostele and eustele
- Identify major types of fruit and inflorescence structures of flowering plants
- Construct a dichotomous key for a small collection of plant specimens