Final Exam Study Guide

Be familiar with the following 5 topics and subtopics for the exam. The exam will be worth 50 points and may be some mix of either short answer or multiple choice questions.

**Ethnobotanical Plant Profiles** (15 pts on the exam)
Use your in-class notes, hallway posters, and the outlines and PowerPoints posted on the course website to familiarize yourself with the taxonomy, morphology, cultural significance and uses of aloe, bananas, and the coconut palm.

**Biological Classification & Naming** (10 pts on the exam)
Use your in-class notes and the PowerPoint posted on the course website to familiarize yourself with the science of taxonomy, its produces and of its rules for plant scientific classification and naming. Be able to apply the rules to hypothetical scenarios, recognize correct and incorrect names, and be able to explain why these rules, classifications and names are they are important to the ethnobotanist / economic botanist.

**Fieldwork, Herbaria and Herbarium Specimens** (10 pts on the exam)
Use your in-class notes, experience, and articles cited on the course website to answer the following:

- What are herbaria and why are they important to the ethnobotanist / economic botanist?
- What is a plant press and why and how are they used?
- What is a herbarium specimen, what is a voucher specimen, how is one made, and how are they used?
- How does Nguyen (2005) justify the preparing of herbarium specimens? What are some modifications to standard methods of making herbarium specimens that Nguyen discusses for fruits and bulky produce items?

**Research Ethics of Conducting Ethnobotanical Research** (5 pts on the exam)
Use Vandebroek (2017) and your memory and notes from our group discussion to outline the principles of conducting ethical research on plants and their uses by people.

**Medicinal Plants** (10 pts on the exam)
Use the study guide, reading assignment, and PowerPoint posted on the course website to explain the basic principles and provide some examples of the use and discovery of plants and their chemicals as medicine.