

# Ethnobotany Graduate (MS/PhD) Proficiencies for the Department of Botany

## Courses for Demonstration of Proficiency <sup>α</sup>

A student's committee may proscribe additional activities to attain desired proficiency however, the track consists of two parts: 1) General proficiencies expected of all Department of Botany graduate students and 2) Ethnobotany Track proficiencies expected of Department of Botany graduate students focusing on ethnobotany. Equivalent courses taken at other institutions may be considered as meeting the proficiency requirements. [ ] = Enter Semester/Year completed

## General Botany Proficiencies

- [ ] **Plant Diversity**,  
BOT 201 (Plant Evolutionary Diversity)
- [ ] **Evolution / Genetics**, (one course)  
BIOL 375 (Concepts in Genetics)  
BOT 462 (Plant Evolution)
- [ ] **Ecology**, (one relevant 400-600 level course)  
BOT 453 (Plant Ecology and Environmental Measurements)  
BOT 454 (Vegetation Ecology)
- [ ] **Professional Presentations**, (BOT 610 taken 1-2 times with 1-2 presentations and/or presentation of research in a major scientific meeting and/or major seminars to the department or other campus organizations. Proposal and defense seminars may not be used for this requirement.)  
BOT 610 (Botanical Seminar)
- [ ] **Fall Botany Fundamentals for Graduate Students**  
BOT 612 (Topics in Botany)
- [ ] **Spring Botany Fundamentals for Graduate Students**  
BOT 612 (Topics in Botany)

## Ethnobotany Track Proficiencies

- [ ] **Biogeography**, (one relevant course)  
ZOO 485 (Biogeography)                              BIOL or GEOG courses that are applicable
- [ ] **Ethnobotany**, (one <sup>β</sup> relevant 400-600 level courses in ethnobotany or hui konohiki)  
BIOL 410 (Human Role in Environmental Change)      BOT 448 (Cognitive Ethnobotany)  
BOT 440 (Advanced Ethnobotany)                      BOT 457 (Hawaiian Ecosystems)  
BIOL 440 (Psychoactive Drug Plants)                BOT 458 (Natural Resource Issues & Ethics)  
BOT 442 (Medical Ethnobotany)                      BOT 459 (Strategies in Hawaiian Resource Management)  
BOT 444 (Ecological Ethnobotany)                   BOT 640 (Quantitative Ethnobotany)  
BOT 446 (Hawaiian Ethnobotany)                    BOT 644 (Ethnoecology Methods)
- [ ] **Systematics of appropriate group**, (a relevant 400-600 level course that supports the research to be conducted as part of the MS or PhD degree)  
BOT 430 (Mycology)                                    BOT 480 (Algal Diversity and Evolution)  
BOT 461 (Systematics of Vascular Plants)            BOT 661 (Hawaiian Vascular Plants)
- [ ] **Social Science**, (one relevant course)  
ANTH, GEOG, HWST, PACS, or other social science approved by committee
- [ ] **Advanced Technique** <sup>γ</sup> (one or more of the following approved by graduate committee)  
Fluency in language used in research study (not English)  
Scientific tool development (statistics, field methods, laboratory methods, GIS, etc.)

<sup>α</sup> Proficiency can be demonstrated by passing a scheduled proficiency exam, satisfactorily completing appropriate curriculum, or by demonstrating other relevant experience. Laboratory courses are to be taken with lecture courses, except BIOL 375. Graduate courses must carry at least 2 credits to demonstrate proficiency in a subject.

<sup>β</sup> Most ethnobotany track graduate students should expect to take more than one ethnobotany course. The specific details are decided in consultation with the major advisor and committee.

<sup>γ</sup> Most ethnobotany track graduate students should expect to learn both the language of the community in which their research takes place and one or more scientific tools used for conducting research and analyzing research results.