

Plant Biology Graduate Group
Advising Checklist - Systematics and Evolutionary Biology

Student: _____

Entry Date: _____

Major Professor: _____

Phone #: _____

Academic Adviser: _____

Guidance Committee Member: _____

Undergraduate Preparation:

- ___ Introductory Biology, 3-Qtrs/2-Sem
- ___ Inorganic Chemistry, 3-Qtrs/2-Sem
- ___ Organic Chemistry, 2-Qtrs/2-Sem
- ___ Introductory Physics, 2-Qtrs/2-Sem
- ___ Biochemistry, 2-Qtrs/1-Sem
- ___ Calculus, 2-Qtrs/1-Sem
- ___ Introductory Statistics, 1-Qtr/1-Sem
- ___ Genetics, 1-Qtr/1-Sem
- ___ Intro. Plant Physiology 1-Qtr/1-Sem
- ___ Cell & Mol. Biology, 1-Qtr/1-Sem
- ___ Ecol., Systematics & Evolution, 1-Qtr/1-Sem
- ___ Plant Development & Structure, 1-Qtr/1-Sem

UCD Equivalent:

- BIS 2A, 2B, and 2C
- Chemistry 2A, 2B, and 2C
- Chemistry 8A and 8B
- Physics 7A and 7B
- BIS 102 and BIS 103
- Mathematics (MAT) 16A and 16B
- Statistics (STA) 100 or PLS 120
- BIS 101
- PLB 111 or PLB 112
- PLB 113 or BIS 104
- EVE 100, 140 or 141 or PLB 108, or 117
- PLB 105 or PLB 116

Core and breadth requirements:

- ___ Plant Biology 200A, 200B, 200C – Core courses for PBGG taken during the first year
- ___ Plant Biology 292 – First year student journal club – taken every quarter offered during the first year
- ___ Plant Biology 290B – Friday afternoon listening seminar – taken every quarter during the first two years
- ___ Plant Biology 291 – Tuesday afternoon listening seminar – taken F/W/S of first year, W/S of second year
- ___ Plant Biology 290A -- Seminar discussion course – taken every quarter during the second year

Specialization requirements (at least 2 courses at the graduate level):

M.S. Plan I: Minimum of two courses (totaling at least 6 units) from list below:

M.S. Plan II: Minimum of three courses (at least 9 units) from list below:

Ph.D.: Either three courses from the list below OR two courses from the list below and one course from another area of specialization approved by the guidance committee (courses total at least 9 units)

ECL 200A: Principles of Ecology (F, 5)	GGG 210: Horizontal Gene Transfer (F, 3)
ECL 200B: Principles of Ecology (W, 5)	PBG: 200A: Principles of Population Biology (F, 5)
ECL 206: Plant Community Ecology (F, E, 4)	PBG: 200C: Principles of Population Biology (S, 6)
ENH 105: Taxonomy & Ecology of Environmental Plant Families (S, 4)	PLB 108: Angiosperm Systematics (S, O, 3)
ENH 150: Conservation Genetics (S, 3)	PLB 119: Population Biology of Weeds (S, O, 3)
EVE 140: Paleobotany (W, O, 4)	PLB 143: Evolution of Crop Plants (S, 4)
EVE 141: Principles of Systematics (S, E, 3)	PLB/PLP 148: Introductory Mycology (F, 4)
EVE 149: Evolution of Ecological Systems (F, E, 4)	PLS 102: California Floristics (S, 4)
EVE 210: Molecular Phylogenetic Analysis (F, O, 3)	PLS 141: Ethnobotany (W, O, 4)
GGG 201D: Quantitative & Population Genetics (W, 5)	

Key: Course in bold is offered every other year with E and O designating odd or even quarter when taught. F, W, S= Fall, Winter and Spring quarter when course offered. Number indicates unit value of course.

Other courses may be substituted with the approval of the guidance committee/academic adviser.

REV: 11-2016