Plant Biology Graduate Group
Advising Checklist - Environmental and Integrative Biology

Student: _____ Entry Date: _____

Major Professor: _____ Phone #: _____

Academic Adviser: _____ Guidance Committee Member: _____

Undergraduate Preparation:	**UCD Equivalent:**
___ Introductory Biology, 3-Qtrs/2-Sem	BIS 2A, 2B, and 2C
___ Inorganic Chemistry, 3-Qtrs/2-Sem	Chemistry 2A, 2B, and 2C
___ Organic Chemistry, 2-Qtrs/2-Sem	Chemistry 8A and 8B
___ Introductory Physics, 2-Qtrs/2-Sem	Physics 7A and 7B
___ Biochemistry, 2-Qtrs/1-Sem	BIS 102 and BIS 103
___ Calculus, 2-Qtrs/1-Sem	Mathematics (MAT) 16A and 16B
___ Introductory Statistics, 1-Qtr/1-Sem	Statistics (STA) 100 or PLS 120
___ Genetics, 1-Qtr/1-Sem	BIS 101
___ Intro. Plant Physiology 1-Qtr/1-Sem	PLB 111 or PLB 112
___ Cell & Mol. Biology, 1-Qtr/1-Sem	PLB 113 or BIS 104
___ Ecol., Systematics & Evolution, 1-Qtr/1-Sem	EVE 100, 140 or 141 or PLB 108, or 117
___ Plant Development & Structure, 1-Qtr/1-Sem	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)

ATM 133: Biometerology (W, 4)	**PLS 157: Physiol. Environ. Stresses in Plants (W, O, 4)**
ATM 223: Advanced Boundary Layer Meterology (S, E, 3)	**PLS 158: Mineral Nutrition of Plants (S, O, 4)**
ECL 200A: Principles of Ecology (F, 5)	**PLS 162: Urban Ecology (W, E, 3)**
ECL 200B: Principles of Ecology (F, 5)	PLS 173: Molec. & Cellular Aspects of Postharvest Biology (S, 3)
ECL 206: Plant Community Ecology	PLS 205: Design, Analysis, and Interpretation of Experiments (W, 5)
ECL 216: Ecology & Agriculture (F, E, 3)	PLS 206: Applied Multivariate Modeling (F, 4)
HRT 203: Research Perspectives in Horticulture (W, 3)	**PLS 212: Postharvest Biology of Fruits & Nuts (S, E, 3)**
HRT 251: Modeling Horticultural Systems (W, 4)	PLS 213: Postharvest Physiology of Vegetables (S, 3)
HYD 124: Plant-Water-Soil Relationships (S, 4)	PLS 222: Advanced Plant Breeding (S, 4)
PBI 210: Plant Ecophysiology (W, E, 3)	SSC 109: Sustainable Nutrient Management (S, 4)
PLB/EVE 117: Plant Ecology (F, 4)	**SSC 208: Soil-Plant Interrelationships (W, O, 3)**
PLB 119: Population Biology of Weeds (S, O, 3)	**VEN 210: Grape Development & Composition (S, O, 4)**
PLB 143: Evolution of Crop Plants (S, 4)	

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