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
___ 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

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)

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