

Plant Propagation
PBIO 305 Call # 07175
 4 Credit Hours
 Winter Quarter 2006

Instructor: Harold W. Blazier
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Office Hours: By appointment
Assistant: Aaron Mather (mathera@ohio.edu)

Schedule: Tuesday 3:10 - 5:00 Porter Hall 301
 Thursday 2:10 – 5:00 Porter Hall 301
 A Saturday (all day) trip to Columbus, OH

Overview: Course will cover information with regard to various aspects and procedures as they relate to the field of horticulture. These may include topics such as the following: pest and disease diagnostics and control, sexual and asexual propagation methods, greenhouse structure and equipment selection and use, planting media and hard goods selection and use, chemical handling and responsibility and safety, various methods of growing and caring for certain selected plants, identification and information of some of the more typical plants used in horticulture, and so forth. Students will also be required to present information, in a prescribed format to the class, on an approved topic as it relates to horticulture.

Format: Lecture / Lab / Field Trip

Text: none required

Grading: quizzes, mid-term, presentation, presentation participation, final exam

Grading					total
quiz scores	18	18	18	18	72
mid-term					60
Presentation					30
Presentation participation					5
Final					78
Total Possible Points					245

Grade Cutoffs:

A 93-100%, A- 90-92%, B+ 87-89%, B 83-86%, B- 80-82%,
C+ 77-79%, etc.

Quizzes: Information obtained from Plant ID segment of class.

Plant ID: Identification and general information about a few specific plants important to the field of horticulture. May include - scientific name, common name, care, uses, economics, etc. (15 per week)

Presentation: 15 minute, topic relating to the field of horticulture, topic must be approved by instructor (research, procedures, innovations, marketing, etc.) Print out (of slides, notes, script), copy of references cited, or a disk must be turned in to instructor immediately following presentation, these may not be returned.

Saturday field trip:

wholesale nursery (woody ornamentals)
retail grower (greenhouse & garden center)
OSU Horticulture and Crop Sciences (research greenhouse)
OSU Biological Sciences Department (research and teaching collections)

Attendance: While not formally taken, attendance is expected at each class meeting. Missed quizzes and tests may be made up only with adequate proof of a legitimate absence as defined by Ohio University policy.

Academic: Academic dishonesty (cheating, plagiarism, etc.) on a quiz, exam or assignment will result in failure of the course and referral to the Office of University Judiciaries.

Final Exam: Wednesday, **March 15th**, 2:30 – 4:30, Porter Hall 301

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	<u>Tuesday</u> 3:10-5:00	<u>Thursday</u> 2:10-5:00
<u>Week 1</u> Jan. 03 Jan. 05	course outline & introduction horticulture terminology plant ID	asexual propagation (Part 1) plant layering lecture air-layering lab
<u>Week 2</u> Jan. 10 Jan. 12	greenhouse buildings, structures, equipment & uses plant ID	commercial tissue culture (field trip)
<u>Week 3</u> Jan. 17 Jan. 19	watering, repotting, general plant care & maintenance plant ID QUIZ #1	soiless media, components, uses, etc. hydroponics lecture hydroponics lab
<u>Week 4</u> Jan. 24 Jan. 26	greenhouse construction (field trip / first hour) plant ID	sexual propagation by seed seeding lab
<u>Week 5</u> Jan. 31 Feb. 02	diagnostics – pests & pathogens plant ID QUIZ #2	pests & pathogens con't. propagation by spores spore sowing lab

<p><u>Week 6</u> Feb. 07 Feb. 09</p>	<p>MID-TERM TEST plant ID</p>	<p>asexual propagation (Part 2) cuttings lab</p>
<p><u>Week 7</u> Feb. 14 Feb. 16</p>	<p>plant grafting lecture plant ID QUIZ #3</p>	<p>commercial greenhouse (field trip, tentative)</p>
<p><u>Week 8</u> Feb. 21 Feb. 23</p>	<p>woody ornamentals (guest speaker) plant ID</p>	<p>commercial greenhouse (field trip, tentative)</p>
<p><u>Week 9</u> Feb. 28 Mar. 02</p>	<p>MSDS, REI's, PPE's, chemical labels, etc. QUIZ #4 plant ID</p>	<p>commercial greenhouse (field trip, tentative)</p>
<p><u>Week 10</u> Mar. 07 Mar. 09</p>	<p>finish air-layering lab and other misc. ** meet at dept. greenhouse ** plant ID</p>	<p>student presentations</p>

Saturday Field Trip -

tentatively scheduled February 25th
(alternate date will be February 18th)