Advanced Plant Propagation
2014
(PLS 5222, 3 credits)

Graduate Course Syllabus

Course Instructors:
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Associate Professor
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Teaching Assistant: Ellen Cochrane (e.cochrane@ufl.edu)

Prerequisite:
BOT 2010C or BSC 2010

Course Textbook:
Hartmann, Kester, Davies, and Geneve, 2011. Hartmann and
Kester’s Plant Propagation: Principles and Practices. Eighth edi-

Plant Propagation Lectures and Videos
Available online at http://irrecenvhort.ifas.ufl.edu or http://
ltss.at.ufl.edu

Course Description:
The lecture component of this course is completely web based.
Corresponding labs will be taught on site at the respective campuses.
All aspects of plant propagation will be studied that include methods of
propagating by seeds, bulbs, divisions, layers, cuttings, budding,
grafting, and micropropagation. The timing, technique, and material
for making cuttings, environmental conditions, and media requirements
for rooting cuttings of ornamental plants, fruit trees, shrubs, and flow-
ering plants will be studied. Various propagation structures, soils,
and fertilizer requirements will be considered. Emphasis is placed on
the basic principles of plant propagation to provide an adequate back-
ground in the areas of agronomy, horticulture, forestry, and other dis-
ciplines of plant science.

Office Hours:
Drs. Wilson and Thetford will be available online, in person or by
phone. Feel free to make an appointment with the instructor at a
specific time if necessary.

Participating sites: WFREC, IR-
REC, MFREC, FLREC, Plant City,
Gainesville

Course Schedule: See separate
semester timeline
Course Objectives: Upon completion of this course students should have:

1. a comprehensive knowledge of the science of plant propagation including the effects of plant physiological reactions, anatomical structure, and environmental influences on material used in plant propagation.

2. skill in the art of plant propagation by seeds and vegetative organs.

3. demonstrated critical thinking through class discussions, outside reading assignments, outside projects, and field practice.

4. a vocabulary of plant propagation terminology and its proper use orally and in writing

5. an interest, understanding, and appreciation of the principles and techniques of plant propagation.

Useful Readings:


Attendance and Participation Policy:

Students are encouraged to attend field trips, when applicable. Exams will be administered at each site before or after designated lab time. There will be no make up exams or assignments unless extreme circumstances are pre-approved by the instructor.

Student Evaluation:

Grades will be based on performance of the following:

Two 1-hr exams @ 20% each..............40% (multiple choice, short answer, true/false, matching)

Homework assignments (4)...............10% (E-learning exercises and quizzes)

Final comprehensive exam..............15% (multiple choice, short answer, true/false, matching, essay)

Special graduate project
(to be determined at each site).........10%

Lab component (on site)...............25%

Grading Policy:

Final grades will be based on the following scale:

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<tr>
<th>Percentage</th>
<th>Grade</th>
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<tbody>
<tr>
<td>94-100%</td>
<td>A</td>
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<tr>
<td>90-93%</td>
<td>A-</td>
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<tr>
<td>87-89%</td>
<td>B+</td>
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<tr>
<td>83-86%</td>
<td>B</td>
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<tr>
<td>80-82%</td>
<td>B-</td>
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<td>77-79%</td>
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<td>73-76%</td>
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<td>70-72%</td>
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Please feel free to stop by, call or email to discuss your grades with the instructor anytime.
Academic Honesty:

In 1995 the UF student body enacted an honor code and voluntarily committed itself to the highest standards of honesty and integrity. When students enroll at the University, they commit themselves to the standard drafted and enacted by students.

In adopting this Honor Code, the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the University community. Students who enroll at the University commit to holding themselves and their peers to the high standard of honor required by the Honor Code. Any individual who becomes aware of a violation of the Honor Code is bound by honor to take corrective action. Student and faculty support are crucial to the success of the Honor Code. The quality of a University of Florida education is dependent upon the community acceptance and enforcement of the Honor Code.

The Honor Pledge: We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code.

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment." (source: 2011-2012 UF Undergraduate Catalog http://www.dso.ufl.edu/sccr/honorcodes/honorcode.php)

It is assumed that you will complete all work independently in each course unless the instructor provides explicit permission for you to collaborate on course tasks (e.g. assignments, papers, quizzes, exams).

Furthermore, as part of your obligation to uphold the Honor Code, you should report any condition that facilitates academic misconduct to appropriate personnel. It is your individual responsibility to know and comply with all university policies and procedures regarding academic integrity and the Student Honor Code. Violations of the Honor Code at the University of Florida will not be tolerated. Violations will be reported to the Dean of Students Office for consideration of disciplinary action. For more information regarding the Student Honor Code, please see: http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code.

Software Use:

All faculty, staff, and students of the University are required and expected to obey the laws and legal agreements governing software use. Failure to do so can lead to monetary damages and/or criminal penalties for the individual violator. Because such violations are also against University policies and rules, disciplinary action will be taken as appropriate.

Online Course Evaluation Process:

Student assessment of instruction is an important part of efforts to improve teaching and learning. At the end of the semester, students will have the opportunity to provide feedback on the quality of instruction in this course using a standard set of university and college criteria. These evaluations are conducted online at https://evaluations.ufl.edu. Evaluations are typically open for students to complete during the last two or three weeks of the semester; students will be notified of the specific times when they are open. It is expected that you will contribute your feedback for this course and the others in which you are enrolled this term. Summary results of these assessments are available to students at https://evaluations.ufl.edu/results
Campus Helping Resources:

Students experiencing crisis or personal problems that interfere with their general wellbeing are encouraged to utilize the university’s counseling resources. The Counseling & Wellness Center provides confidential counseling services at no cost for currently enrolled students. Resources are available for students having personal problems or lacking clear career and academic goals, which interfere with their academic performance.

- University Counseling and Wellness Center, 3190 Radio Road, Gainesville, (352)392-1575, www.counseling.ufl.edu/cwc/
  Counseling Services
  Groups and Workshops
  Outreach and Consultation
  Self-Help Library
  Training Programs
  Community Provider Database

- The Career Resource Center, First Floor J. Wayne Reitz Union, Gainesville, (352) 392-1601 www crc.ufl.edu/

Students with Disabilities:

The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes the registration of disabilities, academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services, and mediating faculty-student disability related issues.

Disability Resource Center, 0001 Reid Hall, Gainesville, (352) 392-8565, www.dso.ufl.edu/drc/