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Course Websites:
http://irrecenvhort.ifas.ufl.edu
E-learning Website:
http://lss.at.ufl.edu
Gatorlink Login:
http://www.gatorlink.ufl.edu
UF Computing Help Desk:
http://helpdesk.ufl.edu/self-help/

Course Instructors:
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E-mail: klock@ufl.edu

Corequisite:
Enrollment in PLS 3223/5222C

Lab materials:
Plant Propagation Lab examples with brief Lectures and Videos available on the Labs Tab of the Course Website.

Office Hours:
Faculty are available online, in person or by phone. Feel free to make an appointment with the instructor at a specific time if necessary.

Meeting Times and Locations:
Varies with location - see local coordinator to confirm.

Lab Description:
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 various plants will be studied. Propagation structures, soils, and fertilizer requirements will be reviewed. Emphasis is placed on applying the basic principles of plant propagation during hands-on laboratory procedures.

Labs will be coordinated with concepts learned in lecture although topics may not be covered in the same sequence as presented in lecture. Activities may be scheduled to accommodate the time necessary to observe plant responses to horticultural applications or techniques.
Lab Objectives:
1. To understand experimental design, procedures and data interpretation related to plant propagation studies.
2. To develop a level of skill in the art of plant propagation by seeds and vegetative organs.
3. To develop confidence in data collection and written and oral presentation of results.
4. To stimulate critical thinking through discussions, outside reading assignments, outside projects, and field practice.
5. To develop a vocabulary of plant propagation terminology and its proper use orally and in writing.
6. To encourage an interest, understanding, and appreciation of the principles and techniques of plant propagation.

Usefull Readings:

Attendance and Participation Policy:

ABSENCES AND MAKE-UP WORK— Requirements for attendance and make-up exams, assignments and other work are consistent with university policies that can be found at: https://catalog.ufl.edu/ugrad/current/regulations/info/attendance.aspx.

Students are expected to participate in all lab assignments. If you miss a lab, you are responsible for getting the necessary material that was covered. Participation may be a deciding factor in determining borderline grades. There will be no make up labs. Most labs require significant preparation for materials to be at an appropriate state for the assigned activity and cannot be provided early or after the assigned lab time. Each day an assignment is late, its value will be reduced by 5%. 

**ASSESSMENT AND GRADING:**
For information on current UF policies for assigning grade points, see https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx

Lab assignments will be scheduled and administered at the local site by the local instructor. Example laboratory activities posted on the course website may differ from those assigned by the instructor at your site. Presentations, and lab notebook content will be coordinated by the local instructor on the basis of lab activities.

| Oral presentations | 30% |
| Lab notebook       | 30% |
| Final lab practical| 40% |
| **Total**          | **100%** |

**Potential Lab Topics:**
- Propagation Facilities, potting materials, substrates, and environmental management systems.
- Cutting propagation techniques—how to collect, store and prepare different types of cuttings; evaluation of propagation substrates, evaluation of rooting hormones.
- Controlled pollination, Fern spore germination.
- Seeds: collection, extraction, cleaning, viability, scarification, stratification, and effects of planting methods or seed treatments on germination.
- Propagation by specialized stems and roots.
- Layering and its modifications.
- Introduction to Tissue Culture facilities, techniques, practices.
- Grafting and budding techniques.

**Grading Policy:**
Final grades will be based on the following scale:

- 94-100%   A
- 90-93%    A-
- 87-89%    B+
- 83-86%    B
- 80-82%    B-
- 77-79%    C+
- 73-76%    C
- 70-72%    C-
- 67-69%    D+
- 63-66%    D
- 60-62%    D-
- ≤59%      E

**ACADEMIC HONESTY**
As a student at the University of Florida, you have committed yourself to uphold the Honor Code, which includes the following 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.” You are expected to exhibit behavior consistent with this commitment to the UF academic community, and on all work submitted for credit 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."

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/honorcodes/honorcode.php.
**Computer Requirement:** Access to and on-going use of a computer are required of all students to complete their degree programs successfully. The university expects each student entering the university and continuing students to acquire computer hardware and software appropriate to the degree program. Competency in the basic use of a computer is a requirement for graduation (www.circa.ufl.edu/computers).

**E-learning technical support,** 352 392-4357 (select option 2) or e-mail learning-support@ufl.edu. https://lss.at.ufl.edu/help.shtml

**Counseling Center:** The University Counseling Center offers counseling services to currently enrolled students for personal, career and educational concerns (www.counsel.ufl.edu).

**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.

**CAMPUS HELPING RESOURCES**
Health and Wellness Students experiencing crises or personal problems that interfere with their general well-being 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 on campus for students having personal problems or lacking clear career or academic goals, which interfere with their academic performance.

**U Matter We Care,** http://www.umatter.ufl.edu. If you or a friend are in distress, please contact umatter@ufl.edu or 352 294-2273 so that a team member can reach out to the student.

**Counseling & Wellness Center,** 3190 Radio Road, 352 392-1575, http://www.counseling.ufl.edu/cwc/default.aspx
- Counseling Services
- Groups and Workshops
- Outreach and Consultation
- Self-Help Library
- Training Programs
- Community Provider Database

**Academic Resources**
- **Library Support,** http://cms.uflib.ufl.edu/ask. Various ways to receive assistance with respect to using the libraries or finding resources

**Services for Students with Disabilities**
The Disability Resource Center coordinates the needed accommodations of students with disabilities. This includes registering disabilities, recommending academic accommodations within the classroom, accessing special adaptive computer equipment, providing interpretation services and mediating faculty-student disability related issues. Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation 0001 Reid Hall, 352-392-8565, http://www.dso.ufl.edu/drc/

**STUDENT COMPLAINTS**
Each online distance learning program has a process for, and will make every attempt to resolve, student complaints within its academic and administrative departments at the program level. See http://distance.ufl.edu/student-complaints for more details.

**INFORMATION SOURCES:** The tentative lecture schedule is presented below. However, this schedule is subject to change at the instructor’s notice and is subject to weather and day length constraints.

**NOTE:** The visual aspects and memorization requirements of this course make it imperative that students view all lectures, read all handouts.

**COURSE EVALUATIONS:**
Students are expected to provide feedback on the quality of instruction in this course based on ten criteria. These evaluations are conducted online at https://evaluations.ufl.edu. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at https://evaluations.ufl.edu.