

BOT 4303C
University of Central Florida
SPRING 2020

PLANT KINGDOM
Biology Department
Credits: 4

LECTURE SYLLABUS [LAB INTEGRATED]

LECTURES: M, W: 11: 30 AM - 12: 50 PM BL 104
LAB: W: 1: 00 PM – 2: 50 PM BL 104

Instructor: Dr. Rani Vajravelu ["DR. RANI"] Office: **Biology 201 D**

Face to Face Office Hours: Place: Biology 201D

Monday: 1:00 – 3:00 PM & Wednesday: 3:00 PM – 4:00 PM

On-line Office hours (thro' Webcourses): Friday: 10:00 AM – 11:00 AM.

Other hours by prior appointment.

Phone: (407) 823 – 0990

E-mail: Use the email (Inbox) on course homepage for all course related correspondence.

For general purposes: rani.vajravelu@ucf.edu Phone: (407) 823 – 0990

Course homepage: <https://webcourses.ucf.edu> Access BOT4303C

Find more course policies marked with (*) on this website. Consider them as extension of this syllabus.

Online proctoring tools, such as PROCTORHUB, may be used in this course as needed.

Browser recommendations: See <http://guides.instructure.com> Read Canvas Student Guide

Tech help: onlinesupport@ucf.edu or call CDWS 3-0407 / helpdesk@mail.ucf.edu, 3-5117

McGraw-Hill Connect: <https://mhedu.force.com/CXG/s/ContactUs> 1.800.331.5094

Course Description: A survey of Plant Kingdom utilizing comparative morphology and life cycle patterns. Highlights biotechnology, biological controls and utilization of plants in horticulture.

Objectives:

1. Learn the evolution and diversity among major groups of plant kingdom.
2. Gain knowledge on plant morphology and life cycle patterns.
3. Learn the techniques involved in plant biotechnology.
4. Acquire research and presentation skills related to plant science.

Required:

Stern's Introductory Plant Biology, 14th edition, by McGraw-Hill Education, **with** Connect access.

Choose one of the following two options and register for Learn Smart Adaptive Learning tool:

1. Connect Access Card for Stern's Introductory Plant Biology with eBook 9781260030136 **OR**
2. Connect Access Card for Stern's Introductory Plant Biology with Loose Leaf Textbook 9781260149357

2. Access to Webcourses through WiFi-enabled device to ALL class meetings.

Attendance: Regular class attendance is expected of all enrolled students. You are responsible for all materials covered and all announcements made in every class, whether you are present or not. If you are in University related activities, you must inform the instructor ahead of time to have your excuses approved; not right before or during class. Quizzes, tests and exams often include questions on material presented in class, so performance on these indirectly reflects attendance.

Evaluation Policy for the entire course: The following scale will be used to convert numerical grade in to a letter grade. That is,

92% and above = A	82% - 84% = B	72% - 74% = C	62% - 64% = D
89% - 91% = A-	79% - 81% = B-	69% - 71% = C-	59% - 61% = D-
85% - 88 = B+	75% - 78% = C+	65% - 68% = D+	58% and below = F

Incomplete Grade: 'I' is given only for students who have completed all of the course assessments with a minimum 'C' average and missed the final exam with a valid, documented excuse (see **make up** below) submitted to the instructor within 24 hours of missing the final exam.

Evaluation: Total points for the course: 500 SEE DETAILS below.

- **Tests:** 2 tests (lecture & lab-based) for a total of 200 points = 40%
- **Laboratory work & Quiz** total of 100 points [None will be dropped] = 20%
- **LearnSmart assignments** 100 points [Best 5 considered] = 20%
- **Final exam** is comprehensive, worth 100 points (lecture and lab combined) = 20%

Those who are not in attendance cannot make up a missed lab / quiz at other times.

Lecture Syllabus [tentative] / test schedule: Any change in the following will be announced in class. *On lab days, students are expected to attend the entire session and not to miss either one or both.*

Week	Schedule	Date	Test/Quiz	Description
1	Lecture	1/06 & 08		Course orientation
	Lab	1/08		Long-term lab projects: Literature survey, library visit
2	Lecture	1/13 & 15		Chapters 1 – 8 Review
	Lab	1/15	QUIZ 1	Lab project set up
3	Lecture	1/20		Martin Luther King Holiday
	Lab	1/22	QUIZ 2	Hydroponics lab
4	Lecture	1/27 & 29		Chapter 14 Plant Breeding
	Lab	1/29	QUIZ 3	Methods in Plant breeding
5	Lecture	2/3 & 5		Chapter 14 Plant Propagation & biotechnology
	Lab	2/5	QUIZ 4	Tissue culture lab
6	Lecture	2/10 & 12		Appendix 4: Grafting
	Lab	2/12	TEST 1	
7	Lecture	2/17 & 19		Chapter 20 : Bryophytes
	Lab	2/19	QUIZ 5	Liverworts and Hornworts
8	Lecture	2/24 & 26		Chapter 20 : Bryophytes
	Lab	2/26	QUIZ 6	Mosses
9	Lecture	3/2 & 4		Chapter 21: The Seedless Vascular Plants
	Lab	3/4	QUIZ 7	The whisk ferns, ground Pines, Spike Mosses & Quillworts.
10	Lecture	3/9 & 11		Spring Break
	Lab	3/11		Spring Break
11	Lecture	3/16 & 18		Chapter 21: The Seedless Vascular Plants
	Lab	3/18	QUIZ 8	The horsetails, scouring rushes and Ferns
12	Lecture	3/23 & 25		Chapter 22: Gymnosperms_The Conifers
	Lab	3/25	TEST 2	
13	Lecture	3/30 & 4/1		Chapter 22: Gymnosperms
	Lab	4/1	QUIZ 9	Other Gymnosperms
14	Lecture	4/6 & 8		Chapter 23: Angiosperms
	Lab	4/8	QUIZ 10	Angiosperms overview
15	Lecture	4/13 & 15		Chapter 24: Flowering Plants and Civilization
	Lab	4/15		Lab projects presentation
16	April 27			Final comprehensive exam 1:00 PM

- *Each test will cover the material since the last test and is based on everything covered in class including but not limited to lecture/lab/video, online material, homework and quiz material.*
- Students must have a valid UCF student ID in order to enter the exam room.
- Expect a LearnSmart assignments as weekend homework.
- Quizzes are conducted within the classroom.

***Lab Work:**

- No lab manual required. We'll use the McGraw_Hill website and make our own.
- Labs are designed to go along with lectures. Students are expected to learn and label the provided samples including the microscope images.
- Lab work will be collected randomly. If they are graded, points will be based on completion, accuracy, neatness and submission by the specified time. In order to make sure that that you don't lose points, consider every lab exercise as important and worthy of your attention.
- There may be some outdoor labs. Please be prepared on all lab days to walk outdoors.
- Missed labs will not receive any grades and cannot be repeated unless the absence is University related. If you need help, I will be happy to help outside of class hours at a mutually convenient time.
- Students are expected to clean up after every lab exercise. Instructions will be given in class, please follow them closely. 2 points will be deducted every single time the cleaning instructions (including microscope care & permanent slide return) are not followed.

Graded exams:

Exams will be either hand- or machine graded. Grades will be returned in class. Any question regarding the grades must be directed to the instructor on the same day the grades are returned. Tests will be available for review at Dr.Rani's office for one week after each test. Only one exam will be available for review at one time. You must have your graded test with you to compare the answers.

Unclaimed tests and other graded assignments are not the responsibility of the instructor.

Grade posting:

All graded activities through WebCourses; Final course grade will be issued through Registrar's office.

Log in to this page with your password. *Instructor is not responsible for network problems.*

Grade concerns:

- Bring concerns regarding posted grades to the attention of the instructor within one week.
- After this time, the posted grades will become final.

Make-up opportunity:

If a scheduled test is missed, inform by 5 PM on that day and provide a valid, documented excuse (from doctor, police, judge, official UCF event, etc.) by Wednesday following the test date. With an approved excuse, final exam score will be counted twice, one in place of missed test, other as final exam score. It is the student's responsibility to initiate the request and follow through the make-up exam instructions.

Copyright statement:

The instructor may provide links to various external websites to enhance your understanding of the course content. Students are advised to use caution and good judgment in using such content that should not be copied, duplicated or downloaded. For more info visit:

http://www.copyright.com/content/cc3/en/toolbar/education/resources/copyright_on_campus.html

Please note:

1. Students who are officially registered for this particular course only are allowed to attend the lectures and take the quizzes, tests and exam. Instructor is not responsible for any problems related to registration.
2. Students must follow the University standards for personal and academic conduct as outlined in The Golden Rule. See <http://www.ucf.edu/goldenrule>
3. When a student leaves the exam hall once the exam is in progress, he/she is considered to have completed the exam and will not be allowed back in to the hall to continue the exam. This policy also includes the class quizzes and tests.
4. Online grade posting on course homepage may take about a week after each exam. Instructor is not responsible for network problems and logging in difficulties.

"Log in" problems: call CDWS 3-0407 or inform HELP DESK at helpdesk@mail.ucf.edu, 3-5117

Course Accessibility Statement:

Students with disabilities who need accommodations for tests/exams must be registered with UCF Student Accessibility Services, phone (407) 823-2371. This syllabus is available in alternate formats upon request. In addition, if accommodations are required within the classroom or with online assignments, students must schedule a meeting with the professor at the beginning of the semester to help in executing such accommodations in a timely manner. Email requests will not be sufficient for classroom/online accommodations.

Academic Dishonesty, Plagiarism, or Cheating:

UCF faculty members have a responsibility for your education and the value of a UCF degree, and so seek to prevent unethical behavior and when necessary respond to infringements of academic integrity. Penalties can include a failing grade in an assignment or in the course, suspension or expulsion from the university, and/or a "Z Designation" on a student's official transcript indicating academic dishonesty. Please read <https://ied.sdes.ucf.edu/integrity/>

If you want to succeed in this course:

- Attend all the classes. Bring all needed supplies including required textbooks.
- Arrive at least 5 minutes before class starting time.
- Have a positive attitude towards learning.
- Be prepared for long hours of intensive work. Eat a good lunch before class.
- Read all lecture and lab materials from previous class meeting.
- Complete the assigned work. Do not be afraid to ask for help.
- ***Remember your final grade is what you earn.***

General Policy:

Changes will be made in the above policy if, in my judgment, the interest of learning and fairness dictate such changes.

Test score sheets are to be retained by the student until the end of the course and for any questions on final grade.

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