

Botany (Biology 300)
Fall Semester 2016 Lab Syllabus

Goals and Student Learning Outcomes:

In Botany laboratory students will analyze the growth, development, vegetative, and reproductive characteristics of organisms presented in Botany (Biology 300) lecture. Students will be able to recognize the characteristics and classification of various fungal and plant groups. All labs meet on Thursday afternoon from 1:00-4:00pm in HWWE 207.

Lab Manual:

There is no lab manual. All handouts will be provided as needed on OAKS, in class or lab.

Schedule (Subject to Change)

<u>Date</u>	<u>Lab No.</u>	<u>Topic</u>
Aug. 25	1	Introduction, Lab Safety, Plant Cells and Structure, Plastids and Pigments
Sept. 1	2	Vegetative Morphology **Students bring laptops
Sept. 8	3	Plant Growth and Development
Sept. 15	4	Basic Taxonomy: Collecting, Nomenclature, and Identification, Local Field Trip
Sept. 22	5	<i>Lab Practical I</i> , Collect Data on Plants
Sept. 29	6	Reproductive Characteristics (Floral)
Oct. 6	7	Field Trip (Barrier Island)
Oct. 13	8	Reproductive Characteristics (Fruits)
Oct. 20	9	<i>Lab Practical II</i> , Representative Bryophyta, Primitive Vascular Plants
Oct. 27	10	Field Trip (TBA)
Nov. 3	11	Representative Gymnosperms and Angiosperm Families I
Nov. 10	12	Representative Angiosperm Families II
Nov. 17	13	<i>Lab Practical III (Final)</i>
Dec. 1	14	Plant Research Presentations

Grades:

The grade in lab will make up 25% of the overall grade in Botany and grades in lab consists of:

Average of three lab practicals	15%
Lab Projects and Exercises	10%
	<u>25%</u>

Attendance:

There are no unexcused absences for lab. All excused labs will have to be made up.

Academic Dishonesty: Guidelines for this course will follow the College of Charleston Undergraduate Catalog policies for Academic Integrity and the Honor Code, Student Code of Conduct, and Classroom Code of Conduct. See the Botany course syllabus for more information on academic dishonesty.

See the Botany Course Syllabus for all other information.