**Biology 271: Introduction to Plant Biology**

Lab Instructor: Derick Poindexter

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Office: 401a Coker Hall (UNC Herbarium)

Lab sec 401: T, 12:30-3:20 PM; Lab sec 402: W, 12:30-3:20 PM, in 140 Wilson Hall

**LABORATORY SCHEDULE** \* indicates you should be prepared to go outdoors, weather permitting; Lab Guide is a Course Pack to be purchased at Student Stores. Note: Supplemental handouts will be posted on Sakai to facilitate lab and should be downloaded prior to lab.

Jan 15, 16— Arboretum walk\*

Jan 22, 23— Plant Cells

Jan 29, 30— Seeds and Seedlings **(QUIZ 1)**

Feb. 5, 6— Winter botany\*

Feb 12, 13— Roots and Shoots **(QUIZ 2)**

Feb 19, 20— Leaves, Inflorescences and Flowers **(QUIZ 3, Veg. 1)**

Feb 26, 27— Secondary Tissues, Herbarium tour **(QUIZ 4, Veg. 2)**

Mar 5, 6— Water transport, start rooting experiments in Growth and Propagation lab **(QUIZ 5, Veg. 3)**

Mar. 12, 13— Spring Break – NO LAB

Mar 19, 20— Growth and Propagation **(QUIZ 6, Veg. 4)**

Mar 26, 27— Botanical Garden visit

Apr 2, 3—Bryophytes and Ferns\* **(QUIZ 8, Veg. 5)**

Apr 9, 10—Gymnosperms\* **(QUIZ 9, Veg. 6)**

Apr 16, 17— Angiosperms (Flowers & Fruits) **(QUIZ 10)**

Apr 23, 24— Assess results of propagation labs; field trip/treasure hunt\* **(QUIZ 11 & Turn in results of Growth and Propagation Lab = QUIZ 7)**

— 11 quizzes, each worth 10 pts. The lowest quiz will be dropped.

**The Honor Code pledge will be a part of each exam.**

— Up to 6 additional points can be earned via satisfactory completion of student presentations (Vegetation Types\*). Questions derived from these presentations will be on quizzes, so pay attention!!

Total Points possible for lab = **106**

*\*VEGETATION TYPES* (6 pts)

Groups of 2-3 students will present on a vegetation/plant community type. A sign-up sheet will be made available at the beginning of class, Friday, January 13 and finalized by Friday, January 27. As a group, pick a vegetation/plant community type of interest and compose a MS Powerpoint presentation (ca. 10 min max) addressing the following three criteria:

1) Geographic distribution (2pts)

2) Associated plants, climate, soils, topography (2pts)

3) At least three interesting aspects (e.g., rare plants, economic value) (2pts)

Students are encouraged not to miss a lab; formal excuses for illness or sport-related trips are accepted (for the latter, preferably in advance) and a makeup lab or exercise will be scheduled. If you know that you will need to miss a lab in advance for the above reasons, please contact me and I will allow you to attend the alternate lab for that week. There is no make-up for missing a quiz.

Materials and quiz grades will be posted on Sakai.

“The instructor reserves to right to make changes to the syllabus, including project due dates and test dates (excluding the officially scheduled final examination), when unforeseen circumstances occur. These changes will be announced as early as possible so that students can adjust their schedules.”