INTRODUCTION TO PLANT BIOLOGY

BIOLOGY 239


Lecture: MWF 1-2 PM. Irving 201
Labs: Irving 208

Greenhouse

Section 001 Thursday 2-5 PM
Section 002 Thursday 9-12 AM

Lecturer
Dr. John P. Bryant
Office: Room 414 Irving (4’th floor, Directly across the hall from the elevator)
Phone: 474-7802

Office Hours:

Tue: 3:00-5:00
Wed: 3:00-5:00
Thu: 1:00-1:30
Fri: 2:00-3:15

COURSE GRADE: 75% Will be from lecture tests, 25% From Lab.
LECTURE GRADE: The lecture grade will be based on 3 tests each worth 100 points.
LAB. GRADE: The lab will count for 25% of your total grade. The lab scores will be adjusted to 100 points.

FINAL GRADE

A: 90% - 100% (360 - 400 cumulative points)
B: 80% - 89% (320 - 359 cumulative points)
C: 70% - 79% (280 - 319 cumulative points)
D: 60% - 69% (240 - 279 cumulative points)
F: Less than 60% (Less than 240 cumulative points)
PLANT STRUCTURE

Week 1:
Read Chapters 1-2 (This is primarily review material).

Week 2:
Jan. 19: Martin Luther King, Jr. Day
Jan. 21: Cell Structure
Jan. 23: Tissues

Chapter 3.
Chapter 5

Week 3: Jan 28-31 Stems, Leaves
Jan. 26: Primary Growth of Stems
Jan. 28: Leaves
Jan. 30: Roots

Chapter 5
Chapter 6
Chapter 7

Week 4: Feb 3-7:
Feb. 2: Catch up and Review
Feb. 4: Structure of Woody Plants
Feb. 6: Structure of Woody Plants

Chapter 8
Chapter 8

Week 5: Feb. 11-14
Feb. 9: Flowers and Reproduction
Feb. 11: Flowers and Reproduction
Feb. 13: Catch up and Review for Test

Chapter 9
Chapter 9

TEST

I expect this test will be on Monday 16 February. However, the exact date is dependent on finishing lectures on the structure of woody plants.

The test will cover all material presented in class, and all material presented in chapters 1-9. Emphasis will be on lectures and on chapters 3-9.

PLANT PHYSIOLOGY AND DEVELOPMENT

Week 6: Feb 16-20
Feb. 16: TEST.

Feb. 18: Photosynthesis
Feb. 20: Photosynthesis

Chapter 10
Chapter 10
Week 7: Feb. 23-27:

Feb. 23: Transport Processes Chapter 12
Feb. 25: Transport Processes Chapter 12
Feb. 27: Transport Processes Chapter 12

Week 8: March 2-6:

Mar. 2: Soils and Mineral Nutrition Chapter 13
Mar. 4: Soils and Mineral Nutrition Chapter 13
Mar. 6: Soils and Mineral Nutrition Chapter 13

Week 9: March 9-13

Mar. 9: Development and Morphogenesis Chapter 14
Mar. 11: Review for Test
Mar. 13: TEST

TEST
The test will cover all material presented since the last test, and all material presented in chapters 10-14.

Week 10: March 16-20: Spring Break

EVOLUTION, AND ECOLOGY

Week 11: March 23-27

Mar. 23: Classification and Systematics Chapter 18
Mar. 25: Algae Chapter 21
Mar. 27: Algae Chapter 21

Week 12: March 30-April 3

Mar. 30: Nonvascular Plants Chapter 22
Apr. 1: Seedless Vascular Plants Chapter 23
Apr. 3: Seedless Vascular Plants Chapter 23
Week 13: April 6-10

Apr. 6: Angiosperms
Apr. 8: Global Climate and Biomes
Apr. 10: Continental Drift and Paleocology

Chapter 24
Chapter 27
Chapter 27

Week 14: April 13-17

Apr. 13: Taiga Forest
Apr. 15: Arctic Tundra
Apr. 17: Temperate Forest

Week 15: April 20-25

April 20: Grasslands and Grazing Systems
April 22: Plant Antiherbivore Defense
April 24: Plant Antiherbivore Defense

Week 16: April 27 - May 1

Apr. 27: Concept of the Community
Apr. 29: Ecosystems
May 1: Review for Test

TEST: Monday, May 4: 1-2 pm

TEST

The test will cover all material presented since the last test, and all material presented in chapters 18, 21-27, and handouts.