INTRODUCTION TO PLANT BIOLOGY

BIOLOGY 239


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

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

Lecturer
Dr. John P. Bryant
Office: Room 414 Irving (4th 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)
Week 14: April 14-18

Apr. 14: Populations and Ecosystems
Apr. 16: Populations and Ecosystems
Apr. 18: Antiherbivore Defense

Chapter 26
Chapter 26
Handout

Week 15: April 21-25

April 22: Disturbance and Community Succession
April 24: Herbivory, Communities, and Ecosystems
April 26: Biomes and World Vegetation

Handout
Handout
Chapter 27

Week 16: April 28 - May 2

Apr. 28: Arctic Tundra
Apr. 30: Taiga Forest
May 2: Review for Test

Handout
Handout

TEST: Monday, May 5: 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.
Week 7: Feb. 24-28:
- Feb. 24: Transport Processes
- Feb. 26: Transport Processes
- Feb. 28: Transport Processes

Week 8: March 3-7:
- Mar. 3: Soils and Mineral Nutrition
- Mar. 5: Soils and Mineral Nutrition
- Mar. 7: Soils and Mineral Nutrition

Week 9: March 10-14
- Mar. 10: Development and Morphogenesis
- Mar. 12: Review for Test
- Mar. 14: TEST

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

Week 10: March 17-21: Spring Break

EVOLUTION, AND ECOLOGY

Week 11: March 24-28
- Mar. 24: Classification and Systematics
- Mar. 26: Algae
- Mar. 28: Algae

Week 12: March 31-April 4
- Mar. 31: Nonvascular Plants
- Apr. 2: Seedless Vascular Plants
- Apr. 4: Seedless Vascular Plants

Week 13: April 7-11
- Apr. 7: Gymnosperms
- Apr. 9: Gymnosperms
- Apr. 11: Angiosperms
PLANT STRUCTURE

Week 1: Jan. 17. Introduction
Read Chapters 1-2 (This is primarily review material).

Week 2: Jan. 20-24
Jan. 20: Martin Luther King, Jr. Day
Jan. 22: Cell Structure
Jan. 24: Tissues

Week 3: Jan 28-31 Stems, Leaves
Jan. 27: Primary Growth of Stems
Jan. 29: Leaves
Jan. 31: Roots

Week 4: Feb 3-7:
Feb. 3: Catch up and Review
Feb. 5: Structure of Woody Plants
Feb. 7: Structure of Woody Plants

Week 5: Feb. 11-14
Feb. 10: Flowers and Reproduction
Feb. 12: Flowers and Reproduction
Feb. 14: Catch up and Review for Test

TEST

I expect this test will be on Monday 18 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 17-21

Feb. 17: TEST.

Feb. 19: Photosynthesis
Feb. 21 Photosynthesis
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