

Ranger College

Syllabus

Fall Semester 2010

Course Number and Title: AGRI 1307 Agronomy

Credit Hours: 3 Semester Hours – Lecture

Name of Instructor: Don Ed Eddleman

Office Location: ACAD 2

Office Hours: By Appointment Only

Email: deddleman@ranger.cc.tx.us

I. Catalog Description

1307- Agronomy (3-0) Principles and practices in the development, production, and management of field crops, includes plant breeding, plant disease, soils, insect control, and weed control. Credit 3 semester hours.

II. Required Background/Prerequisites

The student should have a basic knowledge of Agriculture and its effects on the food and fiber system of the World.

III. Textbook: Reading, Materials:

All materials will be provided by instructor. Additional readings, books, and materials may be assigned.

IV. Method of Instruction

Primarily lectures supplemented by overhead transparencies, Internet sites, instructor provided handout material, daily quizzes, and tests.

V. Course Objectives

After studying the materials presented in this course the student will be able to:

1. Describe how agriculture uses various formal and informal, scientific and nonscientific classification systems to describe crop plants.
2. Describe the relationship between soil properties and plant growth.
3. List the roles of water in plants.
4. Identify the essential plant nutrients and describe their role in plant growth.
5. Explain the difference between Photosynthesis and Respiration.
6. Describe the Basics of plant growth and vegetative growth.
7. Describe the process of weed and insect control.
8. Give examples and list roles of crops used for food, feed, beverages, fiber, industry, and oil.

VI. Course Calendar

Day 1 - Syllabus

Day 2 - Chapter 1 - Plant Kingdom

Day 3 - Chapter 2 - Origins of Cultivated Plants

Day 4 - Chapter 3 - Structures of Cultivated Plants

Day 5 - Chapter 4 - Anatomy of Plants

Day 6 - Review Chapters 1, 2, 3, 4 for Test

Day 7 - Test 1

Day 8 - Chapter 5 - Soils

Day 9 - Chapter 6 - Water

Day 10 - Chapter 7 - Temperature and Light

Day 11 - Chapter 8 - Nutrients

Day 12 - Review Chapter 5, 6, 7, and 8 for Test

Day 13 - Test 2

Day 14 - Chapter 9 - Photosynthesis and Respiration

Day 15 - Chapter 10 - Basics of Plant Growth

Day 16 - Chapter 11 - Plant Propagation and Vegetative Growth

Day 17 - Chapter 12 - Genetic Engineering and Biotechnology

Day 18 - Review Chapters 9, 10, 11, and 12 for Test

Day 19 - Test 3

Day 20 - Chapter 13 - Major Agronomic Crops

Day 21 - Chapter 14 - Major Agronomic Crops

Day 22 - Chapter 15 - Cereal Grains, Forage Grasses, and Oil Seeds

Day 23 - Chapter 16 - Food Legumes, Forage Legumes and Vegetables

Day 24 - Chapter 17 - Weed and Insect Control

Day 25 - Review Chapters 13, 14, 15, 16, and 17 for Test

Day 26 - Test 4

Day 27 - Careers

Day 28 - Careers

Day 29 - Make up Exam

Day 30 - Review for Final

Day 31- Final Exams

VII. Course and Classroom Policies

- 1. Attendance is required of all students and will be checked at the beginning of each class period with a daily quiz. Students coming into class after the quiz has been taken up will be counted absent. Unexcused absences are counted from the first day of class as listed in the college calendar, regardless of the date of the student's registration. The only excused absence is an authorized college activity.***
- 2. Class Participation is encouraged for all class discussions.***
- 3. Work may be made up for absences due to authorized college activities. Make-up work is due within two weeks of the absence, and it is the student's responsibility to see that make-up work is completed as soon as possible. There will be ONLY One MAKE-UP EXAMS GIVEN AT THE END OF THE SEMESTER FOR THOSE WHO HAVE MISSED AN EXAM OR WISH TO MAKE UP A LOWER GRADE.***
- 4. Any student caught cheating in this class will be dropped from the class and reported to the Dean of Students.***
- 5. Students are expected to behave in a business-like manner. If the behavior of any student disrupts the class, the instructor has the right of removal. Any individual problems concerning grades, absences, etc., should be discussed with the instructor before class, after class, or by appointment.***
- 6. ADA STATEMENT: Ranger College provides a variety of services for students with learning and/or physical disabilities. The student is responsible for making the initial contact with Ranger College's Counselor. It is advisable to make this contact before or immediately after the semester begins.***
- 7. Available Student Support Services: Library, Tutors, Etc.***

VIII. Assessment – Method of Evaluating Achievement of Students

Grading Procedures

Daily Quiz — 40% of Semester Grade

Test -- 40% of Semester Grade

Semester Exam -- 20% of Semester Grade

Daily Quizzes will be given at the first of the class period

Test 1- Chapters 1-4 (Course Objectives- 1)

Test 2- Chapters 5-8 (Course Objectives- 2, 3 and 4)

Test 3- Chapters 9-12 (Course Objectives- 5 and 6)

Test 4- Chapters 13-17 (Course Objectives- 7 and 8)

Semester Exam will be Comprehensive

IIV. Admission, Employment, and program Policies of Ranger College are Non-discriminatory in regard to race, creed, color, sex, age, disability, and national origin.

The schedule and procedures in this course are subject to change in the event of extenuating circumstances

Receipt of Syllabus Form:
(Required of all students and filed by the Instructor)

Legibly print the following information:

Name: _____ **Date:** _____

**“I have received and understand the information in the syllabus for
1307 Agronomy (3-0) 0204025101 and I agree to abide by the stated policies.”**

Signature of Student: _____