

AGR 120 – Seed and Grain Technology Syllabus

Fall 2013

Instructor: xxxxx

Credits: 3

Course Overview

This course introduces students to the principles and practices of seed and grain technology, including grain handling systems, crop certification, and grain grading. Students will engage in hands-on learning and problem-solving to develop skills relevant to agricultural careers.

General Objectives

By the end of the course, students will be able to:

- Identify grain handling systems and common challenges.
- Calculate costs related to drying and maintaining crop quality.
- Evaluate costs of building grain bins and handling systems.
- Understand crop certification processes and standards.
- Grade grain according to U.S. standards.
- Select and evaluate high-quality seed.
- Apply proper storage techniques.
- Operate grain grading equipment.
- Identify crop and weed seeds.
- Price crops using base prices and discounts.

Specific Objectives (Task List)

- Design and troubleshoot grain handling systems.
- Calculate per-bushel costs and shrinkage.
- Develop a seed certification program.
- Perform germination tests and seed treatments.
- Identify grain storage issues (e.g., insects, mold).
- Recognize weed seeds and their impact.
- Understand the importance of planting quality seed.

Attendance and Participation

Regular attendance is encouraged to support your learning and mastery of course content. If you are unable to attend due to illness, caregiving responsibilities, or other circumstances, please notify the instructor. All missed work can be made up. Use of cell phones during class should be limited to instructional purposes or emergencies.

Grading Policy

Grades will reflect your understanding and mastery of course concepts. You will have opportunities to revise work and receive feedback to support your growth.

- A (94–100%) – Demonstrates exceptional mastery and application of course content.
- B (87–93%) – Shows solid understanding with minor gaps.
- C (80–86%) – Meets basic expectations with room for improvement.
- F (<80%) – Does not meet minimum course standards.

Grades are based on performance in labs, assignments, and assessments. Participation and timeliness are encouraged but not penalized. Rubrics will be provided for all major assignments to ensure transparency and clarity. Feedback will be timely and constructive to support student improvement.

Schedule

Labs will be integrated into regular class sessions. A detailed schedule will be provided during the first week of class.

Instructor Support

Office hours will be posted. I am committed to supporting your success—please reach out with questions or concerns. All students are welcome and encouraged to seek help.

Accessibility and Accommodations

Students with disabilities, including pregnancy or parenting-related needs, are entitled to accommodations under federal law. Please contact the instructor and the college's accessibility services office to arrange support. All discussions will remain confidential.

Classroom Recording Policy

Recording of class sessions, classmates, or course content is not permitted without prior written consent from the instructor.

Funding Statement

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