



AGRONOMY AGRI 1307 F2F

Course Syllabus: FALL 2020

“Northeast Texas Community College exists to provide personal, dynamic learning experiences empowering students to succeed.”

Instructor: Chad Henry

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| Office Hours | Monday | Tuesday | Wednesday | Thursday | Friday | Online |
|--------------|-----------|-------------|-----------|-------------|----------------|----------------|
| | 7:30-8:00 | 7:30-8:00 | 7:30-8:00 | 7:30-8:00 | By Appointment | By Appointment |
| | 1:00-1:30 | 10:30-11:00 | 1:00-1:30 | 10:30-11:00 | | |
| | | 1:00-1:30 | | 1:00-4:45 | | |
| | | 3:30-4:45 | | | | |

This syllabus serves as the documentation for all course policies and requirements, assignments, and instructor/student responsibilities.

Information relative to the delivery of the content contained in this syllabus is subject to change. Should that happen, the student will be notified.

Course Description: Principles and practices in the development, production, and management of field crops including growth and development, climate, plant requirements, pest management, and production methods.

Prerequisite(s): Co-requisites for Ag Majors: AGRI 1107

Student Learning Outcomes:

1. Students will understand the basic concepts of plant nutrition, soil fertility, nitrogen cycle, and soil ph in growing and developing plants.
2. Students will understand the importance of seed selection, planting method, harvesting, and storage of field crops as it relates to production and the environment.
3. Each student is required to write position paper on how agronomy impacts our society. The student will research the topic and form an opinion based on scientific research.
4. Students are required to analyze a soil test along with the nutrient requirements of a crop and then calculate the type and amount of fertilizer needed to provide optimum growth.
5. Students will work in groups to identify a problem or question in plant science. The group will form a hypothesis of the question and test the hypothesis by doing an experiment(s) and then report the results in class for discussion.

Evaluation/Grading Policy:

Grades will be computed as follows:

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|----------------------|-----|
| (3) Exams: | 60% |
| Class Participation: | 10% |
| Group Project: | 15% |
| Writing Assignment: | 15% |

The grading scale below will be used to determine your final grade.

| Points | grade |
|-----------|-------|
| 90-100 | A |
| 80- 89 | B |
| 70- 79 | C |
| 60- 69 | D |
| BELOW 59% | F |

Exams:

We will have 3 exams, each exam will make-up 1/3 of your exam grade (60%). The exams will be: true and false, multiple choice, listing, and short answer.

Class Participation:

Class participation is based on attendance, classroom discussion, quizzes and participation.

Assignments:

Group Project: Students will work in groups to identify a problem or question in plant science. The group will form a hypothesis of the question and test the hypothesis by doing an experiment(s) and then report the results in class for discussion. Your grade will be assessed on the group and individual effort within the group on the presentation of their hypothesis, experiment, and results.

Writing Assignment: Each student is required to write position paper on how agronomy impacts our society. The student will research the topic, form an opinion based on scientific research and write a 3-5 page paper with at least 3 citations supporting your opinion with scientific facts. Your grade will be based on your ability to write a factual report in a logical and systematic manner. You will submit your paper on Blackboard assignment. It is due November 18, 2020. Plagiarism will result in failing this assignment.

Required Instructional Materials: Principles of Field Crop Production, 4th Edition, Martin, Stamp, Waldren, & Leonard

Publisher: Pearson

ISBN Number: 0-13-025967-5

Optional Instructional Materials: Southern Forages, 5th Edition, Ball, Hoveland, & Lacefield, IPNI

Minimum Technology Requirements: none

Required Computer Literacy Skills: none

Course Structure and Overview:

Class attendance is required. If you have more than three unexcused absences, you should consult with me about your grade. Anyone who wishes to withdraw from class must take the responsibility to formally drop with the Registrar; otherwise a failing grade will be given.

Communications: Remind App and email will be the official class communication method

Institutional/Course Policy:

Class attendance is required. If you have more than three unexcused absences, you should consult with me about your grade. Anyone who wishes to withdraw from class must take the responsibility to formally drop with the Registrar; otherwise a failing grade will be given.

Alternate Operations During Campus Closure and/or Alternate Course Delivery Requirements

In the event of an emergency or announced campus closure due to a natural disaster or pandemic, it may be necessary for Northeast Texas Community College to move to altered operations. During this time, Northeast Texas Community College may opt to continue delivery of instruction through methods that include, but are not limited to, online through the Blackboard Learning Management System, online conferencing, email messaging, and/or an alternate schedule. It is the responsibility of the student to monitor NTCC's website (<http://www.ntcc.edu/>) for instructions about continuing courses remotely, Blackboard for each class for course-specific communication, and NTCC email for important general information.

Additionally, there may be instances where a course may not be able to be continued in the same delivery format as it originates (face-to-face, fully online, live remote, or hybrid). Should this be the case, every effort will be made to continue instruction in an alternative delivery format. Students will be informed of any changes of this nature through email messaging and/or the Blackboard course site.

NTCC Academic Honesty/Ethics Statement:

NTCC upholds the highest standards of academic integrity. The college expects all students to engage in their academic pursuits in an honest manner that is beyond reproach using their intellect and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the course instructor. Academic dishonesty such as cheating, plagiarism, and collusion is unacceptable and may result in disciplinary action. This course will follow the NTCC Academic Honesty and Academic Ethics policies stated in the Student Handbook. Refer to the student handbook for more information on these subjects.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state, and local laws, regulations, and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to request accommodations. An appointment can be made with the Academic Advisor/Coordinator of Special Populations located in Student Services and can be reached at 903-434-8264. For more information and to obtain a copy of the Request for Accommodations, please refer to the special populations page on the NTCC website.

Family Educational Rights and Privacy Act (FERPA):

The Family Educational Rights and Privacy Act (FERPA) is a federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA gives parents certain rights with respect to their children's educational records. These rights transfer to the student when he or she attends a school beyond the high school level. Students to whom the rights have transferred are considered "eligible students." In essence, a parent has no legal right to obtain information concerning the child's college records without the written consent of the student. In compliance with FERPA, information classified as "directory information" may be released to the general public without the written consent of the student unless the student makes a request in writing. Directory information is defined as: the student's name, permanent address and/or local address, telephone listing, dates of attendance, most recent previous education institution attended, other information including major, field of study, degrees, awards received, and participation in officially recognized activities/sports.

Tentative Course Timeline (*note* instructor reserves the right to make adjustments to this timeline at any point in the term):

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| Week 1 | Introduction and history |
| Week 2 | Structure of higher plants |
| Week 3 | Naming and classifying plants |
| Week 4 | Improvement of cultivated plants |
| Week 5 | Propagation of plants |
| Week 6 | Vegetative and reproductive growth and development |

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| Week 7 | Photosynthesis, respiration, and translocation |
| Week 8 | Soil |
| Week 9 | Climatic influences |
| Week 10 | Plant competitors |
| Week 11 | Harvest, preservation, storage and marketing |
| Week 12 | Crops grown for food, feed, and oil |
| Week 13 | Legumes |
| Week 14 | Grazing management |
| Week 15 | Forage and hay for cattle |
| Week 16 | Forage and hay for equines |