



NORTHEAST TEXAS
COMMUNITY COLLEGE

Special Topics in Plant Protection – Integrated Pest Management

AGCR-1393 (8 week course)

Course Syllabus: Fall 2020

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

Instructor: Rene’ McCracken

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Office	Monday	Tuesday	Wednesday	Thursday	Friday	
Hours	8am – 10am	8am – 9:20am	8am – 10am	8am – 9:20am	8am – 10am	

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: 3 credit hours - Two hours of lecture and three hours of lab each week.

Major agricultural disease and pest agents will be studied, focusing on the biology of the pests to include life cycle, structure, and typical hosts. Management and control utilizing least toxic methods will be emphasized, the foundation of which is healthy soils. (Fall)

Prerequisite(s): none

Student Learning Outcomes: Upon the completion of this course students will:

1. Identify and list the top 5 beneficial and harmful insects to crops and gardens.
2. Identify and list control methods both organic, biological and chemical of the top 5 pests for Texas crops.
3. Identify and list the top 5 weeds impacting agriculture crops in Texas.
4. Demonstrate knowledge of IPM through the development of a written integrated plan to eliminate insect and weed pressure in garden and pastures of a sustainable farm.
5. Recognize and list insect and weed presence as they relate to indicators to soil health needs.

Evaluation/Grading Policy:

Evaluation/Grading Policy:

Grades will be computed as follows:

(3) Research infographic posters - 60%

(1) Terminology Exam - 20%

Class/Lab/blackboard Participation - 20%

Required Instructional Materials: No textbook required. Study material will be provided by instructor in class and/or on Blackboard.

Publisher: N/A

ISBN Number: N/A

Optional Instructional Materials: None

Minimum Technology Requirements: None

Required Computer Literacy Skills: None

Course Structure and Overview:

- **Lectures and Discussions:**

1. This course will be a combination of reading and reviewing information on blackboard and lecture/lab during class time. The lab portions of the course will be conducted as assigned on the Sustainable Market Farm in the areas consistent with course requirements.

- **Tests/Exams:**

2. There will be 1 exam accounting for 20% of your overall grade. Exams will be multiple-choice, short answer, and essays developed from the lecture materials provided.

- **Research Infographic Posters:**

3. Students will be required to research and develop three infographic posters and present during the semester which will account for 60% of the final grade. Students will be provided topics, instructions, and assigned presentation times by the instructor with various deadlines throughout the semester.

Required Instructional Materials: None. All course materials will be provided in class

Publisher:

ISBN Number:

Optional Instructional Materials: none

Minimum Technology Requirements: Minimal basic computer skills to utilize blackboard and complete assignments.

Required Computer Literacy Skills: Basic skills required.

Course Structure and Overview:

This is a face to face, 8 week applied course that will involve your attendance in class and participating in our pest management practices on our Sustainable Market Farm at NTCC. You will be required to complete reading and research assignments provided to you in blackboard and participate in class discussions. You will demonstrate your knowledge as we apply new integrated pest management practices on our farm. This course will meet twice weekly for 8 weeks, so in order to complete the course materials you must not only attend classes but complete all assignments in a timely manner. Failure to attend classes or complete assignments will result in failure of this course.

Communications: I will utilize your college email to communicate with you, blackboard will be utilized to provide all handouts, reading assignments and instructions.

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):

- Week 1: Introduction to Integrated Pest Management
- Week 2: Biological, Organic and chemical control methods
- Week 3: Beneficial Insects and Harmful Insects
- Week 4: Weeds, Harmful, Beneficial, and/or Toxic
- Week 5: Indicators of Poor Soil Health
- Week 6: Designing an Integrated Pest Management Plan
- Week 7: Review
- Week 8: Final Presentations