



HORTICULTURE LAB: AGRI 1115
Course Syllabus: Spring 2018

“Northeast exists to provide responsible, exemplary learning opportunities.”

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Office Hours	Monday	Tuesday	Wednesday	Thursday	Friday	
	9 to 11 am		9 to 11 am		8:00-10:00	

The information contained in this syllabus is subject to change without notice. Students are expected to be aware of any additional course policies presented by the instructor during the course.

Catalog Course Description: This laboratory-based course accompanies AGRI 1315. Laboratory activities will reinforce the fundamental principles and practices in the development, production, and management of horticulture crops including growth and development, climate, plant requirements, pest management, and production methods.

Lab Content: Lab materials and content will be provided in class and on blackboard. Labs will be located in ACR 117 and on Eagle Ranch and in the greenhouse. Students will be expected to demonstrate the following objectives.

Student Learning Outcomes:

1. Students will demonstrate an understanding of the study of structure, growth, and development of horticultural plants from a practical and scientific approach.
2. Students will demonstrate a knowledge and understanding of the environmental effects, basic principles of propagation, greenhouse and outdoor production, nutrition, pruning, chemical control of growth, pest control, and landscaping.
3. Students will be able to understand and demonstrate their knowledge pertaining to plant taxonomic relationships.
4. Students will demonstrate through weekly laboratory experiences their knowledge of how plants differ in reproduction; understanding soil differences; plant production; harvesting and other horticulture related topics.
5. List elements essential to plant growth and describe their functions and deficiency symptoms in plants.
6. Students will demonstrate knowledge of careers, professional organizations, and training available for horticulturalist.

Optional Textbook:

Introductory Horticulture, 8/E
 Carroll L. Shry, Jr.
 H. Edward Reiley
 Publisher: Cengage Learning
 ISBN Number: 9781435480414

Lab:

This course will be held on Tuesdays and Thursdays in AGC117 from 9:30 - 10:50. The course will consist of classroom lectures using multimedia presentations as well as classroom discussions. Labs will consist of hands on learning, demonstrations, quizzes and field trips. Labs will not be available for make-up.

Evaluation/Grading Policy:

Grades will be computed as follows:

Class Participation:	40%
Skill Exams:	30%
Reports/Quizzes	30%

Class Participation:

Students are required to participate in both classroom and lab activities. Participation is 40% of the final grade and attendance is required to participate. Students are expected to be on time and ready to begin when class starts at 9:30 am. Students will also be required to travel locally for some labs. Students are expected to arrive on time and behave in a professional manner.

Skill Exams:

There will be a series of skill exams accounting for 30% of your overall grade. Exams will be hands on experiences that will be consistent with the labs.

Reports/Quizzes:

Quizzes are unannounced and may be held during labs. There will be no make-ups for quizzes. Students should arrive on time and be ready with a pen or pencil and notebook paper. Students will be required to turn in lab reports at the end of class. These reports/quizzes will account for 30% of your final grade.

Outline: (topics may be re-ordered due to weather conditions or other unpreventable circumstances)

1. Benefits of the Horticulture Industry
2. Scientific Classification and Nomenclature
3. Anatomy of Plants and Plant Structures and Functions
4. Plant Evaluation
5. Plant Propagation I and II
6. Soils of the United States: Southern Region
7. Plant Pests: Bacterial Diseases and Fungal Diseases
8. Plant Pests: Sucking Insects
9. Plant Pests: Chewing Insects
10. Plant Pests: Weeds
11. Landscape Design: Introduction and The Art of Landscaping Design
12. Vegetable Production
13. Fruit and Nut Production and Field Trip- Stone Fruits and Herbs and Spices
14. Introduction to Greenhouse Management and Marketing Greenhouse Crops
15. Fertilizers and The Environment

Other Course Requirements:

Students are required to dress appropriately for lab; this includes closed toed shoes, safety glasses (when required), and appropriate dress for working outdoors.

Student Responsibilities/Expectations:

Students are required to participate in both classroom and lab activities. Participation is 40% of the final grade and attendance is required to participate. Students are expected to be on time and ready to begin when class starts at 11:00am. Student should be courteous and treat one another with respect to allow for a peaceful and effective learning environment.

NTCC Academic Honesty Statement:

"Students are expected to complete course work in an honest manner, using their intellects and resources designated as allowable by the course instructor. Students are responsible for addressing questions about allowable resources with the

course instructor. NTCC upholds the highest standards of academic integrity. This course will follow the NTCC Academic Honesty policy stated in the Student Handbook."

Academic Ethics

The college expects all students to engage in academic pursuits in a manner that is beyond reproach. Students are expected to maintain complete honesty and integrity in their academic pursuit. Academic dishonesty such as cheating, plagiarism, or collusion is unacceptable and will result in disciplinary action. Refer to the student handbook for more information on this subject.

ADA Statement:

It is the policy of NTCC to provide reasonable accommodations for qualified individuals 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 arrange an appointment with a College counselor to obtain a Request for Accommodations form. For more information, please refer to the NTCC Catalog or Student Handbook.

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.

Other Course Policies:

The use of cell phones or texting devices is prohibited during class and lab. Students caught using these devices will be asked to leave and will lose participation points. NTCC tobacco policy will be enforced and violators will be asked to leave.