

CENTRAL HIGH SCHOOL

Introduction to Horticulture

INSTRUCTOR- Bill Bretzman

COURSE SYLLABUS

Course Description:

This course is designed to develop knowledge and skills in the following areas: using soil and other plant growing media; identifying horticultural plants; propagating horticultural plants; basics of growing horticultural plants in greenhouse and nursery settings; constructing, maintaining, and using plant-growing structures; operating, repairing and maintaining equipment used in the horticultural field. Also included are nursery production, turf grass production, fruit and vegetable production, and aquaculture. Agribusiness units will cover calculating prices for work, managing a horticultural business, advertising, and sales. Students will be FFA members and participate in FFA activities.

Upon the successful completion of this course, students will be able to:

- Identify all major horticulture plants.
- Understand plant anatomy.
- Define the concepts of plant reproduction.
- Understand greenhouse production and bedding plant production.
- Identify major plant nutrients and their chemical analysis.
- Identify greenhouse pests and develop an IPM plan
- Produce herbs and vegetables in an Aquaculture system
- Experience the FFA Organization
- Develop an SAE program
- Present the FFA Creed

Required Class Materials:

You are required to bring to class: paper, writing utensil, 3 ring binder, flash drive or access to student storage. A simple calculator is also recommended. Proper attire for greenhouse.

Text:

Introduction to Horticulture 6th Edition

Course Outline:

1st semester

Understanding the Horticulture Industry
Plant Anatomy and Physiology
FFA Orientation/SAE
Plant Propagation
Growing Media, Nutrients, and Fertilizers
Public Speaking/FFA Creed
Plant Identification

2nd semester

Houseplants
Greenhouse Production
Bedding Plant Production
Aquaculture
Integrated Pest Management
Plant Identification
SAE

Major Assignments:

Presentation of the FFA Creed. (Jan.)

Develop an individualized Supervised Agriculture Experience. (December and continue through May)

Complete 2 FFA activities per semester.

Work a minimum of 4 hours in FFA CO-OP 1st semester and 5 hours at the Spring Plant Sale 2nd semester.

Students will be required to participate in one of the following Horticulture CDE's: Section 10 (April 18th) Parkland (TBA) and/or JJC (TBA). This will be equal to ½ of the semester Exam

Grading:

Skyward Name	Category	Weight
Final Exam	1 st Semester- ½ Coop hrs. and ½ Assessment 2 nd Semester- ½ Plant Sale hrs. and ½ Horticulture CDE	15%
In-Class work	Assignments/Labs/Reports/Participation/Quizzes/Tests	70%
Homework	SAE & Recordkeeping	10%
Participation	FFA Participation	5%

Class Policies & Procedures:

1. Students will be in their seat when the bell rings, with writing utensils, their Agriculture 3 ring binder, any assignments due that day, and any other materials needed for class that day. I expect them to stay in their assigned seat unless instructed or permission to leave their assigned seat.
2. Students will conduct themselves in a manner that allows everyone the right to a good learning environment.
3. Students shall leave materials and objects in the classroom and/or lab, teacher's desk, shop greenhouse, storage compartments, etc. alone unless instructed or given permission to use them.
4. Students will participate in classroom and/or lab instruction and activities at all times. It is not an option to not participate or attempt the activities of this course.
5. Students will be dismissed from class when all materials are returned to proper storage area and teacher verbally dismisses them.
6. Students will confer with teacher if they feel all possible tasks have been completed.
7. Students' heads will be in an upright attentive position without the support of their arms and hands.
8. Students will contact me the day they return from any absence, to update student on missed classroom/lab/greenhouse activities. *(I am usually in my room before and after school and during lunches. If you cannot find me at one of these times. My email is wbretzman@cusd4.org or phone # 939-4673)* Failure to contact me will result in this manner, may result in a late grading policy or no credit for missed assignments or tests.

Miscellaneous: FFA is an integral role of agriculture education. Students are automatically enrolled in the FFA. Students are strongly encouraged to participate in these activities.

Students must work outside of the classroom hours at the department cooperative. Student hours will be worked during regular coop hours (Tuesday 3:30-5:30 pm and Saturday 8:00 -11:30 am). Meeting the minimum hours required/semester will be reflected as 50% of the semester exam.

Instructor Contact:

Email – wbretzman@cusd4.org

Phone: school 815-694-2321 ext. 2113

Home 815-939-4673