

**CENTRAL HIGH SCHOOL**

**Basic Horticultural Science**

**Toni Saso**

**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; identifying landscape plants, designing landscape plans, landscape construction techniques, and installing landscape plants. Also included are nursery production, turf grass production, and maintenance of existing landscapes. Agribusiness units will cover calculating prices for work, managing a horticultural business, advertising, and sales. Students will have the opportunity to be FFA members and participate in FFA activities.

**Course Objectives:**

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.
- Make 3 different floral designs.
- Complete a landscape design.
- Understand greenhouse production and bedding plant production.
- Identify major plant nutrients and their chemical analysis.

**Required Class Materials:**

Paper

Binder

Calculator (recommended)

Writing Utensil

Flash drive or storage device

**Text:** None

**Course Outline:**

**1<sup>st</sup> semester:**

Understanding the Horticulture Industry

Plant Anatomy and Physiology

Plant Propagation

Growing Media, Nutrients, and Fertilizers

Floral Design

Corsages, Wreaths, Door Swags

Plant Identification

**2<sup>nd</sup> Semester:**

Plant Taxonomy

Developing Landscape Designs

Land &amp; turf grass management

Houseplants

Plant Identification

Greenhouse Production

Bedding Plant Production

**Major Assignments:**

FFA Activity: 1 per semester

SAE Recordkeeping: Due at the end of each quarter

**Grading:**

Skyward Name	Category	Weight
Tests	Assessments	35%
In-Class work	Assignments/Labs/Reports/Participation	50%
Homework	SAE & Recordkeeping	10%
Participation	FFA Participation	5%

**Class Policies & Procedures:**

1. Every student must act in a safe and responsible manner because of the many laboratory and classroom situations. You must demonstrate respect for the work of others. Failure to conduct your self in a safe manner will result in immediate discipline including, but not limited to: detentions, phone call home, parent/teacher/student conference.
2. The classroom and/or shop will be picked up and clean before any student may leave the room.
3. Appropriate dress (especially in the shop) is required at all times. In addition, safety glasses and closed toed shoes must be worn at all times while in the shop. NO EXCEPTIONS.
4. The shop is a privilege, not a right. If you can not act in a safe and responsible manner, you will be assigned book work and restricted from the shop.
5. Discipline for breaking the academic integrity code, student conduct responsibilities, and/or classroom expectations will be dealt with using the policy set forth by the Central High School Student Handbook.

6. As an inter-curricular club, FFA is an integral role of agriculture education. You are required to become a member of the Central FFA, and are required to attend 1 activity per quarter.
7. All assignments are due at the beginning of the period (when the tardy bell rings). If it is turned in after everyone else's assignments, IT'S LATE.
8. As per school policy, assignments may be turned in 1 day late for up to 75% credit. After that a zero will be assigned.
9. You have 2 school days to obtain and complete your assignments from an excused absence. You are responsible for obtaining missed work. I will not seek you out to give you missed work; you must check with me to see what you missed. Any work collected or assigned on the day of an unexcused absence will not be excepted.

**Miscellaneous:**

See Department Policies and Guidelines for out of class requirements for this course.

**Instructor Contact:**

Email: [tsaso@cusd4.org](mailto:tsaso@cusd4.org)

Phone: (815) 694-2321 Ext. 2113

Email is the quickest method to get a response. If you email and do not receive response within 24 hours, feel free to call.