Horticulture I Course #6841

**Instructor:**

 **Name:** John M. Hess Med/NBCT

 **Email:** john.hess@cms.k12.nc.us

 **School Phone:** (980)343-6900

**Description:**
This course provides instruction on the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, and career opportunities. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are apprenticeship, cooperative education, internship, mentorship, school-based enterprise, job shadowing, and supervised agricultural experience. FFA competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Course Goals: **Through the course work instructors will enhance the experiences of teamwork, leadership and career ready skills.** Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, and career opportunities. English language arts, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course are apprenticeship, cooperative education, internship, mentorship, school-based enterprise, job shadowing, and supervised agricultural experience.

**Expected Student Learning Outcomes**: Upon completing the Horticulture I course, students should be able to: Pass the summative assessment (VoCats) with a minimum score of 88%. Be career ready and have completed and submitted a completed SAE project.

**Types of Assignments:** Hands on, Performance, technical writing, Daily class work, Speaking, SAE project.

**Supervised Agricultural Experience Program (SAE):** SAE is a planned, practical activity conducted outside of class time in which students develop and apply agricultural knowledge and skills. Examples may include starting and running an agricultural related enterprise, placement into an agribusiness occupation,

 **Guidelines for Term Grading:** Term grading will be completed through class work, performance, participation, and project rubrics. No one item or division will be weighted, open end scoring will occur.

 **Absence Policy:** May not miss more than 6 days for this course. It is the responsibility of the student (and not the teacher) to acquire and make up work missed during an absence. If you miss class on the day of an exam or quiz you will be responsible for scheduling a make-up with the teacher.

**Student Organization (FFA):** All students are highly encouraged to participate in the FFA Organization.  Some opportunities offered by the FFA are local activities, career development events, travel and awards.  The local chapter meets every other Thursday with a banquet in May.  FFA dues are $20.00 per student per year.

**Course Outline:**

* Leadership Development
	+ FFA
	+ SAE
	+ Parliamentary Procedure
	+ Public Speaking
* Employability Skills
	+ Careers in Horticulture
	+ SAE
	+ Record Keeping
	+ Marketing Horticultural Crops
* Plant Growth Development, Reproduction
	+ Plant Anatomy & Physiology
	+ Plant Growth & Development
	+ Plant Taxonomy
	+ Plant Identification
	+ Plant Propagation
	+ Plant Biotechnology
* Soils, Nutrients, & Fertilizers
	+ Soils
	+ Hydroponics
	+ Fertilizers
	+ Soil Sampling
* Pest Management
	+ Plant Pests & Diseases
	+ Types & Uses of Pesticides
	+ Agricultural Chemical Manual
	+ Pesticide Handling & Storage
* Lawn Care & Gardening
	+ Turf Areas in Lawns
	+ Vegetable Gardening

------------------------------------------------------------------------------------------------------------

I have read and understand the course outline, expectations, consequences and grading policy for Horticulture I. I also give permission to utilize any photos taken during class or while participating in FFA events for bulletin board, FFA website, or any other positive promotion of our students and our FFA Chapter.

*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

 *Student Signature and Date Parent Signature and Date*

I look forward to an exciting semester! John M. Hess – Agriculture Teacher