Horticulture II LCM Course #6882

**Instructor:**

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**Description:**
This course focuses on major components of the landscape industry. Employability and business skills along with technical and practical knowledge of landscape design, landscape installation and maintenance provide students the opportunity to secure the skills needed for a successful post-secondary landscaping education or entry level employment within the landscaping industry. Students are instructed in the criteria for professional development and success within the industry and its many organizations. ***Hands on***instruction and ***experiential***learning are a major part of the instructional model for this course. Students learn to perform calculations necessary to provide estimates and quotes as well as how to market a landscaping enterprise. Principles of landscape design and fundamentals of design development provide students the expertise they need to develop a effective landscape and/or irrigation plan. However, the course does culminate in the plan. Students will apply procedures to install and maintain landscapes. Students will learn the science of a successful landscape and have the opportunity to become proficient in the use of equipment and practices to install and maintain turf and plants within a landscape. Practices such as fertilization, pest control, staking/guying, mulching and hardscaping will give students many opportunities to excel in the landscape industry course.

**Goals:** **Through the course work instructors will enhance the experiences of teamwork, leadership and career ready skills** This course provides hands-on instruction and emphasizes safety skills needed by landscape technicians in the field. This course is based on the North Carolina Landscape Contractor's Association skill standards for a Certified Landscape Technician. Students are instructed in interpreting landscape designs, identifying landscape plants, and planting/maintaining trees, shrubs and turf. Landscape construction is emphasized in the areas of grading and drainage, irrigation, paver installation and the use/ maintenance of landscape equipment. Current topic discussions provide students an understanding of careers and the employability skills needed to enter the landscape industry. Opportunities exist for students to conduct internships or apprenticeships as landscape technicians.

**Expected Student Learning Outcomes**: Upon completing the Horticulture II Honors 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.

| Comp #Obj # | Unit Titles/Competency and Objective Statements(The Learner will be able to:) |
| --- | --- |
| 1 | 2 |
|  |  |
|  | **Total Course Weight** |
|  |  |
| **A** | **EMPLOYABILITY AND BUSINESS SKILLS** |
| **LC01.00** | **Understand leadership and employability skills in the landscape industry.**  |
| *LC01.01* | *Understand leadership and worked-based learning skills used in the landscape industry.* |
| *LC01.02* | *Recognize professional organizations and certifications available to those employed in the landscape industry.* |
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| **LC02.00** | **Apply procedures to perform calculations and to market landscape enterprises.** |
| *LC02.01* | *Apply procedures to perform calculations used in estimates and quotes.* |
| *LC02.02* | *Understand characteristics of effective marketing.* |
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| **B** | **LANDSCAPE DESIGN** |
| **LC03.00** | **Understand the processes used to select plants in the landscape industry.** |
| *LC03.01* | *Recognize plants based on use.* |
| *LC03.02* | *Understand factors used to select plants.* |
|  |  |
| **LC04.00** | **Apply procedures to develop plans, estimates, and quotes.** |
| *LC04.01* | *Remember elements and principles of design, irrigation system components and measurements, and symbols used to develop landscape and irrigation plans.* |
| *LC04.02* | *Apply procedures to develop landscape and irrigation plans.* |
| *LC04.03* | *Remember key terms, abilities needed, and items included in estimates and quotes for landscape and/or irrigation plans.* |
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| **C** | **LANDSCAPE INSTALLATION AND MAINTENANCE** |
| **LC05.00** | **Apply procedures to install landscapes.** |
| *LC05.01* | *Remember the uses for materials and hand tools used to install landscapes.* |
| *LC05.02* | *Apply procedures to use equipment to install landscapes.* |
| *LC05.03* | *Apply procedures to install turfgrass.* |
| *LC05.04* | *Understand procedures used to plant, stake/guy, and mulch landscape plants.* |
| *LC05.05* | *Apply procedures to incorporate hardscapes into landscapes.* |
|  |  |
| **LC06.00** | **Apply procedures to maintain landscapes and landscape equipment.** |
| *LC06.01* | *Apply procedures to prune, fertilize, and mulch landscape plants.* |
| *LC06.02* | *Understand pests and their control in landscapes.* |
| *LC06.03* | *Apply procedures to maintain turfgrass.* |
| *LC06.04* | *Apply procedures to maintain landscape equipment and tools.* |

**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.

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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.

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 *Student Signature and Date Parent Signature and Date*

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