

Horticulture III Syllabus

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Program Description:

Horticulture III, Landscaping and Grounds Maintenance (Year 3) is designed to introduce the student to the fundamental principles and practices of the landscape industry through the study of landscape design, installation, and maintenance. Through a variety of lectures and applied labs, the student will be exposed to the factors that are essential in developing an aesthetically pleasing and functional landscape plan. The course will review many of the agribusinesses associated with landscape design firms, landscape construction firms and landscape and lawn care maintenance companies. The course will also stress premier leadership, personal growth, and career development in the landscape industry.

Prerequisites: Horticulture I and Horticulture II

Program Purposes:

The purpose of the Horticulture III program is to prepare students for gainful employment and/or continuing college education in Agriculture by successfully accomplishing the following objectives:

- Identify careers found in the landscape industry
- Describe equipment used in the drafting process
- Explain the purpose of a site analysis sketch
- Explain the principles of design as applied to the landscape
- Identify plant qualities to be considered when selecting plants
- Explain how to price out a landscape plan
- Interpret specifications of a planting plan
- Describe proper landscape bed preparation
- Demonstrate how to properly prune landscape plants
- Determine fertilizer needs
- Describe how to establish turf
- List common turf management practices
- Explain how to control pests in the landscape
- Calculate landscape maintenance costs
- Complete the FFA Chapter Degree Application
- Carry out a Supervised Agriculture Experience Project
- Demonstrate employability skills

9.3 - Career & Technical Education (CTE) - Content Area: 21st Century Life and Careers

9.3.12.AG.3 - Examine and summarize the importance of health, safety and environmental management systems in AFNR businesses

9.3.12.AG.4 - Demonstrate stewardship of natural resources in AFNR activities

9.3.12.AG.5 - Describe career opportunities and means to achieve those opportunities in each of the Agriculture, Food & Natural Resources Career Pathways

9.3.12.AGBIZ.1 - Apply management planning principles in AFNR businesses

9.3.12.AGBIZ.2 - Use record keeping to accomplish AFNR Business objectives, manage budgets and comply with laws and regulations.

9.3.12.AGBIZ.3 - Manage cash budgets, credit budgets and credit for an AFNR business using generally accepted accounting principles

9.3.12.AGBIZ.4 - Develop a business plan for an AFNR business

9.3.12.AGBIZ.5 - Use sales and marketing principles to accomplish AFNR business objectives.

Career Ready Practices:

- CRP1. Act as a responsible and contributing citizen and employee
- CRP2. Apply appropriate academic and technical skills
- CRP3. Attend to personal health and financial well-being
- CRP4. Communicate clearly and effectively and with reason
- CRP5. Consider the environmental, social and economic impacts of decisions
- CRP6. Demonstrate creativity and innovation
- CRP7. Employ valid and reliable research strategies
- CRP8. Utilize critical thinking to make sense of problems and persevere in solving them
- CRP9. Model integrity, ethical leadership and effective management
- CRP10. Plan education and career paths aligned to personal goals
- CRP11. Use technology to enhance productivity
- CRP12. Work productively in teams while using cultural global competence