



**COWLEY COLLEGE
& Area Vocational Technical School**

COURSE PROCEDURE FOR

**Introduction to Horticulture
AGR1217 3 Credit Hours**

Student Level:

This course is open to students on the college level in either the Freshman or Sophomore year.

Catalog Description:

AGR1217 - Introduction to Horticulture (3 hrs)

An introduction to the principles and practices in the development, production and use of horticultural crops (fruits, vegetables, greenhouse, nursery, floral). Includes the classification, structure, growth and development, and environmental influences on horticultural plants: horticultural technology: and an introduction to the horticultural industries. Production and physiological principles involved in growing vegetable and fruit crops will be discussed. Emphasis will be placed on plants suitable for market gardening and farmer's markets.

Prerequisites:

None

Co-requisites:

None

Controlling Purpose:

The purpose of this this course is to introduce principles and practices in the development, production and use of horticultural crops (fruits, vegetables, greenhouse, nursery, floral) with specific emphasis placed on plants suitable for market gardening and farmer's markets.

Learner Outcomes:

Upon completion of the course, the student will

1. Describe horticulture and its role in community development and well-being.
2. Demonstrate a basic knowledge of plant science.
3. Demonstrate skills for growing and managing horticultural crops.

Units Outcomes and Criterion Based Evaluation Key for Core Content:

The following outline defines the minimum core content not including the final examination period. Instructors may add other material as time allows.

Evaluation Key:

- A = All major and minor goals have been achieved and the achievement level is considerably above the minimum required for doing more advanced work in the same field.
- B = All major goals have been achieved, but the student has failed to achieve some of the less important goals. However, the student has progressed to the point where the goals of work at the next level can be easily achieved.
- C = All major goals have been achieved, but many of the minor goals have not been achieved. In this grade range, the minimum level of proficiency represents a person who has achieved the major goals to the minimum amount of preparation necessary for taking more advanced work in the same field, but without any major handicap of inadequacy in his background.
- D = A few of the major goals have been achieved, but the student's achievement is so limited that he is not well prepared to work at a more advanced level in the same field.
- F = Failing, will be computed in GPA and hours attempted.
- N = No instruction or training in this area.

UNIT 1: Introduction to Horticulture						
Outcomes: Upon completion of this unit, the students will be able to successfully describe horticulture and its role in community development and well-being.						
A	B	C	D	F	N	Specific Competencies: Demonstrate the ability to:
						Demonstrate a working knowledge of horticultural terms and vocabulary.
						Identify the historical role horticulture has played in human cultures.
						Explore the importance of horticulture in the lives, health, and well-being of human populations.

UNIT 2: Basics of Plants						
Outcomes: Upon completion of this unit, the students will be able to successfully demonstrate a basic knowledge of plant science.						
A	B	C	D	F	N	Specific Competencies: Demonstrate the ability to:
						Demonstrate a working knowledge of the fundamental principles of plant growth and development.
						Explain how plants are classified and named and how to use those names to better select plants for the home garden and landscaping.
						Explain the environmental and cultural factors that affect how plants grow and thrive.
						Describe how to manage those environmental and cultural factors to grow better plants.
						Propagate plants both sexually and asexually.

UNIT 3: Applications of Cultivation

Outcomes: Upon completion of this unit, the students will be able to successfully demonstrate skills for growing and managing horticultural crops.

A	B	C	D	F	N	Specific Competencies:
						Demonstrate the ability to:
						Identify proper methods of planting, pruning, pest management, and soil preparation.
						Manage garden and lawn soils by composting, fertilizing and building them.
						Demonstrate how to use containers in different forms of gardening and landscaping.
						Demonstrate the correct methods of garden bed preparation.
						Demonstrate effective methods of propagation, transplanting, care and management of plants for landscaping.
						Identify and describe implications of chemical application and usage in managing horticultural crops.

Projects Required:

Varies, refer to syllabus.

Textbook:

Contact Bookstore for current textbook.

Materials/Equipment Required:

None

Attendance Policy:

Students should adhere to the attendance policy outlined by the instructor in the course syllabus.

Grading Policy:

The grading policy will be outlined by the instructor in the course syllabus.

Maximum class size:

Based on classroom occupancy

Course Time Frame:

The U.S. Department of Education, Higher Learning Commission and the Kansas Board of Regents define credit hour and have specific regulations that the college must follow when developing, teaching and assessing the educational aspects of the college. A credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally-established equivalency that reasonably approximates not less than one hour of classroom or direct faculty instruction and a minimum

of two hours of out-of-class student work for approximately fifteen weeks for one semester hour of credit or an equivalent amount of work over a different amount of time. The number of semester hours of credit allowed for each distance education or blended hybrid courses shall be assigned by the college based on the amount of time needed to achieve the same course outcomes in a purely face-to-face format.

Refer to the following policies:

[402.00 Academic Code of Conduct](#)

[263.00 Student Appeal of Course Grades](#)

[403.00 Student Code of Conduct](#)

Disability Services Program:

Cowley College, in recognition of state and federal laws, will accommodate a student with a documented disability. If a student has a disability which may impact work in this class and which requires accommodations, contact the Disability Services Coordinator.