# 8/12/2020

# brcc keystone logo

Baton Rouge Community College

*Academic Affairs Master Syllabus*

Date Approved: 11 September 2020

Term and Year of Implementation: Fall 2020

**Course Title:** General Horticulture

**BRCC Course Rubric:** HORT 2053

**Previous Course Rubric**: HORT 205

**Lecture Hours per week-Lab Hours per week-Credit Hours**: 3-0-3

**Per semester: Lecture Hours-Lab Hours-Instructional Contact Hours**: 45-0-45

**Louisiana Common Course Number:**

**CIP Code:** 01.1103

**Course Description:** Introduces the science and art of modern horticultural plant production, including propagation, fertilization, pest control, and pruning; major groups of garden crops including vegetables, fruits and nuts, ornamentals, houseplants and florist crops. Includes demonstrations on propagation and culture of garden plants in field and greenhouses.

**Prerequisites:**  None

**Co-requisites:** None

**Suggested Enrollment Cap:** 24

**Learning Outcomes.** *Upon successful completion of this course, the students will be able to:*

1. Demonstrate an understanding of plant classification, structure, growth, propagation and production in the field of horticulture.

2. Recognize the major commodity groups found in horticulture and describe the principles of each.

**Assessment Measures.** Assessment of all learning outcomes will be measured using the following methods:

1. Administration of unit exams during the semester

2. Instructor-designed assignments including, but not limited to, written and oral assignments, journal writings of field experiences, projects, homework, and quizzes. All assignments will be graded using an instructor-designed rubric.

**Information to be included on the Instructor’s Course Syllabi:**

* ***Disability Statement*:** Baton Rouge Community College seeks to meet the needs of its students in many ways. See the Office of Disability Services to receive suggestions for disability statements that should be included in each syllabus.
* ***Grading:*** The College grading policy should be included in the course syllabus. Any special practices should also go here. This should include the instructor’s and/or the department’s policy for make-up work. For example in a speech course, “Speeches not given on due date will receive no grade higher than a sixty” or “Make-up work will not be accepted after the last day of class”.
* ***Attendance Policy*:** Include the overall attendance policy of the college. Instructors may want to add additional information in individual syllabi to meet the needs of their courses.
* ***General Policies*:** Instructors’ policy on the use of things such as beepers and cell phones and/or hand held programmable calculators should be covered in this section.
* ***Cheating and Plagiarism*:** This must be included in all syllabi and should include the penalties for incidents in a given class. Students should have a clear idea of what constitutes cheating in a given course.
* ***Safety Concerns:*** In some courses, this may be a major issue. For example, “No student will be allowed in the lab without safety glasses”. General statements such as, “Items that may be harmful to one’s self or others should not be brought to class”.
* ***Library/ Learning Resources:*** Since the development of the total person is part of our mission, assignments in the library and/or the Learning Resources Center should be included to assist students in enhancing skills and in using resources. Students should be encouraged to use the library for reading enjoyment as part of lifelong learning.

**Expanded Course Outline:**

I. Introduction to Horticulture

II. History of Horticulture

III. Plant Anatomy

A. The Plant Cell

B. Simple and Complex Tissues

C. Stems, Buds, Leaves, and Roots

D. Flowers and Fruit

IV. Plant Propagation

A. Sexual

B. Vegetative

V. Plant Classification

VI. Plant Growth: Environment - Soil

VII. Plant Physiology

A. Vegetative Growth

B. Reproductive Growth

C. Photosynthesis and Respiration

VIII. Plant Breeding and Genetics

IX. Origin and Domestication of Cultivated Plants

X. Post-harvest Handling and Marketing of Horticultural Products

XI. Greenhouse Industry

XII. Landscape Design, Installation and Maintenance

XIII. Nursery Production

XIV. Turfgrass Establishment and Maintenance

XV. Fruit and Nut Crops Production

XVI. Vegetable Crop Production

XVII. Cut Flower Production

XVIII. Tropical Fruit and Nut Crop Production