Piedmont Technical College Course Syllabus

COURSE INFORMATION

Course Prefix/Number  HRT 230
Title: Greenhouse Technology
Responsible Division: Industrial Technology
Last Day to Withdraw from this Course: For the last date to withdraw from this course, consult the current Student Calendar.

Course Description:

For course, credit hour, pre-requisite(s) and co-requisite(s) information, visit the Detailed Course Information page: www.ptc.edu/courses/HRT230.

Textbook and Other Materials:

For textbook information and additional required and/or supplemental materials, visit the college bookstore (www.ptc.edu/bookstore).

Proctored Examinations:

Proctored examinations for distance learning courses taken at non-PTC campuses may require a proctoring fee for each exam taken.

COURSE POLICIES

Course policies are available online through the Academic Catalog and Student Handbook. Visit the Course Policies page (www.ptc.edu/syllabus/policies) for a detailed list of important policies and more information.

GRADE POLICY

Detailed grading policy information can be found on the Grading Policy webpage (http://www.ptc.edu/grading-policy). Final grade appeal information is available in the Academic Catalog (http://www.ptc.edu/catalog/).
ACCOMMODATIONS

Accommodations for ADA:

Information is available on the Student Disability Services webpage (http://www.ptc.edu/ada).

RATIONALE

Why do I need this course?

This course is a study of commercial greenhouse production techniques and facility management. In this course the principles and practical applications of commercial plant and flower production are taught. Emphasis is placed on plant growing structures, effects of environmental factors, growing media, nutrition and watering, plant propagation, and container grown crops.

PROGRAM INFORMATION

For program information including required courses, program learning outcomes, gainful employment information and advisement information, refer to the Academic Program webpage. Go to Academics (http://www.ptc.edu/academics), select your program, and then select Credentials Offered.

COURSE STUDENT LEARNING OUTCOMES

Upon successful completion of this course and/or clinical, each student will be able to:

- Evaluate a greenhouse facility to maximize production and efficient use.
- Apply greenhouse production techniques.
- Diagnose pest issues affecting greenhouse crops and recommend corrective control measures.
- Prepare detailed estimates for greenhouse production costs.
- Prepare a marketing plan for a retail greenhouse business.
- Provide annual color for existing landscapes at Piedmont Technical College.
- Grow plants from seed, cuttings, plugs, separation and division that are of a quality that are purchased in a public sale.
GENERAL EDUCATION COMPETENCIES

Piedmont Technical College General Education Competencies for All Graduates:

This course may address one or more of the following General Education Competencies (assessment will be stated when applicable):

**Communicate effectively.**
Assessment:
The student will plan a planting for the PTC Clock Tower area that will provided beauty and summer color for this important area at the front door of our college.

**Apply mathematical skills appropriate to an occupation.**
Assessment:
The student will apply mathematical skills needed to determine plant numbers and mulch requirements for the clock tower bed area.

**Employ effective processes for resolving problems and making decisions.**
Assessment:
N/A

**Demonstrate the basic computer skills necessary to function in a technological world.**
Assessment:
Student will demonstrate the ability to set a greenhouse computerized clock for a desired watering schedule.

To validate proficiency in the general education competencies, students in some programs will be tested using Work Keys.