Course Prefix and Number: HRT 195       Credits: 3

Course Title: Topics in Horticulture: Hydroponics

Course Description (including lecture hours, lab hours, total contacts)
Introduces students to the general knowledge of water and nutrient relationships as they relate to soilless media. Examines plant/water relationships and optimum nutrition. Lecture 3 hours per week.

General Course Purpose
To give students the knowledge and tools needed to successfully reproduce hydroponic/aquaponic trials. High yield plant production will be the focus of the course. This course serves as an elective for the Horticulture AAS degree program.

Course Prerequisites/Corequisites (Entry-level competencies required for enrollment)
none

Course Objectives (Each item should complete the following sentence.)
Upon completing the course, students will be able to:
a. Successfully build their own hydroponic production system.
b. Identify issues and solve problems as they relate to plant health.
c. Grow high yield crops and create inexpensive production units from readily available materials.

Major Topics to be Included
a. Hydroponics
b. Aquaponics
c. Plant nutrition
d. Plant/water relationships
e. Creative plant production systems

Effective Date of Course Content Summary (Month, Date Year): April 29, 2011

JSRCC Form No. 05-0002