Course Prefix and Number:  HRT 195  
Credits:  3

Course Title:  Topics in Horticulture: Hydroponics

Course Description:  Introduces the student to the topic of water and nutrient relationships as they relate to soilless media for plant production. Examines plant/water relationships and optimum nutrition. Lecture 3 hours per week.

General Course Purpose:  To give students the knowledge and tools needed to reproduce hydroponic/aquaponic trials successfully. High yield plant production will be the focus of the course

Course Prerequisites and Co-requisites:  
None

Student Learning Outcomes:  
Upon completing the course, the student will be able to
a. Successfully build their own hydroponic production system;  
b. Identify issues and solve problems as they relate to plant health; and  
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  
f. Current trends in the hydroponics industry

Date Created/Updated (Month, Day, and Year):  January 24, 2019