

Fall 2019

ENROLL NOW

PLS 217: Introduction to Hydroponics and Controlled Environment Agriculture



Lecture (3 cr):

T/TH

3:00-4:15pm

with

Greenhouse Lab (1 cr):

T/TH

4:15-5:30pm

At CEAC (Campbell and Roger Rd)

**Instructor: Dr. Stacy Tollefson
stacyl@email.arizona.edu**



For ALL STUDENTS regardless of major

What is Hydroponics?

Hydroponics is the cultivation of plants without the use of soil. Plants either grow with their roots placed directly in a liquid nutrient solution or in a soilless media with nutrient solution added by a drip system.

By controlling the environment and using hydroponics, we can not only grow crops year-round and in challenging environments, but we can do it with 1/10 of the water while producing 10x the yield, with consistent results every single harvest.

Hydroponics is the future, and will play an important component in feeding the 9 billion people we will need to feed by the year 2050.

Vertical farming!

Shipping containers!

Rooftop Greenhouses!

Aquaponics!

