



PLS 217: Introduction to Hydroponics and Controlled Environment Agriculture



For ALL STUDENTS regardless of major

Whether you're interested in pursuing a career working in the greenhouse industry, building vertical farms to feed rapidly growing urban populations, or just seeking something that can fill the therapeutic void of that Zen garden you weren't able to bring to Tucson, we've got you covered!!!

It's okay if you're a beginner! By the 2nd day of class you'll plant your tomatoes in the greenhouse and begin harvesting by November.

The course is divided into half lecture & half greenhouse work...
... so don't be afraid to get your thumbs green!

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.



ENROLL NOW

Fall 2018

**Tuesday and
Thursday
3:00-5:30pm**

**Instructor: Dr. Stacy Tollefson
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More info at CEAC.ARIZONA.EDU/PLS-217





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