

CRSN 152-03: IDEASS Lab

Natural Resource Management

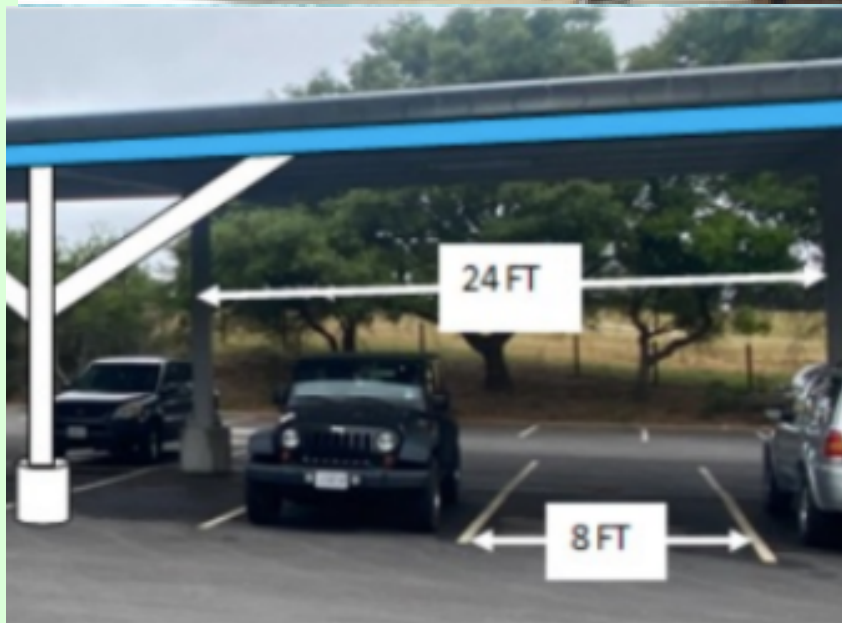
2021-2022 Project Topics

Instructor: Kristen Heady | Guest Instructor/Advisor: Kenneth Robert Minardi, P.E.



Non-Potable Water Systems (NPWS)

Non potable water systems, including rainwater harvesting (RWH) and stormwater harvesting (SWH) systems are good options for offsetting potable city water use, decreasing greenhouse gas emissions, and creating sustainable, localized water networks. For the UCSC campus, students will participate in real-world NPWS engineering designs and as a result will be able to get a job referral for work done in this class. Working closely with Courtney Trask (Campus Stormwater Manager), students will also have the opportunity to teach RWH to fifth-graders at Bay View Elementary with Stu Branoff as part of the DROPS (drought response outreach for schools) grant program.



UC Reserve Land Management

The UC Santa Cruz Campus is composed of over 2000 acres and is located in a truly unique natural setting. The proposed Long Range Development Plan (LRDP) for 2040 will increase the area of campus reserve and maintain a large portion of campus as natural space. During this class you will work with UC Reserve managers on land management issues. During the Natural Resource Management Laboratory Practicum, you will gain real-world experience in understanding how land is managed and processes that go into stewarding these areas. Through monitoring and mapping, you will help to create a land use plan that will balance trail use and fire with natural resource protection.

