8:20 AM  Welcome, introduction  
Instructors  
- Tim Hartz, Cooperative Extension Vegetable Crops Specialist, Dept. of Plant Sciences, UC Davis  
- Daniel Geisseler, Cooperative Extension Soils and Biogeochemistry Specialist, Dept. of Land, Air and Water Resources, UC Davis  
- Michael Cahn, Irrigation and Water Resources Farm Advisor, UC Cooperative Extension Monterey-Santa Cruz-San Benito Counties  
- Franz Niederholzer, Orchard Systems Farm Advisor, UC Cooperative Extension Sutter-Yuba-Colusa Counties  

8:30-10:00  SECTION 1  
- Soil nutrients, soil sampling and analytical techniques  
  Tim Hartz and Daniel Geisseler  

10:00-10:20  Break  

10:20-11:00  SECTION 2  
- Soil test interpretation and fertilizer choice  
  Tim Hartz  

11:00-11:30  SECTION 3  
- Irrigation and salinity management  
  Mike Cahn  

11:30-12:00 PM  CLASS EXERCISE  

12:00-1:00  Lunch  

1:00-1:30  SECTION 4  
- Soil, water and plant analysis for perennial crops  
  Franz Niederholzer  

1:30-2:10  SECTION 5  
- Soil nitrogen cycling and management  
  Daniel Geisseler  

2:10-3:20  SECTION 6  
- Crop nutrient management and environmental protection  
  Tim Hartz  

3:20-3:40  Break  

3:40-4:30 PM  CLASS EXERCISE