

33rd Annual Student Career Days
March 26 – 29, 2009
Cal Poly Pomona

IRRIGATION TROUBLESHOOTING

Description: The student (maximum of one individual per school) will be asked to successfully identify and correct problems associated with remote control valves, sprinklers, weather sensing devices, and electrical components within an irrigation system. All participants will take a written exam on Friday. Based on test scores, the top students will go on to compete in the hands-on event on Saturday. The hands-on portion of the event includes troubleshooting and correcting problems on a simulated irrigation system.

Time: Students will have one hour to complete the written exam on Friday. Students will be given 1 hour and 50 minutes to complete the hands-on event on Saturday

Limits: No limit on the number of students for the written exam. **The sponsor reserves the right to limit the number of students that will compete in the hands-on event based on exam scores, space constraints, and materials available.** Written exam scores for all participants will be included in individual and team scores.

JUDGING CRITERIA

Points: 100 possible points for the individual score; the individual score is doubled toward the team score for a total of 200 possible points.

The written exam will measure the contestants' knowledge of basic irrigation troubleshooting methods.

The hands-on event will create actual problems with the components of an irrigation system to include; controllers, remote control valves, sprinklers, and electrical wiring in which participants must identify and correct using the proper methods.

Time will only be used as a tiebreaker.

Students are required to bring the following materials to the event: Volt-ohm meter and two sharpened pencils with erasers (for written exam).

Sponsor is required to supply the following materials for the event:

- All equipment and materials necessary for the event (except volt-ohm meters)
- 70 copies of written exam with answer sheets
- Final solution for written exam ready for scoring the students' tests
- Stopwatches
- Sufficient number of judges and event monitors
- Any other items deemed necessary for this event