

ASCA Duck Race-Course: May 4, 2024

<https://www.asca-ca.org/annual-duck-race-fest>

Trophy



Location: Coelho Ranch,
47201 Arroyo Seco Road,
Greenfield, Ca.
Distance: 500 ft.
Width: 30-60 ft.
Depth: 12 inches to 9 ft

2022 winners:
Monterey Peninsula College

All questions referred to
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Setup, Prizes & Promotions

- **Practice Session:** Each College may schedule a visit to the site for their teams, with an agreed appointment in advance of the race. Also, from 9:00 AM to 10:30 AM on May 4th, the teams can inspect the route of the race from the rapids to the finish line and practice operating their Ducks in the actual Arroyo Seco River.
- **Team support:** ASCA will provide each College Team (**1 to 3 members**) a large Munchkin rubber duck, common to all entrants, and up to \$100 to support the costs of purchasing components of propulsion and remote steering, to be dispersed to them by their professors following their Professor's approval of the Team's proposed design and review of the component costs.
- **Prizes:** The 1st place team will receive \$1,000 The 2nd place team will receive \$500 and a 3rd team will receive \$250 for most innovative Design.
- **Promotion:** Each team will be promoted by ASCA press release provided to the college and local newspapers, any interested social media and the local television station that will include the photo of the team members.
- **Sustenance:** Each team member will be provided free barbecue and soft drinks

Rules of the Race

1. **Private Work-Place:** Each of the Teams provided a 3 ft x 3 ft table, and 2 chairs to work on their Duck, if required, Battery recharging will be available between races
1. **The races: Two heats and a final:** half the teams, randomly chosen in each heat, race downstream to the finish line with elapsed times of the first four (4) in each Heat recorded. The eight fastest Ducks in the order beginning with the fastest time to the slowest time, choose their starting locations, left to right on the starting line. **The three (3) fastest to the finish line in the finals will win the cash awards**
2. **Pit Stop:** There will be no “pit stops” during the 2022 races
3. **Radio Controls:** (1) radio-controlled ducks shall be on separate frequencies and shall not interfere with each other's control functions, (2) no "jamming" is allowed. (3) In the event of two identical entries on fixed, non-adjustable transmitters, the competition shall be settled by a coin toss. (4) Whenever possible, entrants will adjust frequencies to not interfere with each other's radio equipment prior to the event.
4. **Duck Handlers:** Each team needs one team member as their ***Duck Starter*** (who releases their Duck at the starting line) and another as their ***Duck Catcher*** (who catches their duck at the finish line). Both individuals will be standing on river rock in in shin deep water and must wear appropriate wet water shoes.
5. **No Interference:** Any racing duck found, by the ASCA referee, to have purposely interfered with the path of another Team's racing duck will be disqualified.
6. **Motion:** All racing ducks must be self powered and must, at-all-times, maintain contact between the duck bottom surface and the river water.
7. **Race times:** **Heat 1: 11:00 AM; Heat 2: 11:30 AM Finals: 1:00 PM** There will be one hour between the finish of the first race and the start of the 2nd race to allow for tune-ups of the Ducks for the 2nd race.
8. **Final Decisions:** Rule violations & contested circumstances will be decided by ASCA Referee (John Erich Rauber, BS & MS, civil engineering, UC Berkeley, who will not be allowed to bet on the races)