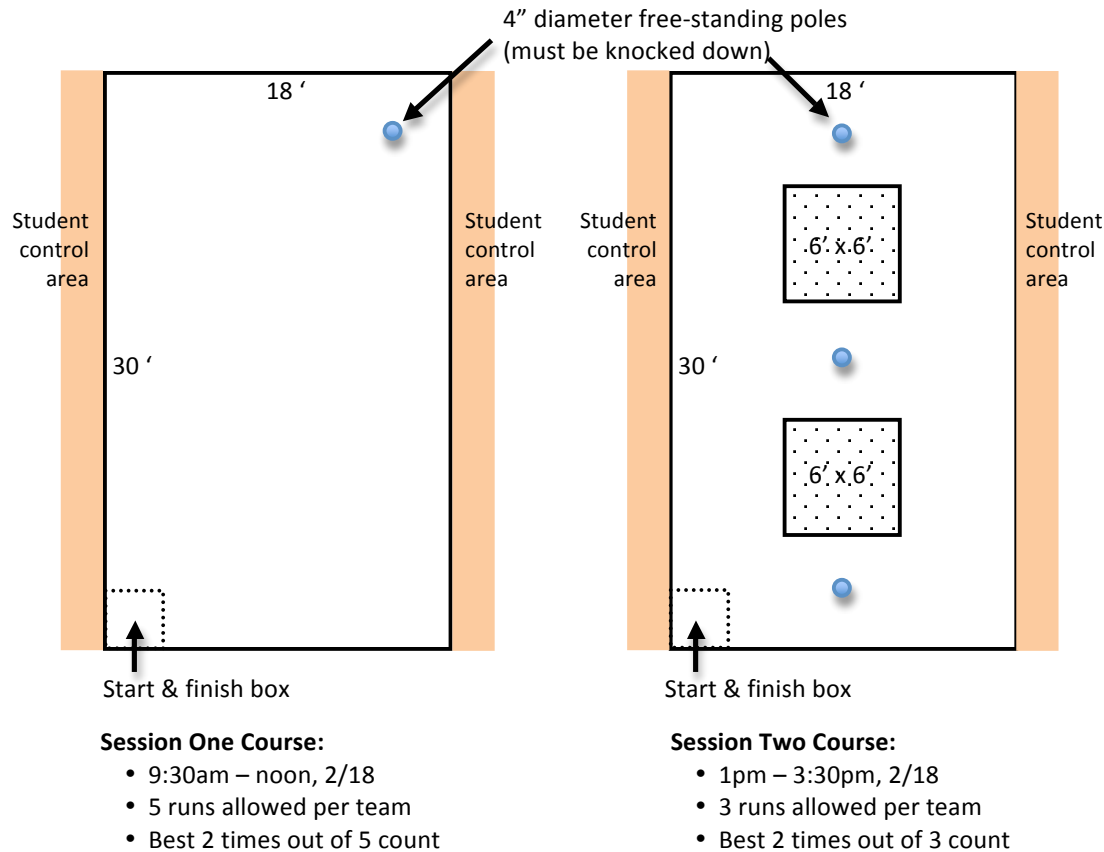


Competition and Track Description

2010 Electrical & Computer Engineering Laser Truck Rally

There will be two sessions for the competition on Thursday February 18th. The first session will test the cars on a relatively simple track, and will run from 9:30am – noon. The second session will require the cars to run a more complex track, and will run from 1:00pm – 3:30pm. The layout of the tracks for each of the two sessions is shown below:



Teams are allowed up to two laser pointers (controlled by at most two students) to control their cars. Students controlling the cars must remain in the orange areas labeled “student control area” in the diagrams above.

Each team will sign up for a single 15 minute slot in **each** of the two competition sessions. Sign-ups will be available at the ECE Office starting at 8am on Tuesday morning (February 16th). **All teams are required to compete in both competitions, so please make sure to sign up early to ensure you can get slots that work for your team during both the morning and afternoon sessions.** Maximum allowable times will be 3 minutes per attempt in the morning session, and 5 minutes per attempt in the afternoon session. If the car does not complete the required course on any given attempt within the allowable time, the attempt will be cut short and a time of either 3 or 5 minutes recorded for that attempt.

Teams will be allowed to place their car anywhere in the start/finish box. A signal will be given when timing commences. Time will be measured until the car crosses back into the start/finish box. Final scores will be computed by summing each team’s two fastest times from the morning session and two fastest times from the afternoon session. The team with the lowest combined time will win. **Please ensure that your car batteries are charged before each session.** All cars must be presented at the WSC between 9am and 9:30am on the day of the competition, and must remain there all day (although battery packs may be taken for charging).

A test course will be available for practice in the Garden Court of the WSC from 7 – 10pm on Wednesday Feb. 17th.