

Senior Design Project Description for FALL 2016

Project Title: Autocross Car Testing, Development and Competition (UNCC_AUTOC)

Supporter: UNC Charlotte

Supporter Technical Representative: ASSIGNED

Faculty Mentor: ASSIGNED TBD (check one)

Single Team Dual Team (check one)

Personnel (EN/ET): E, Cp, Cv, 5 M, SE

(Complete if the number of students required is known)

Expected person-hours: (250 per student)

Description of Project:

This team will test and further develop the UNCC Autocross race car and compete in local autocrosses. The car is the former “Pro Challenge” race car and has yet to compete reliably; however, we think it is ready.

Initial Project Requirements (e.g. weight, size, etc.):

Improvements might include modifications to allow a passenger or driving instructor seat or useful competition features to assist in transportation or track modifications. It is thought that since several students will be driving, we will race each other and it is not necessary to limit modifications to meet certain classifications (we might be in a class with Indy race cars).

Expected Deliverables/Results:

The deliverable will be an operational vehicle that has been tested and is capable of competing.

List here any specific skills or knowledge needed or suggested (If none please state none):

Motorsports students only