

Senior Design Project Description for FALL 2016

Project Title: 1968 Corvette Drivetrain Tuning (UNCC_68VET)

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, 3 M, SE

(Complete if the number of students required is known)

Expected person-hours: (250 per student)

Description of Project:

This team will work on improved safety, drivability, and ride on a highly modified 1968 Corvette.

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

This is a “hands on” project and the more things are developed, the better (i.e., ride comfort, acceleration, emergency brake, engine smoothness). The students do not have to be trained mechanics; however, they should not be afraid to disassemble a suspension. This is a learning process and guidance is available for every step. The car has spent the last year in the Kulwicky race shop and has a new 500+hp engine, Tremek 6 speed transmission, and rack and pinion steering. It historically needs considerable refinement and development.

Expected Deliverables/Results:

The deliverable will be an operational vehicle that has been tested.

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

Motorsports students only