



UNC CHARLOTTE

The WILLIAM STATES LEE COLLEGE of ENGINEERING

Senior Design Project Description for FALL 2016

Project Title: Diesel Engine Exhaust Heat Recovery System (UNCC_EXH)

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, 2 M, SE

(Complete if the number of students required is known)

Expected person-hours: (250 per student)

Description of Project:

This team will work with Professor Bari on a diesel engine waste heat recovery project.

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

This work will include thermodynamic analysis, and understanding of engine design, and “hands on” testing and manufacturing skills. Details of the design requirements will be provided at the start of the project.

Expected Deliverables/Results:

A fully operational and functional prototype is to be provided and tested.

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

Motorsports students only