COURSE DESCRIPTIONS BY COURSE DISCIPLINE PREFIX

LDD LIGHT DUTY DIESEL

LDD-112 Intro Light-Duty Diesel 3 (2-2) AND
Prerequisites: None
Corequisites: None
This course covers the history, evolution, basic design and operational parameters for light-duty diesel (LDD) engines used in on-road applications. Topics include familiarization with the light-duty diesel, safety procedures, engine service and maintenance procedures, and introduction to combustion and emission chemistry. Upon completion, students should be able to describe the design and operation of the LDD, perform basic service operations, and demonstrate proper safety procedures.(2013 FA)

LDD-181 Ldd Fuel Systems 4 (2-6) AND
Prerequisites: None
Corequisites: None
This course covers the light-duty diesel fuel delivery systems in on-road applications including hydraulic electronically controlled unit injectors, common-rail, mechanical pumps, and emerging technologies. Topics include diesel combustion theory, fuel system components, electronic and mechanical controls, and fuel types and chemistries that are common to the light-duty diesel engines. Upon completion, students should be able to demonstrate skills necessary to inspect, test, and replace fuel delivery components using appropriate service information and tools.(2013 FA)