

# Group 2 Class Roster 2010

*Below is a tentative planned class roster and corresponding nights spent on that subject material. The order is yet to be determined.*

## **DBA: Direct Based Analysis**

This one-night class is about how problems are approached and solved. Do you use your time wisely? Do you have a set approach once the problem is identified? What happens if you stray from the intended direction? This class will help with off of these issues and more. No equipment will be needed.

## **Advanced Scope Analysis**

Two nights will be set aside to increase everyone's skills in using a scope to solve intermittent and difficult problems. Low and high amp probes, along with pressure transducers and sync probes will be used in both recitation and hands-on formats. Please bring your scopes and accessories each night.

## **Electronics for Technicians**

An in-depth class using the college textbook "Circuit Analysis: Theory and Practice 3<sup>rd</sup> Ed by Robbins and Miller", this multi-night course will cover both theory and practical circuit analysis and design using both conventional means (proto-boards and leaded components) as well as computer aided analysis program. The book will be loaned to each technician so nothing needs to be bought, and that includes the circuit components. Some nights will require basic circuit analysis tools like a DMM and Amp probes. The initial plan is six nights, but this could increase or decrease depending upon the class. This was one of the highest-rated class sessions from the past two years!

## **Personal Computer Skills**

A must have skill set for any technician in the field today, this class deals with using a computer to fix vehicles and to be better educated for everyday challenges. Windows XP and 7 will be used. Please bring your laptops (if applicable) or desktops (monitor included) for this two night class session.

## **Smart Charging Systems**

With more and more OEMs advancing to computer controlled charging systems, this class session has become more needed than ever. Both Domestic and Asian vehicles will be discussed using scan data and circuit analysis tools for this two-night class.

## **TIPM: Totally Integrated Power Modules**

What use to be a simple fuse box is now a module and is often the gateway to the entire network! Learn to identify and analyze these modules and how to program them if replacement is necessary during this two-night course.

## **F.A.S.T. (Fuel Air System Technology)**

This one-night class will review return and return-less fuel systems as well as understanding and testing of many Secondary Air Injection (SAI) systems in use today.