Matlab & Simulink Prep

This 8-hour self-paced seminar on DVD is specifically tailored to meet the Matlab/Simulink requirements for students enrolling in the Powertrain and Advanced Propulsion courses at Ohio State, including ME7236 Powertrain Dynamics, ECE5554 Powertrain Control Systems, ME7384 Energy Modeling, Optimization & Control of Hybrid Vehicles, & ME7383 Electrochemical Energy Conversion and Storage Systems for Automotive Applications.

Designed specifically for OSU's graduate automotive engineering courses, this seminar requires some rudimentary exposure and introduction to basic Matlab.

Lectures on Matlab/Simulink cover the following:

• Introductory one-hour “basics overview” module
• Concepts in modeling and control needed for Powertrain certificate courses
• Theme examples of Powertrain components are used to prepare students for course homeworks and projects
• Various Matlab toolboxes used specifically in the Powertrain courses

Prerequisite: Undergraduate engineering or science degree

Ohio State University’s automotive engineering certificates include international collaboration with European partners, Swiss Federal Institute, ETH, and University of Stuttgart, as well as with Asian partner, Korean Advanced Institute of Science and Technology.

For detailed information on Ohio State University’s graduate-level automotive engineering certificates, visit our web site listed below to view overviews for the 3 automotive certificates, preparatory seminars and credit courses.