MECH6316 - Digital Control of Automotive Powertrain Systems

MECH 6316 (SYSE 6322) Digital Control of Automotive Powertrain Systems (3 semester hours) Digital control systems, discretization and design by equivalents. Input-output design and discrete-time state variable estimation and control. Introduction to various control problems in automotive powertrains. Application of digital control principles to automotive powertrains for internal combustion engine idle speed control and air-to-fuel ratio control. Prerequisites: EE 4310 or MECH 4310 or equivalents (3-0) T (2016-02-05 21:11:06)