













С	SE466 Syllabus
q	Introduction: What is an Embedded System. Characteristics Figures of Merit An Example Our Design Problem
đ	Embedded Hardware Digital Circuits Microcontrollers Memory and I/O (RS-232, UART) (memory mapping) Physical World Interfaces (sensors and actuators)
P	The 8051 Architecture and the Keil Tools
đ	Development Environment Assembly Language Simulation Debugging C for Microcontrollers Monitors, ICE, Single Stepping, Breakpoints, etc.
đ	Embedded Operating Systems (Real Time OS) Scheduling Synchronization and Communication Response Time Device Drivers
P	Embedded Networking
P	Safety, Ethics, and Societal Impact
	CSE466 - Fall 2000- 8



