EE 281 September 27, 2001
Embedded Systems Design Laboratory Handout #2

Tentative Course Schedule

Week	Lectures	Topics	Assignments
#1	9/25 9/27	- Introduction to the course - Atmel AVR processors and tools overview - Using I/O ports	Begin Lab#0 Begin Lab#1
#2	10/2 10/4	- AVR architecture, instruction set, and timers - AVRstudio assembler directives - Using interrupts and timers	
#3	10/9 10/11	- Using serial communications - Using A/D converter, analog comparator - Real-time clock	Lab#1 due 10/7 Lab#2 assigned
#4	10/16 10/18	- Introduction to AVR-GCC - Accessing hardware using C - The AVR-GCC libc library functions	Lab#2 due 10/16 Discuss Project (Lab#0) Lab#3 assigned
#5	10/23 10/25	- AVRlib libraries - Electronics and software for driving motors	Lab#3 due 10/23 Lab#4 assigned
#6	10/30 11/1	- How to access embedded system peripherals - Mapping into memory - SPI, I2C, and networks	Lab#4 due 11/1 Work on Project
#7	11/6 11/8	- Using intelligent displays (LED, LCD)	
#8	11/13 11/15	- Embedded Operating Systems - What do you want to hear about?	Project progress check-in
#9	11/20 11/22	- Student Lectures - Student Lectures	
#10	11/27 11/29	- Student Lectures - Thanksgiving (no class)	
#11	12/4 12/6	- Student Lectures - Project Demonstrations and Course Evaluations	 Project Demonstration
#12	12/13	- Finals Week	Project Documentation Due