

Programming Embedded Interfaces

Prof. Brygg Ullmer, ullmer@csc.lsu.edu

CSC4999 s16, spring 2005

Mon-Wed-Fri 10:40-11:30, Coates 237

<http://csc.lsu.edu/~ullmer/courses/csc4999/>

20%: mid-term exam: ~Mar 9

25%: first project (programming PIC blades in C) : ~Mar 2

35%: second project (multiple networked blades in !C) : ~May 2

20%: class participation

	M	W	F	topic
1		19-Jan	21-Jan	Introduction and overview
2	24-Jan	26-Jan	28-Jan	Intro to the PIC microcontroller
3	31-Jan	2-Feb	4-Feb	Embedded interfaces to sensors
4	7-Feb	9-Feb	11-Feb	Embedded interfaces to actuators and displays
5	14-Feb	16-Feb	18-Feb	Hands-on embedded programming, basic electronics
6	21-Feb	23-Feb	25-Feb	Hands-on embedded programming
7	28-Feb	2-Mar	4-Mar	Intro to the Rabbit microcontroller; first project due
8	7-Mar	9-Mar	11-Mar	mid-term test
9	14-Mar	16-Mar	18-Mar	Embedded interfaces for facilitating human interaction
10	21-Mar	23-Mar	25-Mar	
11	28-Mar	30-Mar	1-Apr	High-level programming of embedded interfaces
12	4-Apr	6-Apr	8-Apr	Planning and resources for projects
13	11-Apr	13-Apr	15-Apr	Embedded interfaces to networks
14	18-Apr	20-Apr	22-Apr	Embedded interfaces to grids
15	25-Apr	27-Apr	29-Apr	
16	2-May	4-May	6-May	Second project deadline + presentation