EECS 498 advanced embedded systems, Fall 2012

Day	Date	Topic	Labs	Assignment due dates
Monday	9/3/2012	No class: Labor Day	Lab 1: Intro to Arduino	
Wednesday	9/5/2012	L1: Class introduction, Design overview, Arduino basics		
Monday	9/10/2012	L2: Introduction to PCB design	Lab2: Designing for Arduino	HW1: Project ideas
Wednesday	9/12/2012	Project Group formation		
Monday	9/17/2012	L3: Embedded Linux	Lab 3: PCB design	PG1: Purpose statement, Design requirements & team agreement
Wednesday	9/19/2012	L4: Linux device drivers		
Monday	9/24/2012	L5: RT systems and scheduling algorithms	Lab 4: Embedded Linux	PG2: Engineering specification
Wednesday	9/26/2012	L6: Review and topic group formation		
Monday	10/1/2012	No class: group meetings		**PG3: Formal proposal**
Wednesday	10/3/2012	Guest speaker--Project Design**		PG: Meet with staff (Wed-Fri), TG1: proposal
Monday	10/8/2012	L7: RTOSes	Lab 5: Scheduling and RTOS	
Wednesday	10/10/2012	Class cancelled--work on project and prelab		Topic Group meetings start here
Monday	10/15/2012	Fall Break		
Wednesday	10/17/2012	L8: Power: Basics in the context of embedded systems		
Monday	10/22/2012	No class: Milestone meetings		PG4: Milestone 1 report & staff meeting
Wednesday	10/24/2012	L9: Power: Batteries and regulators on PCBs		HW2
Monday	10/29/2012	*Midterm Exam*		
Wednesday	10/31/2012	Student topic presentations*		
Monday	11/5/2012	L10: Power distribution networks, SI, PI & EMI		
Wednesday	11/7/2012	Student topic presentations*		
Thursday	11/8/2012	LAST DAY TO ORDER PCBS!		ALL PCBS ORDERED!
Monday	11/12/2012	**No class:** Milestone meetings		PG5: Milestone 2 report & staff meeting
Wednesday	11/14/2012	Student topic presentations*		
Monday	11/19/2012	L11: Digital Signal Processors		
Wednesday	11/21/2012	Thanksgiving break		
Monday	11/26/2012	**No class: work on projects, we'll be in the lab**		
Wednesday	11/28/2012	L12: Power and antennas		
Monday	12/3/2012	**No class**: Prep for demos and design expo		
Wednesday	12/5/2012	In-lab demos		HW3
Thursday	12/6/2012	Design expo!		**PG7: Design Expo**
Monday	12/10/2012	Demos to staff/peers		**PG8: Final report and staff demo**
Wednesday	12/12/2012	Final exam, 1:30-3:30		

* Student groups of 2-3 will give a 35 minute talk
** Date is preliminary

PG: Project Group
TG: Topic Group