EECS 452 schedule, Fall 2014

Week	Day	Date	What	Other
1			**Lots of reading**	
	Tuesday	September 02	Class introduction, DSP review	HW1 assigned. Pre-project idea (PPI) assignment.
	Thursday	September 04	Sampling and reconstruction, FIR filters	
2			**Lab 1: Introduction to the C5515 eZDSP Stick**	Prelabs due before lab
	Tuesday	September 09	Fixed point programming, intro to DDS	HW1 due, HW2 assigned
	Thursday	September 11	DDS. Gate level arithmetic.	upload PPI assignment to `Ctools`
3			**Lab 2: Basic DSP Using the C5515 eZDSP Stick**	
	Tuesday	September 16	FPGA programming	HW2 due, HW3 assigned. PPI comments due (Ctools Test Center)
	Thursday	September 18	ADC	
	Thursday	September 18	Project team formation meeting	7-9PM, Dow 3150
4			**Lab 3: Introduction to the DE2-70 FPGA board**	
	Tuesday	September 23	DAC	HW3 due, HW4 assigned
	Thursday	September 25	Finite precision IIR filters, roundoff considerations	
	Friday	September 26	Team project proposals due	email proposals to `hero`
5			**Lab 4: DSP on the DE2-70 FPGA board**	
	Monday	September 29	Proposal presentations	6:00-10PM, EECS 1311
	Tuesday	September 30	IIR filter design issues	
	Thursday	October 02	Embedded DFT and FFT	HW4 due. HW5 assigned
6			**Lab 5: IIR filters**	
	Tuesday	October 07	FFT windowing, Interrupts	
	Thursday	October 09	Real time DSP	
	Friday	October 10	Deadline for parts orders for projects	See webpage for order form
7			**Lab 6: Interrupts, FFT, and Graphics (T section shifted to Th due to break)**	
	Tuesday	October 14	No lecture (Fall break)	
	Thursday	October 16	No lecture	HW5 due
8			**Lab 7a,b,c: SPI, Video capture, transfer function measurement (Optional).**	
			Henceforth, lab facilities become dominated by project development activities	
	Tuesday	October 21	Review session for midterm exam	In class
	Thursday	October 23	No lecture. Midterm exam preparation	Midterm 7-9PM, EECS 1311
9	Tuesday	October 28	No lecture: Work on projects	
	Thursday	October 30	No lecture: Work on projects	
10	Tuesday	November 04	No lecture: Work on projects	
	Thursday	November 06	No lecture. Milestone meetings* scheduled during day.	Milestone 1 meetings in EECS 4419
11	Tuesday	November 11	No lecture: Work on projects	
	Thursday	November 13	No lecture: Work on projects	
12	Tuesday	November 18	No lecture: Work on projects	
	Thursday	November 20	Lecture by Center for Entrepreneurship	Each team does 5 min overview of project progress
13	Tuesday	November 25	No lecture. Milestone meetings* scheduled during day.	Milestone 2 meetings in EECS 4419
	Thursday	November 27	No lecture. Thanksgiving.	
14	Tuesday	December 02	No lecture. Work in preparing for Design Expo	
	Thursday	December 04	No lecture. COE Design Expo 12-4PM	COE Design Expo in Duderstadt
15	Tuesday	December 09	No lecture: prepare for final project presentation	
	Wednesda	December 10	Project presentations start at 6PM	Final project presentation: 6:00-11:00PM, EECS 1311
	Friday	December 12	Project final reports and self assessments due	email to `hero` by 5PM

* Milestone meetings in 4419 EECS from 8:30AM-1PM. Signups will be by doodle.

** Lecture topics are tentative and subject to change