

cs543 DASHBOARD: 2015/16 Term 2 (Jan-Apr 2016)

TENTATIVE SCHEDULE

Updated: 2016.04.15a

Wk	Sunday pm	Monday	Mon, pm	Wed	Thursday	Friday
	Readings & Questions Due: Sundays 18:00 see 543 biblio	Class 13:00-16:00 ICICS x360	Open Lab 16:00-17:30 ICICS x360		Required Lab 09:30-11:00 ICICS x360	Deliverable Due: Fridays 10:00 (am) see Deliverables
W01	3-Jan	4-Jan	4-Jan	6-Jan	7-Jan	8-Jan
	[Reading Question instructions] "Reading Questions" are due on date reading is listed. E.g., questions on Reading W02 are due Sun Jan 10, 18:00.	1st day of classes (a) Lect: Course overview [pdf] (b) Demo: Oliver Schneider, living phone [video] Student Do-Do List: [pdf] Assign 1 out - physical design quiz [.doc]	None in 1st week		Required Lab SPIN LAB DEMOS (X508)	Deliverable DUE: Assgn 1 - Physical Design quiz (handin) (handin setup TBA)
W02	10-Jan	11-Jan	11-Jan	13-Jan	14-Jan	15-Jan
	Reading W02: 1. Lim et al, 2008. The anatomy of prototypes 2. Hopson 2009. Kinetic Design and Animation ref: Haptic Sketching rsrc	Class (a) Lect: Approaches to Physical Interaction Design [pdf] (b) Lect: Haptic Sketching; levels [pdf] (c) Project: [intro] [full assign] Announcements: [piazza] Lab 1 out: [No-Tech Puppeteering]	Open Lab Work on: Lab 1, project ads		Required Lab Work on: Lab 1, project ads	Deliverable Due: project ads (as twiki post on project ads page)
W03	17-Jan	18-Jan	18-Jan	20-Jan	21-Jan	22-Jan
	Reading W03: W03 reading details [rtf] 1. Igoe et al 2004. Physical Computing (Ch 8: PhID) 2. Hayward 2007 ref: Haptic Sketching rsrc	Class (a) Lect: Basic mechatronic elements [pdf] (b) Lab: Arduino intro [pdf] then, work on Lab 1 Announcements: [piazza] Lab 2 out: [Basic Arduino]	Open Lab Work on: Lab 1		Required Lab Work on: Lab 1; and on Lab 2, if Arduino kits have arrived.	Deliverable Due: Lab 1 - no-tech Puppeteering (wiki: blog post on labs page) Due: proj teams formed (as twiki post) on project team-forming page)
W04	24-Jan	25-Jan	25-Jan	27-Jan	28-Jan	29-Jan
	Reading W04: W04 reading details [rtf] Roberts 2010; Hook 2008	Class (a) Lect: Communicating - Affect [pdf] (b) Lab: work on Lab 2, 3 Announcements: [piazza] Lab 3 out: [Communicate something]	Open Lab Work on: Lab 2/3, project proposal		Required Lab Work on: Lab 2/3, project proposal	Deliverable Due: Lab 2 [Basic Arduino] (wiki: blog post on labs page) - <i>deferred due to late kit delivery</i> Due: project proposal (handin)
W05	31-Jan	1-Feb	1-Feb	3-Feb	4-Feb	5-Feb
	Reading W05: W05 reading details [rtf] UMich tutorial on system modeling; Schneider 16 and/or Swindells 06a	Class (a) Lect: Rendering 1 - rigid surfaces & static blocks [pdf] (b) Lab: <i>team project meetings w/ instructor; work on Lab 3</i> Announcements: [piazza]	Open Lab Work on: Lab 3, project		Required Lab Work on: Lab 3, project	Deliverable Due: Lab 3 - communicate something (wiki: blog post on labs page)
				Due (Wed Feb 3, 10:00am): Lab 2 - [Basic Arduino] (wiki: blog post on labs page)		

W06	7-Feb	8-Feb	8-Feb	10-Feb	11-Feb	12-Feb
	<p>Reading: W06</p> <p>W06 reading details [rtf]</p> <p>Haans 2006, MacLean 2008</p>	FAMILY DAY - UBC Closed	Open Lab		Required Lab	Deliverable
			Work on: project		(a) Project Demos (b) Proj prog mtgs 1/4	None
	14-Feb	15-Feb	15-Feb	17-Feb	18-Feb	19-Feb
READING WEEK						
W07	21-Feb	22-Feb	22-Feb	24-Feb	25-Feb	26-Feb
	<p>Reading W07:</p> <p>W07 reading details [rtf]</p> <p>Khatib online</p>	Class	Open Lab		Required Lab	Deliverable
		(a) Lect: PID Control [pdf] (b) Twiddlerino intro (c) Lab: work on Lab 4 Announcements: [piazza] Lab 4 out: Controlled actuation using PID [pdf]	Work on: Lab 4, project		Work on: Lab 4, project. KM present only 1st 20min.	Due: project iteration 1 (wiki: proj blog posts + demo in W08)
W08	28-Feb	29-Feb	29-Feb	2-Mar	3-Mar	4-Mar
	<p>Reading W08:</p> <p>W08 reading details [rtf]</p> <p>Abbink 2006</p>	Class	Open Lab		Required Lab	Deliverable
		(a) Lect: Communicating - sharing control, user and system [pdf] (b) Proj: demos & prog mtgs 2/4 Announcements: [piazza] Lab 5 out: rendered creation [pdf]	Work on: Lab 4, project		Work on: Lab 4, project KM present only 1st 20min.	Due: Lab 4 - controlled actuation using PID (wiki: blog post on labs page)
W09	6-Mar	7-Mar	7-Mar	9-Mar	10-Mar	11-Mar
	<p>Reading W09:</p> <p>W09 reading details [rtf]</p> <p>Zilles 1995; Otaduy 2013</p>	Class	Open Lab		Required Lab	Deliverable
		(a) Lect: Rendering 2 - dynamic systems [pdf] (b) Lab: work on Lab 5 Announcements: [piazza]	Work on: Lab 5, project		Work on: Lab 5, project	Due: Lab 5 - Rendered creation (wiki: blog post on labs page)
W10	13-Mar	14-Mar	14-Mar	16-Mar	17-Mar	18-Mar
	<p>Reading W10:</p> <p>W10 reading details [rtf]</p> <p>Klatzky 2013; Choi 2013 optional: Jones 2009</p>	Class	Open Lab		Required Lab	Deliverable
		(a) Lect: Human sensing & motor control [pdf] (b) Lect: Rendering 3 - textures & surface properties [pdf] Announcements: [piazza]	Work on: project		(a) Proj: Demos & prog mtgs 3/4 (b) Work on: project	Project Iteration 2 moved to Mar 21
W11	20-Mar	21-Mar	21-Mar	23-Mar	24-Mar	25-Mar
	<p>Reading W11:</p> <p>W11 reading details [rtf]</p> <p>Ernst 2004; Gray 2013; Hayward 2008.</p>	Class	Open Lab		Required Lab	Good Friday - UBC Closed
		(a) Lect: Cross-modal interactions [pdf] (b) Lect: Workload theory & multimodal interfaces [pdf] Announcements: [piazza] Due: project iteration 2 (wiki: proj blog posts - Mar 21 11:59p)	Work on: project		Work on: project; finalize direction for Iteration 3.	
W12	27-Mar	28-Mar	28-Mar	30-Mar	31-Mar	1-Apr
	Reading: none	Easter Monday - UBC Closed	Open Lab		Required Lab	
			Work on: project		(a) Lect: Evaluating interfaces for workload [pdf] [paper] [piazza] (b) Proj: prog mtgs 4/4	

W13	3-Apr	4-Apr	4-Apr	6-Apr	7-Apr	8-Apr
	Reading W13: <i>W13 reading details [rtf]</i> Sarter 2013; plus Oram 2014 OR Pan 2014.	Class Work on: project (TA Paul present 13:00-17:00) <i>Instructor traveling (KTH Sweden)</i> Announcements: []	Open Lab Work on: project		Required Lab Work on: project <i>Instructor traveling (HAPTICS Phil)</i>	Deliverable <i>Last day of classes</i> Due: project iteration 3 wiki: proj blog posts . <i>Accepted late w/ no penalty until Saturday 9 April, 18:00</i>
W14	10-Apr	11-Apr	11-Apr	13-Apr	14-Apr	15-Apr
		<i>Instructor traveling (HAPTICS Phil)</i>	Exams start			Final project demos & presentations at extended MUX seminar (HCI group) [FRI 04.15 09:30 (setup)-12:00] DUE: proj pres slides Fri, 08:00am (handin)
W15	17-Apr	18-Apr	18-Apr	20-Apr	21-Apr	22-Apr
				DUE: project final report Handin, Wed 04.20 18:00	DUE: final surveys - Thu 04.21, 09:00 - teammate eval - course component eval	
W16	24-Apr	25-Apr	25-Apr	27-Apr	28-Apr	29-Apr
				Exams end		