	Date	Topic	Reading (before class!)	In Class Activity	Lab: TBD Ryerson
		CMSC 234/334 Syllabus, Draft 1/4/16	Class and Lab	TuTh 1030-1150, Ry 251	
	Date	**Topic**	**Reading (before class!)**	**In Class Activity**	**Assignment**
Week 1	1/5/16	Course Overview, Objectives, Platforms, Projects; Mobile != Desktop Computing			Lab #1 Out
	1/7/16	Stereo Image-based 3D Model Construction	Pollefeys, "Urban 3D reconstruction"	Design of Mobile applications, Storyplace.me	
		Simple Graphics?			Lab #1 Due, 1/8/16
Week 2	1/12/16	Indoor: Depth-based 3D reconstruction in real-time Kinect Fusion	KinectFusion Siggraph 2011	Sensor networks, Intelligent infrastructure; Internet of things	Lab #2a Out
	1/14/16	Project Structure; Project Thinking - emulate, riff, radical new; Past projects.Top venues.		Types of Projects, Project thinking, Team formation; 1 page of project ideas	Project Assignment (multi-part) out; Lab #2b Out
Week 3	1/19/16	Virtual reality and Augmented Reality Examples		Examples from Siggraph, Ubicomp, etc.	Lab 2a Due, 1/19/16
	1/21/16	Self-Driving Cars, DARPA Grand Challenge	DARPA grand challenge		
					Project Team + Platform + Idea Due, 1/22/16
Week 4	1/26/16	Ubicomp, Human Computer Interaction Basics, User-experience Design	Weiser "Computer for the 21st Century";		Lab 2b due, 1/26/16
	1/28/16	Internet of Things, CES, Mobile World Congress			
Week 5	2/2/16	Project Ideas "5-minute Pitch"	Work on project ideas / pitches		Project Pitch
	2/4/16	Project Ideas "5-minute Pitch"	Work on project ideas / pitches		Project Pitch
Week 6	2/9/16	Socially-Aware Mobile Phones	Pentland, "Vibefones"		Project Plan Due
	2/11/16	Accelerometer-based Activity Inference	Intille, "Activity Recognition"		Quiz #1
Week 7	2/16/16	Privacy Regulation, Best Practices	Langheinrich, "Privacy by Design... Ubicomp"		
	2/18/16	Array of Things	Charlie Catlett, Guest Lecture	https://arrayofthings.github.io	
Week 8	2/23/16	Class cancelled	Team Meetings; Discussions with teaching staff		Review status and course correction
	2/25/16	Privacy in Mobile Computing (current)			

Week 9	3/1/16	Privacy in Augmented Reality and Virtual Reality	Jana, "Enabling Fine-grained Permissions for Augmented Reality"		
	3/3/16	tbd / Quiz #2			Quiz #2
Week 10	3/8/16	Class cancelled			
Finals Week	3/15/16, 8am-1pm	**Project Presentations, 8am-1pm, Location Ry 255**			
Final Poster, Slides, Retrospective	3/18/16	Final Project Materials Turnin	Turn in ppt and pdf for poster, and 2-3 page retrospective writeup		