

Date	Lecture Topic		Assignment Out		Assignment In	Project
	Hour 1	Hour 2	Programmers	Appers		
<b>January 11, 2011</b>	Introduction - Motivation; including project goal, creativity, cross-disciplinary interaction and communication	Getting Started with Basics of Android App Inventor Environment, describe P1 and C1.	<b>P1</b> - Download environment; Hello World; Layout & Listeners	<b>A1</b> - Introduction to App Inventor for non-Programmers; First ideas		Introductions
<b>January 18, 2011</b>	Mobile phone & Android Development Toolkit environment, basics; List and Files					Form Groups
<b>January 25, 2011</b>	Assignments P2, A2; Overview of Capabilities;	Case Studies: Ocarina, TeamChooser	<b>P2</b> - Containers, Select, Lists and Files	<b>A2</b> - Lists & Files in App Inventor	<b>P1/A1</b>	Work on Proposals; can submit for pre-approval
<b>February 1, 2011</b>	Location, Motion Sensing, Image Capture; Discussion of Proposals	Study 2: Google Winners;			<b>P2/A2</b>	1 Page proposal due
<b>February 8, 2011</b>	Assignments P3, A3; Handlers and Posts; Phone Handouts; Discussion of Proposals;	Case study 3: Capabilities: GPS, AccelerometerSound, Image, Video, Digital Signal Processing, Recogniton	<b>P3</b> - Location, Motion Sensors and Image Capture	<b>A3</b> - Case Study on Application in your Field; (possibly final app inventor assignment)		Project Plan due
<b>February 15, 2011</b>	Threads and Databases, Assignment P4 and A4. Project Methods; Spiral Method; Plan presentations.		<b>P4</b> - Threads and Databases	<b>A4</b> - field teaching document	<b>P3/A3</b>	
<b>February 22, 2011</b>	Plan presentations					
<b>March 1, 2011</b>	<b>Class Cancelled</b>				<b>P4/A4</b>	
<b>March 8, 2011</b>	Audio Processing				First version of Working App	
<b>March 15, 2011</b>	Image Processing					
<b>March 22, 2011</b>						
<b>March 29, 2011</b>						
<b>April 5, 2011</b>	Project Presentations					
<b>April 12, 2011</b>	Project Presentations					Final Reports Due