



EE357 – Spring 2013

LAB Session #1
Introduction



TA Information



- Sang Wook Stephen Do
 - Known as 'Sang' @ USC
 - Email:
 - sdo@usc.edu
 - Please prefix '[EE357]' on the subject line.
 - Office hours:
 - Monday & Wednesday 12:30 ~ 1:50 PM.
 - EEB230
 - (213) 740-2240
 - Class website:
 - Blackboard.usc.edu
 - Research interest
 - Multi-core/processor coherence and consistency



Administration



- Class/LAB meeting
 - Friday
 - 11:00 ~ 11:50
 - 12:00 ~ 12:50
 - RTH 105
- LAB assignments
 - Assigned, finished and evaluated during class.
 - 2 individuals / team
 - Grades will be posted on the class website (blackboard.usc.edu)



Administration



- Tools
 - Coldfire board (MCF52259)
 - One board / team
 - Ask Tim Boston in EEB100.
 - Have components such as:
 - Flash memory (512 KB); RAM (64 KB), Interrupt controller; timers; UART (RS232) serial port; USB; and etc.
 - www.freescale.com
 - Manuals uploaded on blackboard.usc.edu
 - coldFireManual.pdf
 - MCF52259RM.pdf
 - Codewarrior
 - Eclipse-based IDE (Integrated Development Environment)
 - Coding; debugging; running; inspecting machine states; and etc.
 - Connects to the Coldfire board through USB
 - VirtualBox
 - Runs pre-installed Codewarrior on Ubuntu image.
 - Installation guide and the Ubuntu image file will be distributed.



Administration



LAB schedule

Subject to change with notification.

2013 EE357 LAB (discussion) schedule - Sang W. S. Do (sdo@usc.edu)

Class meeting: every Friday 11 – 12; 12 – 1 in RTH 105

Week	Date	LAB
1	01/18/2013	Introduction: Codewarrior setup and teaming up
2	01/25/2013	LAB1: C and Assembly project (10 pts.)
3	02/01/2013	LAB2: Looping and I/O (20 pts.)
4	02/08/2013	Contd.
5	02/15/2013	LAB3: Addressing mode and assembly directives (10 pts.)
6	02/22/2013	LAB4: Array processing (20 pts.)
7	03/01/2013	Contd.
8	03/08/2013	LAB5: Branch subroutine (10 pts.)
9	03/15/2013	LAB6: Array processing using function calls (10 pts.)
10	03/29/2013	LAB7: TRAP (10 pts.)
11	04/05/2013	LAB8: Floating point handling (30 pts.) or UART
12	04/12/2013	Contd.
13	04/19/2013	Contd.
14	04/26/2013	LAB9: State machine (20 pts.) or UART
15	05/03/2013	Contd.

^{*} Max. points: 140 pts.

