

**First Class January 12, 2015**

**Instructor:**

Prof. Hector Erives; Phone: 505-835-5932; Email: erives@ee.nmt.edu

**Texts:**

- The HCS12/9S12: An Introduction to Software and Hardware Interfacing, by H.W. Huang
- Freescale Databooks on the MC9S12

**Class Schedule**

Mon, Wed, Fri 13:00 – 13:50, WORKC 109

**Office Hours**

Mon- Fri 9:00 - 10:00 A.M.

**Course Overview:**

This course develops on a basic understanding on the use of the MC9S12 microcontroller. The topics that we will address in this class include assembly and C language programming, peripherals of the MC9S12, time subsystems, A/D converter subsystem, serial peripheral interface (SPI) and serial communications.

**Tentative Class Structure**

<b>Item</b>	<b>Description</b>	<b>Worth points</b>
Homework	Homework will be assigned regularly	10
Quizzes	Short quizzes will be given regularly on Fridays	10
Partial tests	Three partial tests	3x15=45
Final test	Comprehensive final test	10
Laboratory		25

**Note: A 25% penalty applies to late work. Need to pass the Laboratory to be able to pass the course.**

**Laboratory information:**

Check <http://www.ee.nmt.edu/~erives/classes.php> web page for more information.

**Academic honesty**

All students are expected to demonstrate personal integrity. Interaction among students regarding homework assignments are strongly encouraged, however each student *must show his/her individual effort*. Exchange of information during in-class examinations as well as copying homework solutions from each other is strictly prohibited. Students exhibiting any form of academic dishonesty will be subject to penalties in accordance with NMT policies.