

## Syllabus

**Instructor:** Hector Erives; Phone: 505-835-5932

URL: [http://www.ee.nmt.edu/~erives/308\\_13/EE308.html](http://www.ee.nmt.edu/~erives/308_13/EE308.html)

### Texts:

- Class Notes
- The HCS12/9S12: An introduction to Software and Interfacing, 2<sup>nd</sup> Edition  
Han-Way Huang
- Freescale Databooks on MC9S12 (online)

**Class Schedule:** MWF 13:00-13:50, MSEC 195

**Office Hours:** MWF 9:00-10:00, WORC 209

**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 language and C language programming, peripherals of the MC9S12, time subsystems, A/D converter subsystem, serial peripheral interface (SPI) and serial communications. The class and lab are closely coupled, with material presented in the class reinforced by the laboratory experience.

### Grading:

- 20%: Homework (a penalty of 30% will be applied to late homework)
- 10%: Quizzes (given in class every Friday)
- 50%: Three midterm exams
- 20%: Final exam

### Academic honesty

All students are expected to demonstrate personal integrity. Interaction among students regarding homework assignments are strongly encouraged, however each student *must demonstrate 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.

### Laboratory information:

Check [http://www.ee.nmt.edu/~erives/308L\\_13/EE308L.html](http://www.ee.nmt.edu/~erives/308L_13/EE308L.html) web page for more information