

ET-491/L  
Embedded Processors Systems

Hardware: 8051 Board    Software: Keil uVision 3, Atmel Flip  
Hardware: Arduino Uno with software

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Grades are based on attendance, labs and presentation as follows:

Attendance:	33%
6811 Labs	33%
8051 Labs	33%

Letter grades are as follows:

90-100%	A
80-89%	B
70-79%	C
60-69%	D
00-59%	F

8051 Labs

- Lab A    Creating, Assembling, Debugging
- Lab B    Machine Cycles, Loops, Port 1, Atmel Flip
- Lab C    Driving Loads, Sound
- Lab D    DPTR, Data Tables, Movement of Data
- Lab E    Bit Addressing, Inputs, Port 0
- Lab F    Comparisons, Rotations
- Lab G    Timers and Counters
- Lab H    External Hardware Interrupts
- Lab J    Liquid Crystal Displays

Arduino Labs

Arduino Booklet

6811 Labs

- Lab 15 Port D Communication
- 6811 Liquid Crystal Display (LCD)
- 6811 Keypad

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ET-491L

Grades are based on attendance, labs, and project as follows:

Attendance	33%
Arduino Labs	33%
Project	33%

Letter grades are as follows:

90-100%	A
70-89%	B
60-69%	C
50-59%	D
00-59%	F

Project 1 will be chosen by the student and may use the 8051 or the Arduino.

Cheating and plagiarism will not be tolerated in this course. Any individual caught cheating on quizzes, homework, lab projects, or the final exam will be punished to the full extent allowed under University regulations. Plagiarism on papers or assignments is not acceptable and work that is plagiarized will not receive credit. Plagiarism is considered cheating. Note: Any time another person's work is used without giving them proper credit, it is considered plagiarism and cheating. At a minimum, any student caught cheating will receive no credit for the work concerned, and will receive a reduction of one letter grade from their final course grade. The official CSULB Policy on Cheating and Plagiarism can be found here:  
[http://web.csulb.edu/divisions/aa/catalog/current/academic\\_information/cheating\\_plagiarism.htm](http://web.csulb.edu/divisions/aa/catalog/current/academic_information/cheating_plagiarism.htm)