

2013 Scanning Sheet. Assignment Description:

Instructor: _____

Date: _____

Scanned File Name: _____

ABET Outcomes											Rubric or student %	Example problem	Outcome #	EE235 Microprocessor Laboratory (1) - Outcomes Revised 2013
A	B	C	D	E	F	G	H	I	J	K				
											1		1	Use software development tools to enter and assemble programs written in assembly language, and download the output onto demo board for execution.
											1		2	Perform assembly program debugging using software and hardware tools.
1				1									3	Write interrupt-driven programs in assembly language.
1				1									4	Write assembly programs that utilize parallel ports to drive input and output devices such as LEDs, switches, keypads, seven-segment displays, and LCD.
				2									5	Write and call subroutine to perform certain desired operations.
1		1											6	Write assembly programs that use timer functions or PWM to control frequency dependent servos and DC motor.
1		1											7	Write assembly routines that use a D/A converter to generate waveforms (or generate sirens using a speaker).
											1		8	Develop assembly programs that use serial interface such as UART or SPI to interface with I/O devices such as seven-segment display driver.

1=supporting contribution

2=significant contribution

Rubric
5: Excellent Mastery of Outcome By Vast Majority of Students
4: Good Mastery of Outcome By Vast Majority of Students
3: Adequate Mastery of Outcome By Majority of Students
2: Marginal Mastery of Outcome By Most Students
1: Lack of Mastery of Concept By Most Students

Improvement Suggestions or Comments:

a. an ability to apply knowledge of mathematics, science, and engineering
b. an ability to design and conduct experiments, as well as to analyze and interpret data
c. an ability to design a system, component, or process to meet desired needs within realistic constraints
d. an ability to function on multi-disciplinary teams
e. an ability to identify, formulate, and solve engineering problems
f. an understanding of professional and ethical responsibility
g. an ability to communicate effectively
h. the broad education necessary to understand the impact of engineering solution in a global, economic,
i. a recognition of the need for, and an ability to engage in life-long learning
j. a knowledge of contemporary issues
k. an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice