2013 Scanning Sheet. Assignment Description:_____ Instructor:_____ Date:_____ Scanned File Name:_____

ABET Outcomes											Rubric or	Example	Outcome	**EET 254 Microprocessor I (4) – Outcomes Reviewed 2013**
A	B	C	D	E	F	G	H	I	J	K	student %	problem	#	
1													1	Use appropriate addressing modes to specify operands for assembly instructions.
1													2	Use appropriate instruction sequence to perform arithmetic and logical operations.
2	2												3	Use a microcontroller demo board to run and debug the program.
1					1								4	Write subroutines to perform desired functions
1					1								5	Write interrupt service routines to handle interrupt-driven applications.
1					1								6	Use parallel port to interface with simple I/O devices such as DIP switches, keypad, seven-segment displays, LCDs, and D/A converters.
1					2								7	Use timer function to create time delays; measure pulse width, signal period, duty cycle, frequency; and generate digital waveforms with certain duty cycle.
1					1								8	Use serial peripheral interface (SPI) such as the SPI to interface with peripheral devices such as
		2											9	Use the microcontroller UART module to communicate with a PC

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 select and apply the knowledge, techniques, skills, and modern tools of the discipline to broadly defined engineering technology activities
b.	an ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies
c.	an ability to conduct standard tests and measurements; to conduct, analyze, and interpret experiments; and to apply experimental results to improve processes
d.	an ability to design systems, components, or processes for broadly-defined engineering technology problems appropriate to program educational objectives
e.	an ability to function effectively as a member or leader on a technical team
f.	an ability to identify, analyze, and solve broadly-defined engineering technology problems
g.	an ability to apply written, oral, and graphical communication in both technical and non-technical environments; and an ability to identify and use appropriate technical literature
h.	an understanding of the need for and an ability to engage in self-directed continuing professional development
i.	an understanding of and a commitment to address professional and ethical responsibilities including a respect for diversity
j.	a knowledge of the impact of engineering technology solutions in a societal and global context; and
k.	a commitment to quality, timeliness, and continuous improvement.