| ABET Outcomes | | | | | | | | | | | Rubric or | Example | Outcome # | EET 486 Communication II (3) – Outcomes Reviewed 2013 |
A	B	C	D	E	F	G	H	I	J	K	student %	problem		
1	1												1	Provide ASCII, ECDIC codes for numbers, letters and control characters.
2	1				1								2	Determine the sampling frequency, number of sample bits, dynamic range and resolution of PCM system.
1	1				1								3	Sketch the data wave forms for a series of ones and zeros using basic encoding techniques.
2	1				1								4	Determine the number of errors that can be detected and corrected for a given Hamming distance.
2	1		1		1								5	Draw the CRC generating circuit given the code-generating polynomial.
2	1				1								6	Calculate the error probability of a system.
2	1				1								7	Calculate channel capacity of a stand phone line given the S/N ration.
2	1				1								8	Determine the number of telephone calls that can be carried in a given bandwidth.
2	2				1	1							9	Explain the basics of PAM, PWM, and PPM.
2	1		1		1								10	Calculate the transmitted frequencies and channel bandwidth for a two-tone modulation system.
2	1				1	1							11	Explain the basics of FSK, BPSK, QPSK and QAM.
2	1				1								12	Determine the PN sequence length for a given number of shift registers.
2	1				1								13	Determine the spreading of a DSS signal given the chip rate and modulation rate.
							2						14	A recognition of the need for, and an ability to engage in lifelong learning.
								2					15	An ability to understand professional, ethical and social responsibilities.
									2				16	A respect for diversity and a knowledge of contemporary professional, societal and global issues.
										2			17	A commitment to quality, timeliness, and continuous improvement.

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.