

ABET Outcome Survey

Important Note: These outcomes reflect a personal (student) assessment of the course, not the instructor's assessment.

ABET Outcomes for AE 481W/482	Outcome not able to be assessed	Level of ability demonstrated but below acceptable	Minimum acceptable level of ability demonstrated	More than minimum level of ability demonstrated
	(Score of 0)	(Score of 1)	(Score of 2)	(Score of 3)
a. An ability to apply knowledge of mathematics, science, and engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
b. An ability to analyze and interpret data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
c. An ability to design a system, component, or process to meet desired needs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
e. An ability to identify, formulate, and solve engineering problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
f. An understanding of professional and ethical responsibility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
g. An ability to communicate effectively	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
h. The broad education necessary to understand the impact of engineering solutions in a global and societal context	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
i. An ability to engage in life-long learning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
j. A knowledge of contemporary issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X

practice				
o. Engineering design capabilities in at least two (2) of the (3) basic curriculum areas of architectural engineering, and that design has been integrated across the breadth of the program	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X
p. Communication and interaction with other design professionals in the execution of building projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X

AE 481W/482 Reflection

Over the past year within the AE Senior Thesis program I have gained valuable experience in design and construction process. I learned a lot about how to examine construction documents and perform investigation into building systems, as I was required to analyze the performance of the existing building. I was also able to perform multiple analyses for the implementation of alternate systems in the current building. I enjoy the having the flexibility to complete tasks with my own work schedule and deadlines during the semester. Being able to manage my own schedule during the semester enabled me to challenge myself on different tasks and to decide the depth for each analysis. Having to work independently on large system redesigns has utilized my educational knowledge adequately and prepared me for tasks that I will come across within my engineering career.

CEPE Reflection

The CPEP webpage provided me with the opportunity to learn how to design webpage. Having the CPEP program also allowed us to access and share work that has been completed. The previous websites that have been completed are very valuable tools for current students to learn what other students have done in the past. I have used the discussion board a few times during the first semester. I felt that it was much easier to gather information from my thesis advisor and other faculties in the department than getting answers from the discussion board.