

Reflection

ABET Outcome Survey

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

CPEP Reflection

architectural engineering, and that design has been integrated across the breadth of the program				X
p. Communication and interaction with other design professionals in the execution of building projects				X

AE 481W/482 Course Reflection

This provided a real-life application of the sum knowledge I've attained over the past 5 years in the AE program. Instead of spoon fed problems typical to a classroom setting, AE481W and 482 allowed students to venture out and find actual design issues and tackle them just as a professional engineer would. Throughout the course, new challenges arose and were tackled by studying the issue at length and performing the necessary calculations to resolve it. In the end, the course served as a great guide to help 5th year students acclimate to life as an engineer without the boundaries set by a typical class.

CPEP & Discussion Board Reflection

The CPEP website and discussion board provided another learning experience that accompanied AE481W and AE 482. By creating a website on which to post our work, we learned basic website design and learned to communicate effectively through a new medium. The discussion board served as place to contact professionals and ask their advice on any issues we encountered during design and analysis of our buildings. They were always prompt in their responses and offered guidance to help us see our projects to completion.

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