

## ABET Outcome Survey

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

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

| 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"/> | <b>X</b> |
| p. Communication and interaction with other design professionals in the execution of building projects   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <b>X</b> |