

ECE 1100 Assignment No. 1

Due: Tuesday, September 26, 2023 (in class)

This is an individual assignment, i.e. you will submit your own work.

Select an emerging area from the list of 10 areas discussed in the class, at:

<https://ece.osu.edu/futurestudents/undergrad/impactofece>

In addition, you may also choose semiconductor as the area of interest for this assignment.

Write a maximum 2-page essay that addresses the following aspects of your chosen area:

*A. How would **you** apply engineering design to produce solutions that meet specific needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors?*

*B. How would **you** recognize ethical and professional responsibilities in engineering situations and make informed judgments, while considering the impact of engineering solutions in global, economic, environmental, and societal contexts?*

*C. How would **you** acquire and apply new knowledge as needed, using appropriate learning strategies?*

Be as creative as you can, and don't worry about "complete correctness." Feel free to extrapolate based on your current understanding of your topic. Use 11-point size font and single line space for your work.