

**ME 6125 (October 2025)**  
**Assignment 2**

**1. Critical assessment**

- a. What do the authors identify as the main contributions of this paper?
- b. Do you agree with this contribution(s) in the context of the field? Explain and situate your response within existing literature.
- c. How well connected are the literature review and hypotheses/research questions?
- d. Does the literature review form a sound technical basis for the proposed hypotheses or research questions? Explain your answer.
- e. Comment on the appropriateness of the methods/approach.

**2. Fundamental analysis**

- a. Describe the relationships between the main concepts and fundamental ME principles.
- b. Identify assumptions made in the paper, and describe the practical implications of these assumptions for the work.
- c. Identify what aspects of the problem have not been addressed.

**3. Extension**

- a. Describe how the approach could be applied to other problems or emergent research questions.
- b. How have other researchers leveraged the findings from this work?