

## **ME403: Assignment 5** **“Design Screening and Midstream Report”**

### **Assignment Overview:**

1. The first part of this assignment is established to structure the course and allow you the time to work on your design project. You should plan to spend 45 hours on this assessment. However, students often find it necessary to devote 100 to 150 hours for its completion. This will allow you to reach a level of progress where you feel you have identified a conceptual design which will solve the problem at hand, with a sound fundamental and theoretical basis. You should also have begun thinking about how to go about implementing this design into a prototype or sufficiently modeled process that will allow you to move forward with validating your concept idea.

2. The second part of the assignment is creating a midstream report. This report will detail not only the problem definition, design requirements, and statement of work, but it will also document for a technical audience the to-date progress on the design project. This will include concept generation and concept analysis leading to a decision on the path forward in the problem solution.