MECH 4366: Senior Design Project, Fall 2022

CRN: 19273
Credit Hours: 3.0
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Description:

This course is 3.0 credit hours and is intended to assess the type of work assigned during the semester, ensure that the students learned more engineering skills, and award credits for the completed design components. We can list the benefits that the students can gain more knowledge in certain areas of engineering or a combination of more than one area.

- Solid Mechanics Area
- Thermal-fluid Area
- Electro-Mechanical Area
- Aerospace Area

The formula Lombardi team is divided into sub-teams as listed below:

- Engine
- Chassis
- Suspension
- Drivetrain
- System Dynamics
- Aerodynamics
- Ergonomics
- Quality Controls
- Testing
- DAQ

Required documents/ tasks to submit are:

1. Submit a monthly progress report
2. Attend the PDR meeting for the entire team
3. Attend/ participate in the final design presentation
4. Write a recommendation for the next step in the design/ or if there would be a required revision.
Participants will be able to:
1- Recognize the key principles behind learning and implement the fundamental Engineering concept to their work.
2- Learn more about professional engineering skills and may require knowledge in another discipline.
3- Build confidence for the student.
4- Learn to work in teams.