MECH 4366: Principles of Engineering Design, Spring 2023

EV FSAE Formula Team

CRN: 27701

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 learn 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

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

- Manufacturing team
- Design team
- System Control team

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.