



EGR 299: Engineering Projects

This capstone course allows students to use the engineering and technical skills they have developed to solve an actual engineering team design project. Students work onsite with a mentor participating in all aspects of the design process, from initial identification of the design problem through the implementation and management of the design solution. Students use a variety of design, project management, research, manufacturing tools, test and evaluation in the completion of their project. Design projects cross disciplines and cover a variety of engineering, design, and technical subject areas. Prerequisite: 30+ credits completed in major or prior approval by the instructor. Three lecture hours and three laboratory hours per week. Instructional Support Fee Applies.

Course Student Learning Outcomes

1. Utilize engineering tools and methods to solve complex, real world design problems using a site based learning approach. 2. Work in an organized environment with specific educational goals. 3. Solve complex problems which require integrating many aspects of engineering.

Credits: 4

Program: Engineering