



NEEDED: Industry Advisors for Undergraduate Senior Design Teams

Overview of Course

- Project-oriented course in which students work to develop, design and test a biomedical device under the guidance of experienced engineers.
- Students work in teams of 4-6 students – each advisor works with one team.
- Course is set up as a two-semester sequence:
 - Fall –
 - First 4 weeks are dedicated to intense exposure of students to clinical challenges in one of the University of Minnesota Academic Health Center clinics.
 - Following the clinical exposure phase, students research a specific clinical need and develop a concept for a medical device that would address that need.
 - Students learn about different aspects of general product design, development, and commercialization through a seminar series. Advisors are welcome to participate as either audience members or speakers in their specific fields of expertise.
 - Spring –
 - Students build and test their prototype device while attending lectures on issues specific to medical devices.

Responsibilities of Advisor

- Assist students in identifying a project topic during the clinical exposure phase.
- Provide to students:
 - Guidance in design problem and feedback about progress.
 - Assessment of the final design and individual student performance.
- Attend at least a biweekly campus meeting with your group for about one hour.
- Attend mid-semester and end-of-semester presentations by students.

Benefits to Advisor

- Provide valuable experience for BME seniors while supporting the BME department.
- Have the opportunity to screen and ultimately recruit graduating seniors.
- Enjoyable experience that provides personal and professional growth.

For more information about this opportunity or to become involved, please contact:

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