1-Semester Projects

Can be Pre-arranged
  Problem statement
  Team
  Faculty mentor/instructor
  Special facilities

Or Free-Agents
  Sign up for ME 463 as you would for any other class
  Assigned a section
  Work out Problem, team, etc. with instructor
Pre-Arranged Projects

Problem statement

Team – usually 4 to 6 students

Consider Skills and Interests

Faculty mentor/instructor – ME 463 Instructors

Assigned to a section of ME 463

Can have one or more Consulting Faculty Experts

Special facilities

May work in other facilities (ABE, Research Labs, etc)
Pre-Arranged Projects

Problem Statement

1. Are there one or more clear **problems** to be solved?
2. Are there **many concepts possible**, or is there only one natural solution toward which all students will tend to gravitate?
3. Can the solutions be steered in the directions that will meet the course goals?
4. Do the **students** have or have access to **sufficient background** to do the project.
5. Does the project **sufficiently challenge them analytically**?
6. Is the problem unique, **not been solved thoroughly before**?
7. Is it **reasonable** in scope and complexity?
8. Are **faculty** and other **resources** available for them to access for technical guidance?
9. Is **space and facilities** available for the project requirements (appropriate testing facilities and equipment)?
Schedule Spring 2016

Feb 2       Information Session
Feb 3 - 19  Submit ideas to starkey@purdue.edu
Feb 19      Deadline for Initial Idea Submissions
Feb 3 – March 4  Iterate ideas to define
                Problem statement (you and I)
                Team mates(mostly you)
                Instructor/experts (mostly me)
March 11    Final team definitions to Holly for scheduling
March 21    Priority registration begins

https://engineering.purdue.edu/ME463/