Design → **Build** → **Compete**

ME199 DES

- Student Society Extra-Curricular Activities
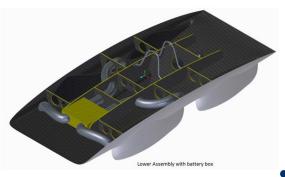- One year cycle – new competition each year
- Freshman through Senior experience
- Highlighted Competitions & Challenges:
  - Ecomarathon
  - Illini Solar car
  - Hyperloop, iRobotics

Lower Assembly with battery box

ME199 DES
Overview of Class Structure

| Freshman | Sophomore | Junior | Senior |

**ME199 SAE
1 credit hour** → **Senior Design
3+3 credit hour**

*1 hr Free Elective Each Semester
with Tech. Elective Option
– 3 consecutive semesters Design sequence with
documented design activity*

*See ME199 Sequence –
Tech Elective Requirements*

*3 hrs ME497 Tech
Elective in Fall
+
3hrs ME470 Senior
Design in Spring*

*Instructor Approval
Required – must
complete two semester
Sequence*

ME199 - 1 hr Class

- Attend weekly meetings

- Be an "apprentice member" of one or more of the project teams. You will attend sub-team meetings and help within your capabilities.

- Complete 2 one page reports – 1st on 'planned' activities/involvement, 2nd at semester end on 'actual' SAE activities

- 3 x 1 credit, tech elective design sequence – need design report at end

- Grade based on attendance, participation, contribution, and effort (from Team Leader and Peer Evaluations)

ME497/ME470 – 2 semester sequence

- Team Leaders and full-time team members

- Graded by presentations, reports, work ethic and performance (meeting build schedule and peer performance grading)

- Senior Design Credit only given if BOTH semesters completed with documented evidence of contributions in presentations and reports

- If contribution insufficient in 1st semester (Fall), you will not be allowed to enroll for second semester ME470 on that team.

Design/Build Schedules

- *Design freeze typically by* *Thanksgiving*

- *BE "COMPETITION READY" BY Engineering*

  Open House (EOH) ~ *MARCH*

- *SHOWCASE TO SPONSORS – EOH ~* *MARCH*

- *First Competitions –* *April/May*