Students enrolled in ME72 possess a wide range of design, engineering, and fabrication abilities when they enter the class. In an effort to better understand these skills at the beginning of the course, please tell us about your design and engineering background. This questionnaire is for research purposes and only the teaching team will see your answer. Your answers will not affect your grade in any way.

Name

Major

Year

Gender  □ Female  □ Male

Outside of coursework at Caltech, have you worked on a project (paid or unpaid) that you would consider to be engineering work? This could include such things as internships, research, and/or personal projects, but not ME71. If yes, please describe what you did, where you did it, and for how long.

How would you rate yourself on the following?

- Engineering analysis skills. What is your paper-and-pencil, mathematically-based problem solving ability?
  None  Average  Outstanding

- Engineering fabrication skills. How are you at building things?
  Novice  Competent  Expert

- Engineering intuition. What is your ability to grasp engineering problems before applying formal analysis to them, if at all.
  None  Average  Outstanding
Prior to Caltech, did you ever participate in any of the following activities?

- Drawing or sketching?
  * Never
  * All the time

- Designing or building models, or creating arts & crafts?
  * Never
  * All the time

- Taking apart and/or building cars, computers, appliances, etc.?
  * Never
  * All the time

- Large scale fabrication, i.e. machining or construction.
  * Never
  * All the time

Do you have any other design or engineering experience that you think might be relevant to ME72? If yes, what kind of experience, and how much?