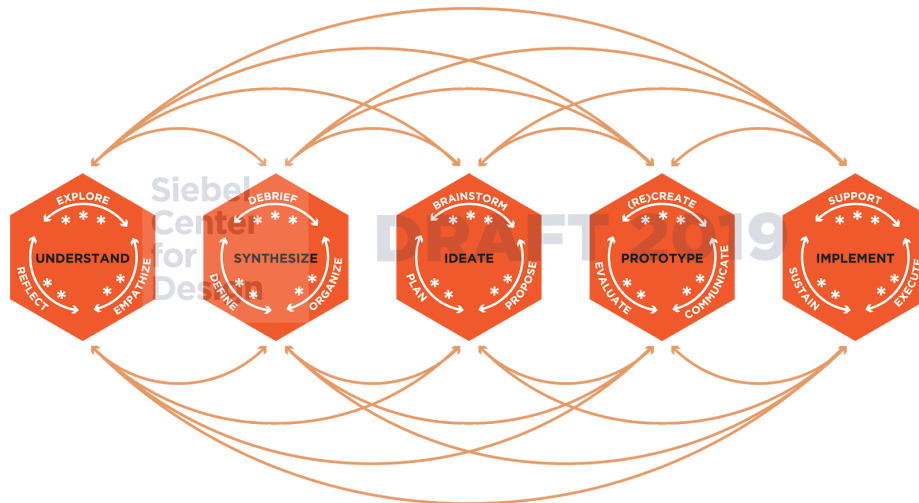


# ME 170 - Lab 1: Finding Needs

Design Space: Understand

Semester project - Design Challenge:

Design a **mechanical or electro-mechanical product** to address unmet needs related to **food on campus**



Name: \_\_\_\_\_

## User research simulation

*Understanding experiences and expectations of food on campus to identify unmet needs.*

### Background Information

*The easiest way to gather this information is to ask people to just tell you a little about themselves. Information you may want to collect: Name, Year, Major, etc.*

### Suggested questions:

- How long have you been on campus?
- Where do you typically eat? Why?
- Tell me about the last meal you had on campus.
- What food do you have in your dorm?
- Do you prepare meals on campus? If not, who prepares your meals.

### What You Heard and Saw

*Try to write down exactly what people say. Direct quotes are extremely important, don't assume to know what they meant by something.*

### What You Interpreted

*Use this space to write down any interpretations you have about what people said.*

## Pre-interview Debrief

*Gather and share your findings from the initial interviews you did with your partner. Work collaboratively with your team to come to a shared understanding of the opportunity areas you've found. Then, choose an area or user group to focus on.*

*For example, you may find that your interviews focus mainly on dining halls on campus. Consider all users/stakeholders which interact with dinings halls including students, employees, vendors, custodial and maintenance staff among others. Each of these groups will have a different experience and perspective regarding dining halls. They will have different needs which are likely not addressed by the same global solution. It is important to establish who you are designing for in order to understand the needs which must be addressed by the design.*

### **Discuss with your team**

- What problem areas are you most interested in? Why?
- What problem areas are you most capable of addressing? Why?
- What kind of impact would you like to create?
- What user or stakeholder groups interact with the problem area directly?
- Which of these groups do you have access to?
- Which group(s) are you most interested in designing for? Why?

*continued.*

### **Interview Reflection**

**Prompt:** *Think back to your initial interview with your partner. What questions do you still have? Would you ask different questions? Would you approach the interview differently?*

*Take 1 minute. Write as much as you can*