



CEE 176G/276G | Summer 2024: Sustainability Design Thinking

 Summer 2024 Student Design Project Portfolio

Read Me! Primer on our Notion Website

▼ Welcome to the CEE 176G/276G Sustainability Design Thinking Notion website

For this class, we will use Notion as our **Documentation** resource & the storage of everyone's Design Journal. It will also be used for shared class outlines, references & notes from the instructional staff. This is in contrast to Canvas which will serve as our **Course Management** website where assignments will be need to be submitted and scores will be recorded. We will also use Slack as our preferred **Communication** platform.

▼ Class Session Outlines, Notes, etc. Section

Instructional Staff will post material in the Class Session Section. We will usually refer to this material in class meetings & students can browse this material as a reference when working on projects & other assignments.

▼ Student Design Journals Section

Notion is great for quickly saving ideas & thoughts as well as archiving your production material such as design thinking notes & work products. Instructional Staff will periodically review design journals for interim progress checks as well as final end-to-end design work verification. Be timely & detailed in adding to your design journal. IMPORTANT! Since your Design Journal will influence your project evaluations, know that Notion has a few "backup" features; you may like to proactively understand your recovery options: [Back up your data.](#)

Design Thinking Process

- 📄 [Empathizing](#)
- 📄 [Defining](#)
- 📄 [Ideating](#)
- 📄 [Prototyping](#)
- 📄 [Testing](#)
- 📄 [Communicati...](#)

Key Concepts

- ✓ Creativity
- ✓ Connectivity
- ✓ Human-Centeredness

▼ Library of Interesting Stuff

Instructional Staff will post links to videos, web pages/sites & other online content that may help your sustainability design thinking mindset & skill-set develop. Browsing the material is not required for the class, but it may lead to valuable talking points or inspirations.

Class Session Outlines, Notes, etc.

Session Notes

Assignments

[Class Session 1 | Who? What? W...](#)

- ▶ **Warm-Up Assignment:**
Convergence Exercise (*due in Canvas by 2:30 pm on Wednesday June 26, 2024*)
 - ▶ **Bonus Assignment:**
Selfie+Highlights Bio-sketch (*due in Canvas by 2:30 pm on Wednesday June 26, 2024*)
 - ▶ **Optional Work:** Add your portrait from the Sketch-Your-Neighbor exercise into your Design Journal.
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Class Session 2 | Design Project...

- ▶ **Homework Part A:**
Observational & project ideas notes in Notion (*due in Notion Design Journal by 12:00 pm Friday June 28, 2024*)
 - ▶ **Homework Part B:**
Preliminary problem statement (*due in Notion Design Journal by 2:30 pm Monday July 1, 2024*)
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Class Session 3 | Design Project...

- ▶ **Homework:** Finalize problem statement. Write a working title. Compose CCPs and PoVs for Design Project 1 in Notion (*due in Notion Design Journal by 2:30 pm Wednesday July 3, 2024*)
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Class Session 4 | Design Project...

- ▶ **Homework Part A:** Conduct interviews or survey, & incorporate results into CCP & PoV (*due in Notion Design Journal by 2:30 pm Monday July 8, 2024*)
 - ▶ **Homework Part B:** Propose Top 3 Solutions (*due in Notion Design Journal by 2:30 pm Monday July 8, 2024*)
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 Class Session 5 | Design Project...

- ▶ **Homework Part A:** *Make a prototype (physical model & sketches) for Testing next class (bring to class meeting on Wednesday July 10, 2024)*
 - ▶ **Homework Part B:** *Document the prototyping work in Notion Design Journal (due in Notion Design Journal by 2:30 pm Wednesday July 10, 2024)*
 - ▶ **Homework Part C:** *List the form, function & emotional features that you want tested (due in Notion Design Journal by 2:30 pm Wednesday July 10, 2024)*
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Class Session 6 | Design Project...

- ▶ **Homework Part A:** *Using your test results, iterate your prototype. (due in Notion Design Journal by 2:30 pm Monday July 15, 2024)*
- ▶ **Homework Part B:** *Conduct test of your iterated prototype (schedule test sessions with classmates; same or new testers ok) (due in Notion Design Journal by 2:30 pm Monday July 15, 2024)*
- ▶ **Homework Part C:** *Document MVP & MVP+ of your final prototype in Design Journal. (due in Notion Design Journal by 2:30 pm Monday July 15, 2024)*

Class Session 7 | Design Project...

- ▶ **Homework Part A:** *Elevator Pitch (due Wednesday July 17, 2024)*
 - ▶  Post Your Elevator Pitc...
 - ▶ **Homework Part B:** *Spec Sheet (due in Canvas by 2:30 pm Monday July 22, 2024)*
 - ▶ **Homework Part C:** *Short Video (due in Notion Design Journal by 2:30 pm Monday July 22, 2024)*
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 Class Session 8 | Design Project...

 Post Your Elevator Pitch Slides ...

- ▶ **Homework Part B (continued):** *Spec Sheet (due in Canvas by 2:30 pm Monday July 22, 2024)*
 - ▶ **Homework Part C (continued):** *Short Video (due in Notion Design Journal by 2:30 pm Monday July 22, 2024)*
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 Class Session 9 | Design Project...

 Post Your Short Reflection Vide...

- ▶ **Homework:** *Mini-Proposal & Workplan (due in Notion Design Journal by 2:30 pm Wednesday July 24, 2024)*
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 Class Session 10 | Design Projec...

- ▶ **Homework:** *Make a prototype (due in-class on Monday July 29, 2024)*
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 Class Session 11 | Design Project...

- ▶ **Homework:** *Journey Map (due in Notion Design Journal by 2:30 pm Wednesday July 31, 2024)*
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 Class Session 12 | Design Project ...

- ▶ **Homework Part A:**
*Prepare Elevator Pitch
(due in class Monday
August 5, 2024)*

 Post your Team Elev...

- ▶ **Homework Part B:**
*Prepare 3D Physical
Model (due in class
Monday August 5, 2024)*
- ▶ **Homework Part C:**
*Prepare Spec Sheet &
Self-Reflections (due in
Canvas by 2:30 pm on
Wednesday August 7,
2024)*

 Class Session 13 | Design Projec...

 Post your Team Elevator Pitch H...

- ▶ **Homework Part C
(continued):** *Prepare Spec
Sheet & Self-Reflections
(due in Canvas by 2:30 pm
on Wednesday August 7,
2024)*

 Class Session 14 | Design Project ...

- ▶ **Homework:** *Design
Project 3 Set-up & Dive-in*

 Setup Your Team De...

 Describe Your Team'...

 Post Your Team's Na...

 Share Your Team's D...

 [Class Session 15 | Design Projec...](#)

- ▶ **Homework:** *Prepare for Poster Session (due in class Wednesday August 14, 2024)*

 [Class Session 16 | Design Projec...](#)

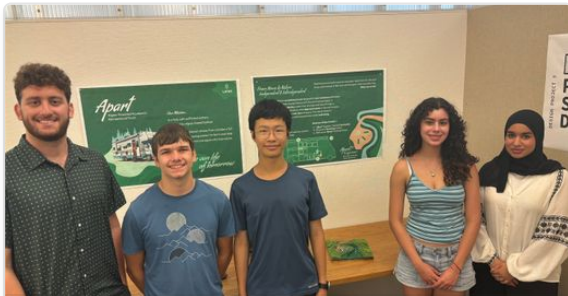
 [Post Your Team's Posters Here b...](#)

 [Class Photos](#)

- ▶ **Homework:** *Prepare Spec Sheet & Self-Reflections (due in Canvas by 6:30 pm on Saturday August 17, 2024)*

Project 3 - Team Design Journals

Project 3 Teams | Summer 2024

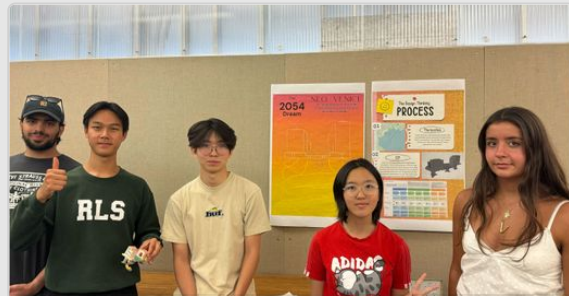


APART

LATAR

- [Tom Shahr](#) [Albert Tan](#) [Ale Santos](#)
- [Rowan Winchell](#) [Lateifa Alsamahi](#)
- [Student Template](#)

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Neo-Venice

Team CAVMW

Natural Conservation

- [Cindy Wang](#) [Ali Alhammadi](#)
- [Vivian Snitker](#) [Matthew Lee](#)
- [Warren Huang](#)

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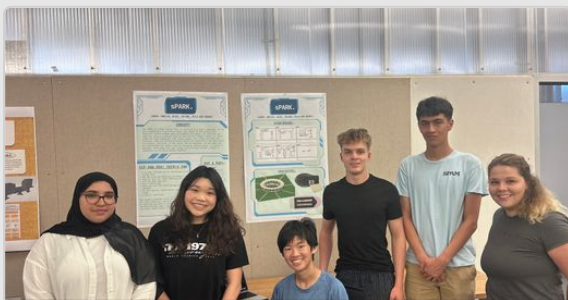


Phoenix

Team 1

- [Martina Paz](#)
- [Amna Alabd](#)
- [Nadia Kuczy](#)

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Family/Research

- [Rawda Al Jneibi](#) [Milo Pitera](#)
- [Adelya Makhankova](#) [Adam Tang](#)
- [Jolene Ong](#) [Alexander Pezzei](#)
- [Student Template](#)

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Vac-Marine4

Team 5

- [Ishwar Sarda](#) [Alyazia Albreiki](#)
- [Tim Warzawa](#) [Therese Bohn](#)
- [Yuto Fujiwara](#) [Ashley Kwong](#)

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Vertical R

Team 2

- [Enrico Berto](#)
- [Sumaiya Al](#)
- [Wui Shuen C](#)

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+ New