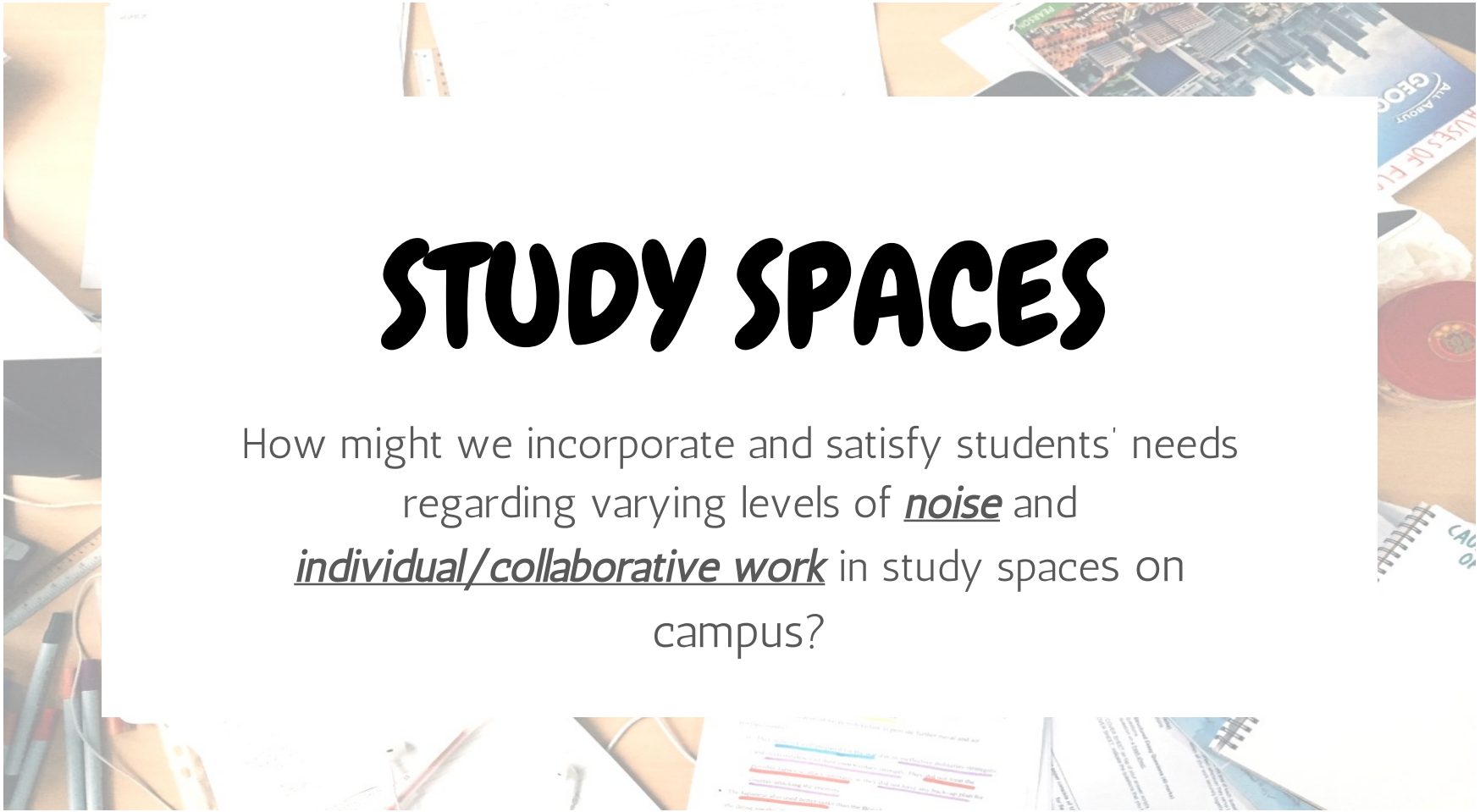


STUDY SPACES

How might we incorporate and satisfy students' needs regarding varying levels of ***noise*** and ***individual/collaborative work*** in study spaces on campus?

Initial Research Results

Top 3 most important factors when choosing a study space:

- Noise level (77.4%)
- Size of workspace (table surfaces) (67.9%)
- Ability to work alone/in a group (38.4%)

From a survey of 190 NU students

Design properties to consider:

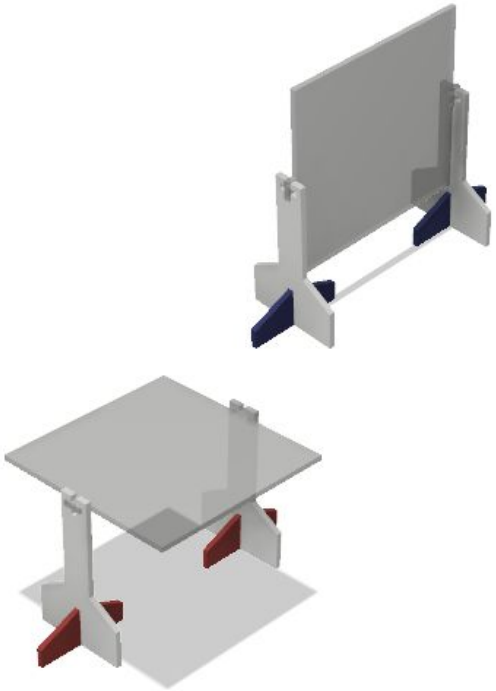
POSTURE / ORIENTATION / SURFACE AMBIENCE / DENSITY / STORAGE

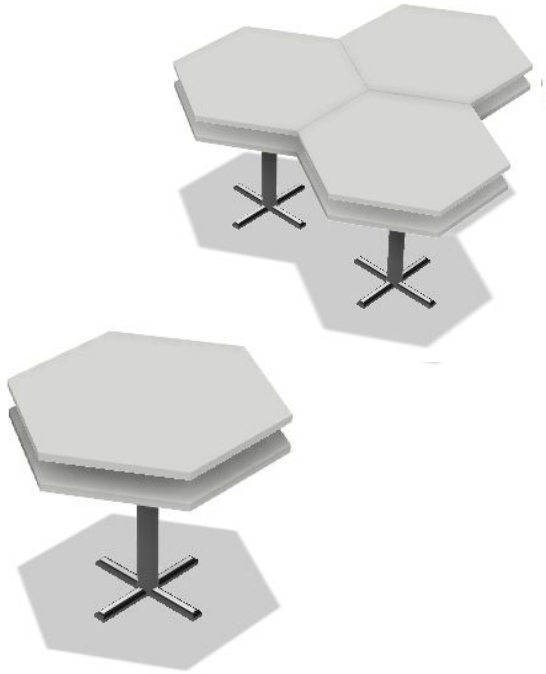
(Doorley & Witthoft, *Make Space*)

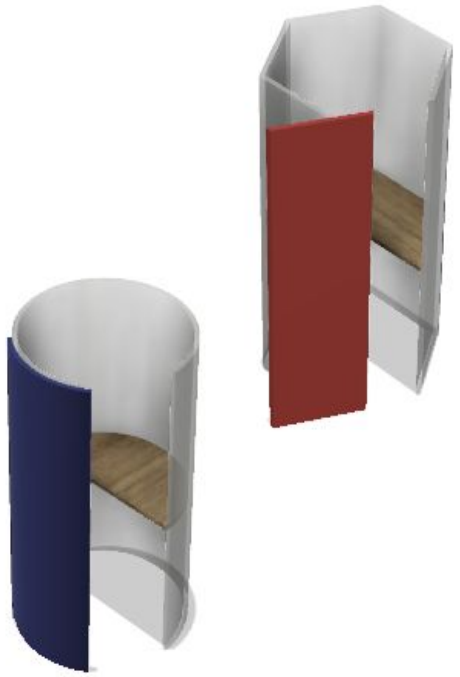
Must design for *various preferences*; the design has to be flexible and adaptable to user needs

(Applegate, "The Library is for Studying: Student Preferences for Study Spaces")

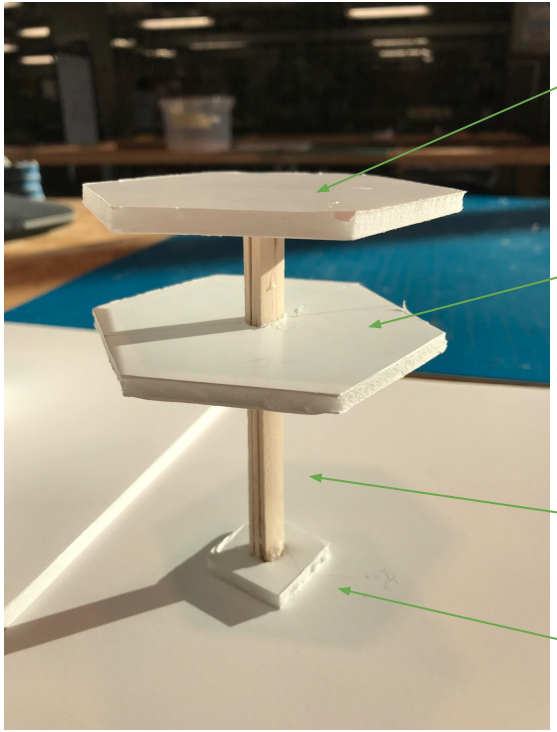
Design Concepts







Solution 1: Honeycomb Tables



Writable surface

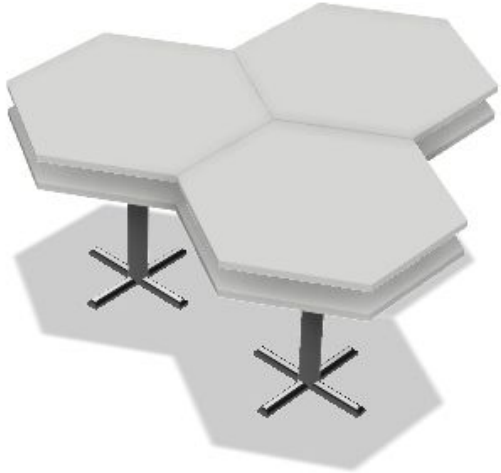
Shelf for storage

Adjustable height

Wheels for movability

Modularity enables collaborative AND individual work

Hexagonal shape affords tessellation of several tables

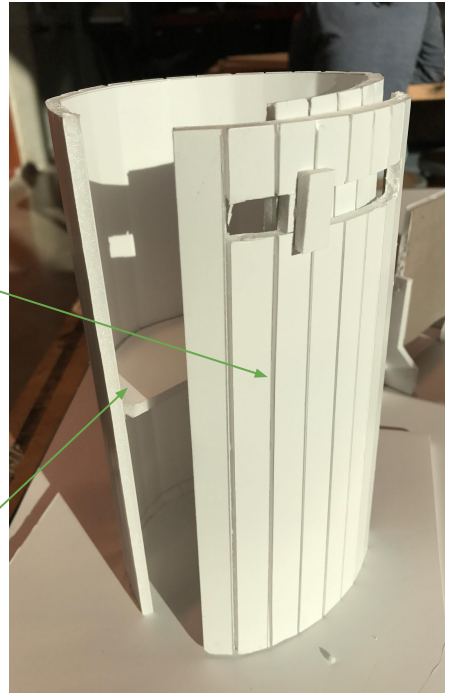


Solution 2: Study Pods

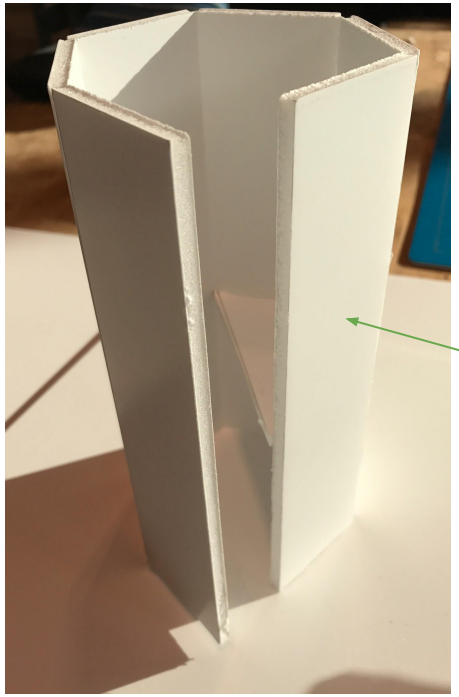
Design enables better isolation and noise control.

Appropriate height and width to tackle claustrophobia

Sliding door to control noise level



Writable surface and outlets



Frosted glass with gradated transparency towards the bottom

Solution Feedback (Users and Experts)

Users

- Most favored design is **honeycomb tables** (due to shape, versatility, storage)
- When discussing **whiteboard divider,** people mostly emphasized the *whiteboard as a table*
- Biggest concern for **study pod** is *claustrophobia* and semi-privacy (i.e. preventing misconduct)

Experts

- **Study pod** fulfills a need that is currently not met on our campus
- Important considerations include **dimensions** and **material** for durability, maintainability, and user experience
- Can see our designs **coexisting** in a single space
- Always keep in mind how designs can be remixed so that they are **flexible**

Questions and Next Steps

- How can we improve our designs based on user and expert feedback?
- How do you see yourself using these?
- How do you see these designs fitting into existing study spaces?
- Do you think our designs are inviting?
- Do you have any concerns using our designs?

Up next...

- Refine our concepts with more research and testing on concrete aspects of our designs (e.g. dimensions, material)
  - Creating more realistically sized prototypes
  - Testing in the library