

Piecing together

Room-scale design

LEARNING OBJECTIVES

- to create living and working environments that foster teamwork, maintain privacy and maximize flexible space usage
- to use geometric spatial patterns to generate assemblages of modular units



QUESTIONS

- How can we make work more playful by design? How can we encourage camaraderie with environments?
- How can we provide privacy and maximize group breathing room?

DESCRIPTION

For the team center, we will design live / work modules for teams of 3, 7 and 30 people. The goal is to create high-quality spaces for individual and group activities that can be flexibly combined for different sized groups. Imagine new ways to work and live that connect us to the beauty of nature and vibrant partners.

Student will start in class by reviewing precedents, identifying criteria for the work/leisure space and illustrating ideas for multi-functional space.

Next, each student will design 5 components for the suite as 1:100 plan and section drawings with a perspective sketch vignettes. The class will need spaces for all activities listed below, but each student does not need to design for each category.

In groups, students will combine the ideas into facilities for a 3-person group and create circulation /adjacency diagrams with a proposed structural module.

From these, the group will generate final designs for 3, 7 and 30 people accommodations and develop tectonics, materials and lighting for one part.

PROGRAM

Activities: **group work, independent reflection, sleeping, lounging, snacking, and washing.** (major dining, active recreation, large conference and reception rooms will be outside the suites)

All suites should fit within a 4.5 meter height. Sleeping facilities may be separated from group workrooms. Suggested areas:

Combined Live / Work

3 person living / working unit: 75 s.m.

7 person working / 5 sleeping: 165 s.m.

30 person working / 20 sleeping: 750 s.m.

Separate Live / Work

3 person work unit: 35 s.m.

7 person work unit: 80 s.m.

30 person work unit: 300 s.m

Indiv. sleeping / living / washing : 30 s.m.

SCHEDULE

Mon. Jan. 13: Review Assn 1, Project handout, in-class charrette

Wed. Jan. 15: 5 components due: plans & sections 1:100 with perspectives, work in groups for 3-person cluster & combination ideas

Fri. Jan 17: Group cluster design for 3, circulation / adjacency diagrams w/ structural module due

Mon. Jan 20: MLK Holiday

Wed. Jan. 22: Draft cluster designs for 3, 7 and 30 due, sketches of tectonics, lighting or structure

Fri. Jan. 24: Clusters for 3, 7 and 30 people REVIEW

Mon. Jan 27: Begin Wiesbaden collaboration

RESOURCES

March, Lionel and Philip Steadman, Geometry of Environment

Sherwood, Roger, Modern Housing Prototypes NA7126 .S48

Neufert, Architectural Data

REQUIREMENTS

Design concept statement

Drawings of 3-person cluster: 1:100 plan and section, perspective vignettes

Diagrams explaining internal and connecting circulation, structural grid

Detailed development: lighting sketches, material samples and 1:50 or larger scaled drawings or model