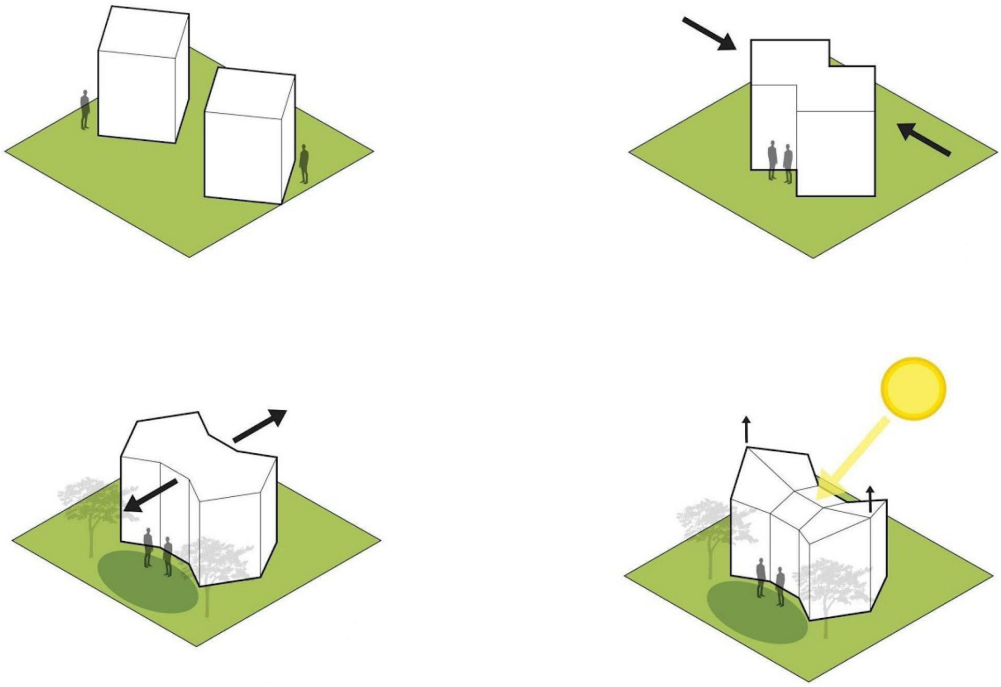


Sarah Kay Stephens - DC3 - Fall 2019

REQUIREMENTS:

Watch: Massing Models in Grasshopper Tutorial
Diagrams using Rhino 3D Tutorial

Use your studio 'Community Art Space' project to produce four (4) sets of three (3) iterative diagrams in Grasshopper. **Twelve (12) 3D Diagrams total.**

Respond to the questions below to develop strategies that use Grasshopper to quickly generate multiple massing iterations. Each set of diagrams should respond to a question.

Q1: How can I organize or manipulate mass to maximize daylight exposure?

Q2: How can I Subtract From, Add To, Fracture, Bend, Branch, Lift, and Puncture mass to create new relationships between my forms, programs, and spaces?

Q3: How can massing respond to circulation? What does this massing/circulation suggest?

Q4: Ask your own question!

Produce a hybrid **line, shade, and shadow** exterior rendering of your 12 diagrams that must include the following:

- Scale figures
- Use solid color fill as shown in the Diagrams using Rhino 3D Tutorial
- Descriptive lines, arrows, etc. as needed

Assemble your diagrams in a 3 x 2 grid on two 11" x 17" pages in InDesign (ie. you should have six diagrams per page). Your diagrams must be labeled.

Save the Grasshopper scripts for each of your diagram sets. In Grasshopper from the main menu select File _ Export High Res Image

Add a legend that corresponds to any color fill

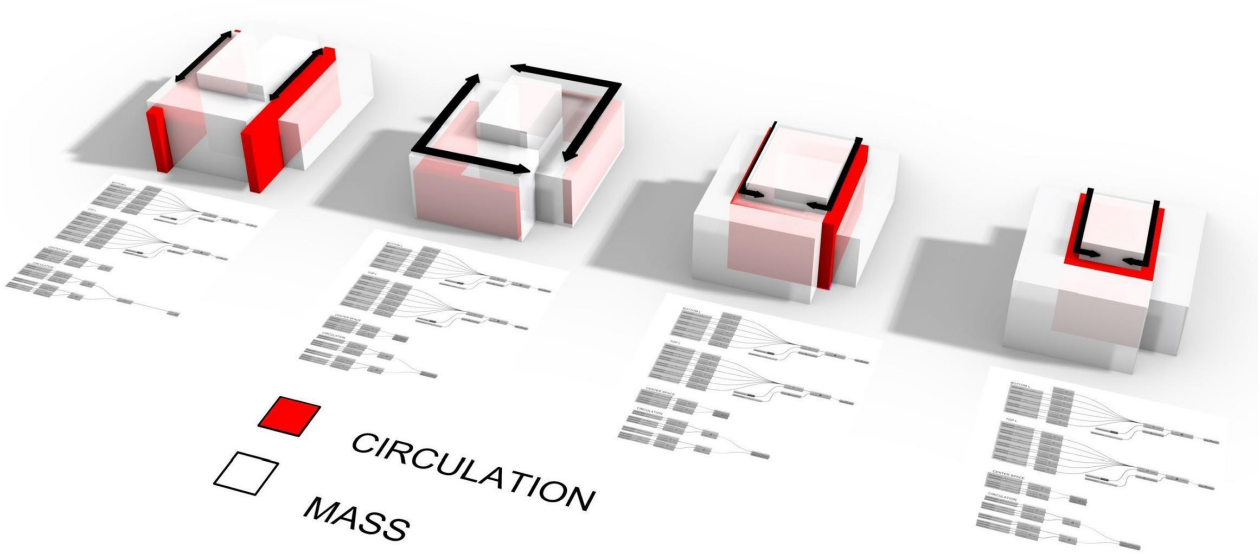
DUE DATE AND TIME: Before Class-12

SUBMIT: Upload a single PDF file with (2) pages to your individual drive folder

FILE NAMING: FIRSTNAME_LASTNAME_A#.PDF

SAMPLE DIAGRAM LAYOUT:

Work Sample showing alternative Grasshopper Script layout and Legend:


CIRCULATION
MASS