

ARK-E1021 - Studio Spring, Emergent Design Methodologies, 13.1.2023-9.6.2023

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Task 2: Concept Design (2 students' groups) - 3 weeks

Due: Thursday, 10 February 2022, 9:00 AM

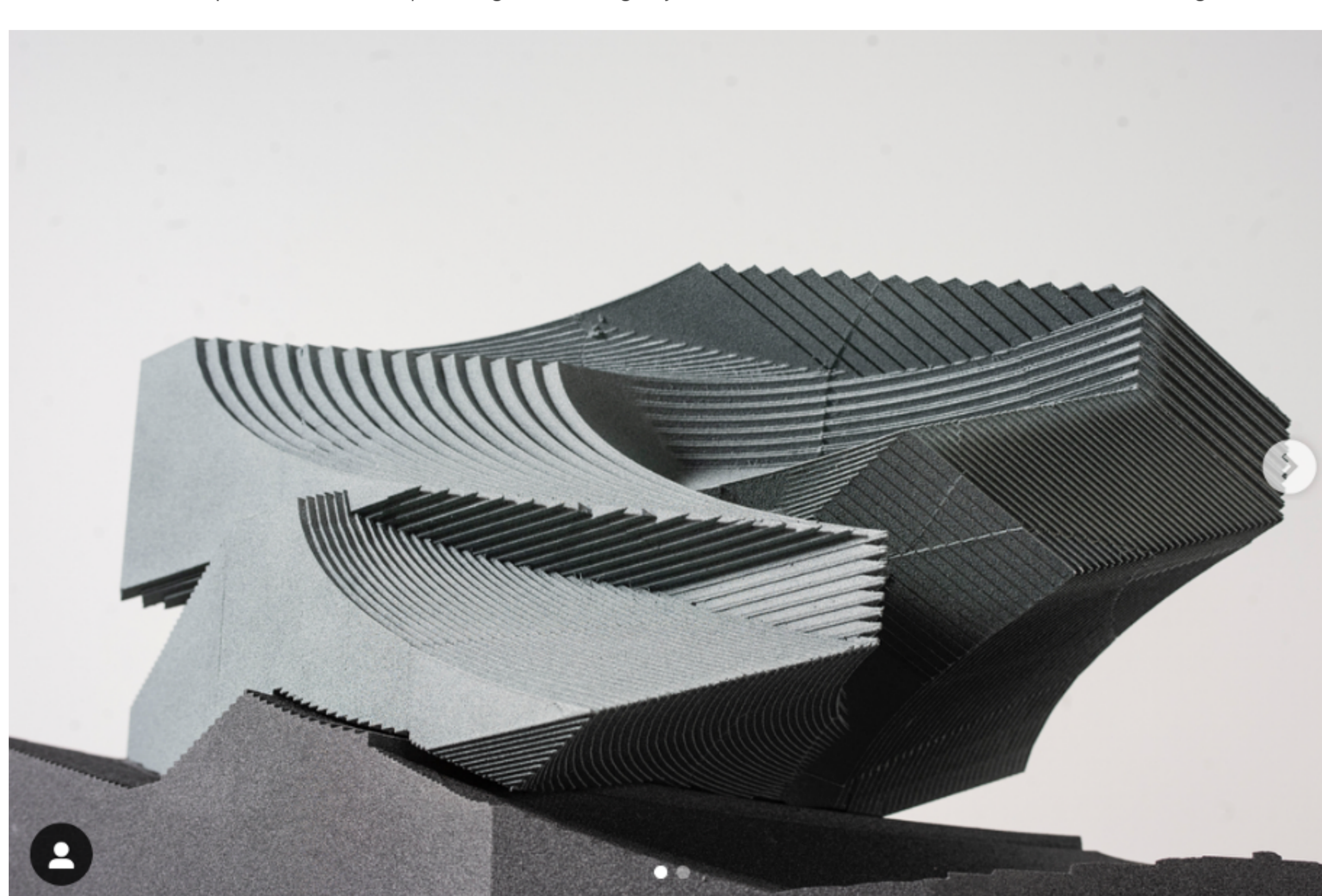
This assignment will be done in pairs.

Intro
Based on your two analysis parts and your own imagination, develop the metaxographic concept for your design.
There should be a creative combination of the two systems of objects (nature and building) to establish a fascinating relationship between them.

Everyone starts by drawing the areals of the [room programme](#) in the same scale with a site plan, in order to understand the extents of the building complex
The following metaxographic methods after that are alternative. Please pick one.

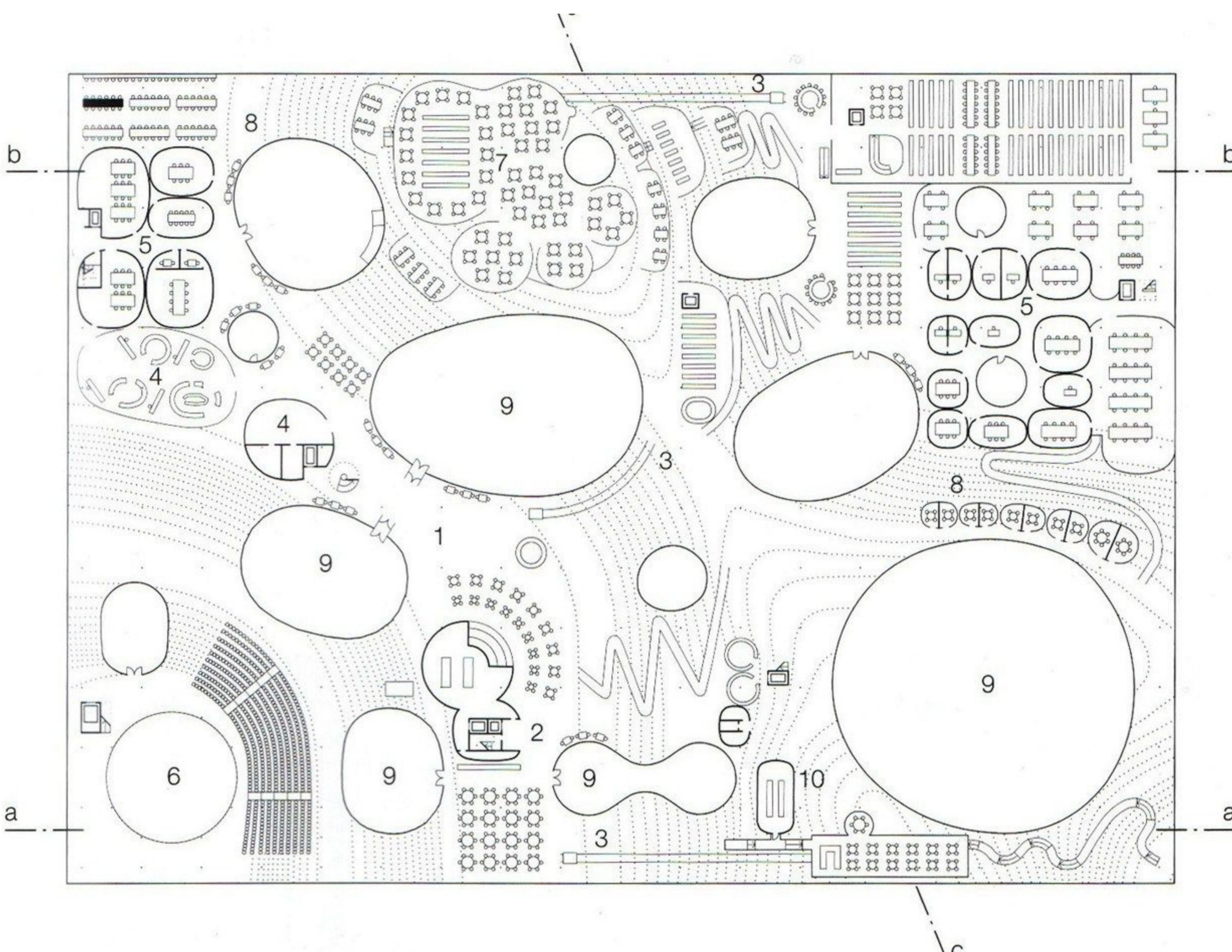
Method 1
Create two elemental objects: one nature-object and one building-object. They should both have creative, unique geometry. These elemental parts can also be a bunch of sub-spaces or sub-elements. They must be 3D.
The elemental objects have to be multiplied and each part modified (turned or deformed according to specified geometric rules) in order to create variation, exciting relationships between them and fit to the site and programme.

Please see an example below: Striated, rectangular building objects with one curved side have been stacked and geometrically modified creating a complexity. The nature-elements are missing in this example though.



Ryan Farnam (SCI-ARC 2018):
Museum as surface impressions

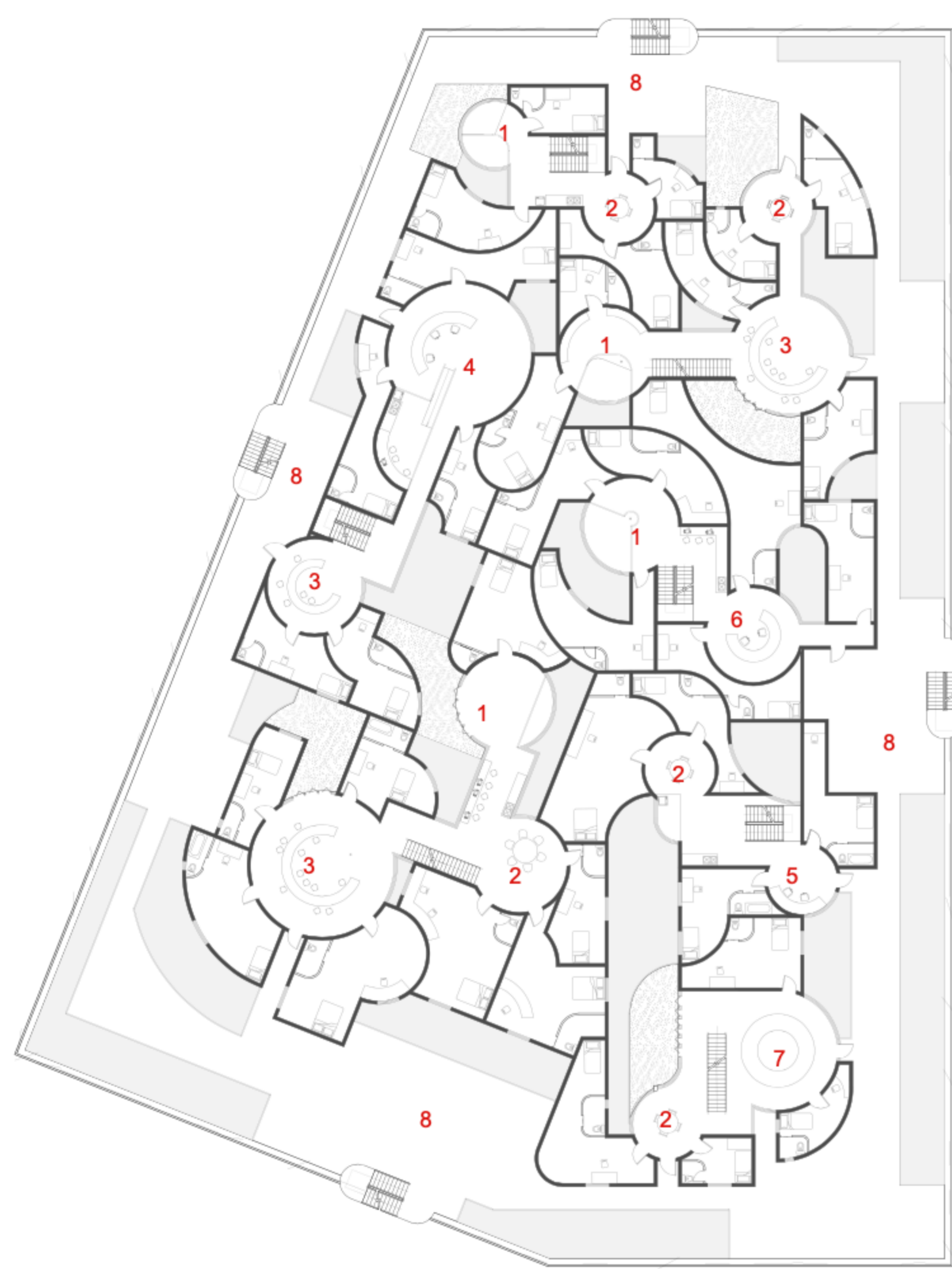
Very large spaces in the [room programme](#) can become interstitial space between other smaller elements. Example:



SANAA:
Rolex Centre, EPFL

Method 2
1) Both students develop their own elemental spatial object (can be a combination of spaces), which must be multiplied to fit the programme. Variations and modifications are allowed.
2) Combine your schemes by using the two objects in an integrated plan. Establish interesting relationships between them and variation.

In Qi Qi's work below, you can see the idea: the two mixed systems here are the circular dining spaces mashed up with rectangular grids. The relationship between them is the hybrid organic-geometric, interstitial spaces in-between.



Qi Qi (Aalto University): Shared house
for freelancers: Collage as homogeneous mixture.

Method 3
1) Return to your metaxographic analysis of the previous assignment, where interesting relationships are apparent. Present these relationships as abstract 3-D diagrams, if you haven't done that already.
2) Implement the same relationship principle to our [room programme](#). Transform each element in order to avoid too much repetition.

Method 4
Mix architectural solutions from unusual scales of nature, to your design work - for example, implement space or bacteria scale spatial phenomena in building or room scale.

Submission
Powerpoint or Acrobat, or other format, suitable for explaining the concept in a powerful manner, preferably max. 20 slides.

- site plan
- floor plans
- sections
- facades
- perspectives
- oblique areal image(s)
- diagrams
- short text

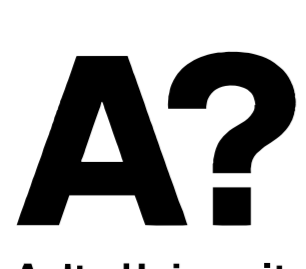
Grading summary

Hidden from students	No
Participants	15
Submitted	0
Needs grading	0
Time remaining	Assignment is due

[View all submissions](#) [Grade](#)

Resources

Task 4: Workshop (group work with Japanese students) - 1 week



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