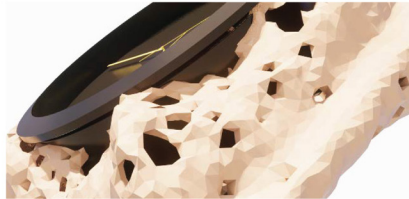
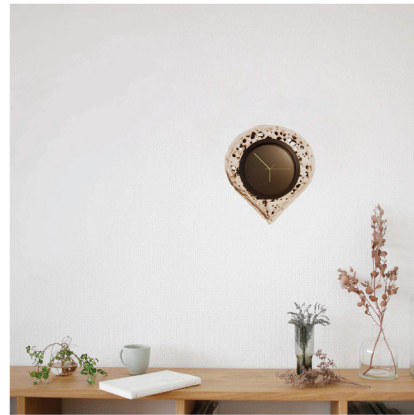
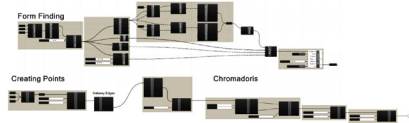
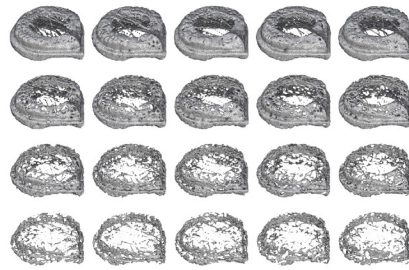


CHROMO'CLOCK

Austin Taylor
 Advanced Modeling Arch 436
 Fall 2023

I began with the idea of redesigning the base to an everyday object. I wanted to combine my original design with the constraints of a found object with a set of rigid dimensions. The size of our 3D printers limited the size of object I could reconstruct, but after finding an old desk clock that I could take apart, my projects concept took shape. I deconstructed the clock and examined all of it's pieces, determining what it was that I would be recreating. Because the mechanics of a clock are so intricate and miniscule, I agreed to leave those alone. I modeled the clock and used grasshopper to find a form using an edge length capsule controlling a bouncy solver. The form was then prepped and ran through Chromadoris, a favorite stylization effect of mine from this semester, where I used Biomorpher to iterate different levels of decay.



Project:

Develop a **strong design concept** to create and 3D print an artifact object = engage with an existing object
 Use **any process** to generate your forms. (Rhino and or Grasshopper)
 Add **Patterns** to your forms using any tessellation method. (Grasshopper)
 Generate **Effects** by incorporating the concept of multiple values into your design. (Grasshopper)
 Produce (3) 3D Prints. Each 3D Print should be approximately 200 mm minimum in any direction
Each 3D Print should be a different engagement with your artifact object

Deliverables:

Produce(1) 36 "x 36" sheet with the following drawings
 (1) Title
 (1) Design Concept / Project Description
 (1) Image showing the 'pure' form before pattern and effect
 (3) Final Artifact Object Engagement Renderings
 Show (10) different parametric conditions (biomorpher iterations)
 Include the Grasshopper definition
 (3) Photos of your 3D Prints. Take the photos of all (3) 3D prints together with a plain white background and good lighting. Include the photos on the 36' x 36" print

Separately, Create (1) 11x17 PDF with the 3D print photos, one photo per page, for online submission only

Schedule:

April 15th	Concept &Initial Diagrams Due
April 22nd	Draft of all deliverables due (Start 3D Prints)
April 29th	3D Prints Due _ Upload Photos (Studio Reviews (No Class))
May 06th	Final Presentation

Submit:

Bring your 3D Prints to the Final presentation
 Submit all deliverables to the shared drive
 Please save your files in a folder Firstname_Lastname
 Please save your work as a PDF Firstname_Lastname_Assignment

HOMEWORK ASSIGNMENTS MUST INCLUDE THE FOLLOWING:

- YOUR NAME
- ARCH 436 ADVANCED MODELING
- SEMESTER / YEAR
- FINAL ASSIGNMENT