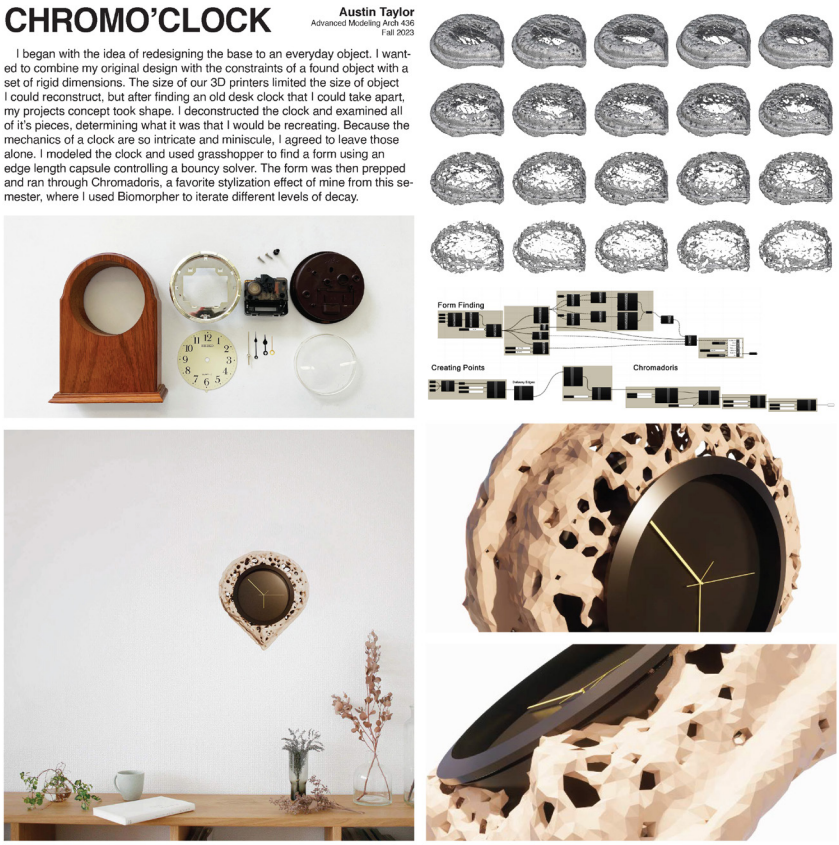
Arch 436 Advanced Modeling _ Professor: Alphonso Peluso

Final _ 3D Print Assignment _ Theme: Real Artifacts _ Patterns & Effects



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