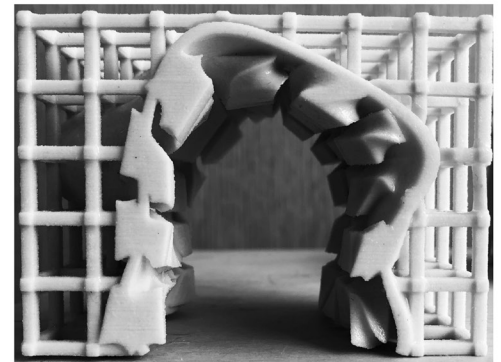


MIDTERM PRESENTATION  
ANDREA COLÁS 23 OCTOBER



**Project:**

Develop a **strong design concept** to create design and 3D print an OPTIMIZED FORM FOUND architectural building element. Examples of building elements are, but not limited to, Curtain walls, Roof panels, Walls, Conceptual building mass studies, nature structures etc... Use **KANGAROO, GALAPAGOS and PANELING TOOLS** (or other tessellation method)

**You must integrate the concept of multiple values into your design**

**3D Print Requirements:** (1) iteration of your Design approximately 4" wide or deep

**Processes:** Rhino / Grasshopper / Kangaroo / Galapagos / Paneling Tools / Parametric Modeling / Form Finding / 3D Printing

**Machines:** Ultimaker 3 3D Printer located in the Architecture Shop or other. Use White Filament

**Objectives:** The design, 3D modeling, and 3D printing process will serve as a means to connect the virtual space to the physical real world space. Create a **non repetitive** tessellation. Use Kangaroo and Paneling Tools (or other tessellation method to create as much **effect** as possible).

**Schedule:**  
Week-07 - Submit design concepts to your Google Drive (The conceptual idea(s) are very important)  
Week-08 - Submit (3) renderings of (3) different iterations of your revised design proposal to your Google Drive. Please also include the grasshopper definition.

**Tuesday March 07th** Week-09 - Submit (3) professional photoshopped photos of your 3D Prints (with good lighting) to your Google Drive.  
**Bring your 3D Print and a 36"x36" print with the following: (3) photos of 3D Print, Grasshopper definition, Project Description, Conceptual design, and renderings, (20) Galapagos Iterations**

(note: deliverables listed above are due before each class)

**Submit:** Submit all deliverables to your shared Google Drive