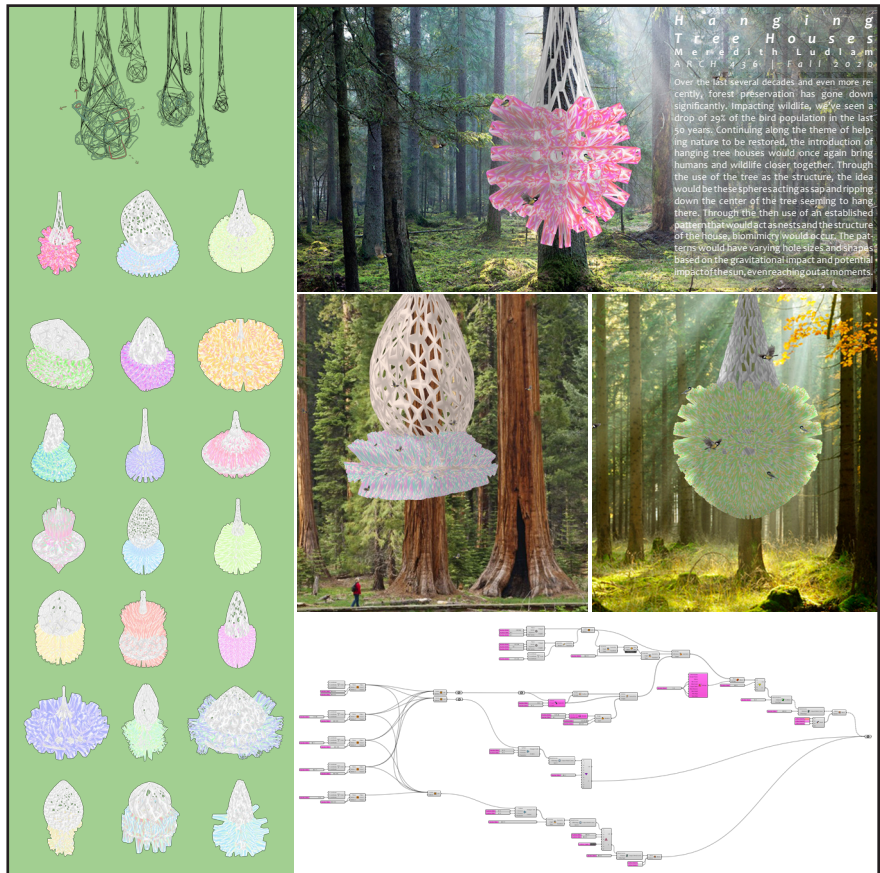**Final Assignment _ Themes ' FORM FINDING' 'OPTIMIZATION' 'EFFECTS' 'COLOR'**

Project: Develop a strong design concept to create an OPTIMIZED FORM FOUND architectural form. Examples of architectural forms are, but not limited to, Curtain walls, Roof panels, Walls, Conceptual building mass studies, nature structures, **etc**...

You must Address the Themes 'Optimization' 'Effects' and add 'Color'
You must integrate the concept of multiple values into your design

Process: Use Kangaroo or Karamba to create the 'form found' architectural form
Use Weaverbird or Mesh + or other to create 'effects' (structural topology)
Use Galapagos or Biomorpher to 'optimize' the form
Color your mesh using the techniques in this video or other Mesh Color Video

3D Print Requirements: **(1) iteration of your Design approximately 4" wide or deep, in color, or white**
3D Printing Budget: Do not spend more than $35 on your 3D Prints

3D Printers: **For Color Prints: Stratasys J55 (in the Idea Shop)**
Stratasys F370 (in the Idea Shop) (Use White Filament)
Ultimaker 3 (in the Architecture Shop) (Use White Filament)
Any other 3D Printers that are available (Use White Filament)

Schedule: Class-13 - Submit design concepts

Class-14 - Submit (3) renderings of (3) different iterations of your revised design proposal
Please also submit the grasshopper definition.

Class-15 - 3D Print is due. Submit (3) professional photoshoped photos

Final Presentation is Week-16 _ May 02nd _ 1:50 - 4:30 pm
Create a 36"x36" sheet with the following:
>   The design concept text, images, and diagrams
>   (20) Iterations
>   (3) Renderings
>   (3) Photos of the 3D Prints
>   Grasshopper definition
(note: deliverables listed above are due before each class)

Submit: Submit all deliverables to your shared Google Drive.