

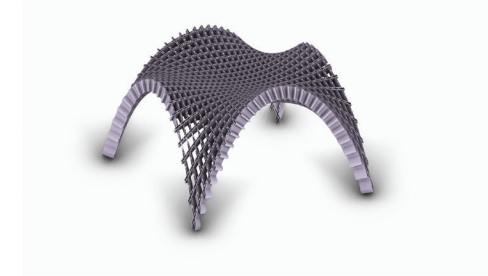
## Assignment 02 \_ Generative Components

A02 | ARCH 436 ADVANCED MODELING

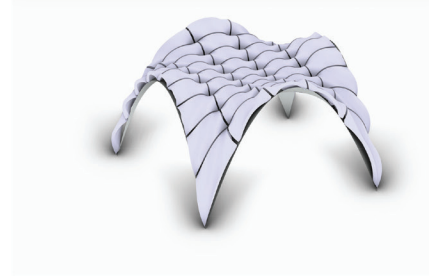
KyLee Hennes



Iteration 01



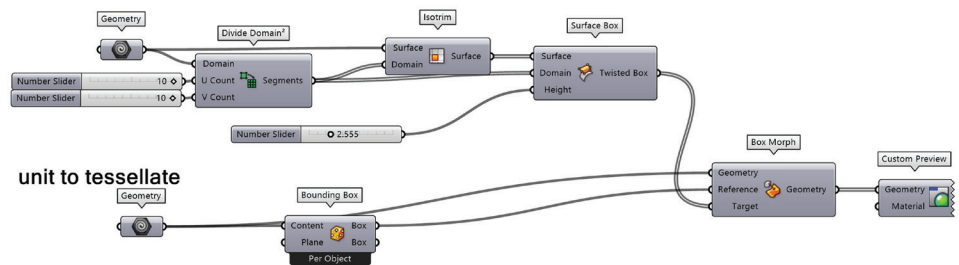
Iteration 02



Iteration 03



### Surface to tessellate



### unit to tessellate

**Project:**

Use Grasshopper to create a component (Unit) then tessellate it.  
Apply (3) multiple value techniques to the tessellation to control the height.

**Objective:**

Explore the basics of Grasshopper and utilize the concepts that Grasshopper is good at.  
Build a Strong Foundation in Grasshopper.

**Process:**

Make a parametric component (Unit) then use the 'Box Morph Method' to tessellate it.

**Schedule:**

Class-03 - Submit the deliverables listed below before the start of class-03:

**Deliverables**

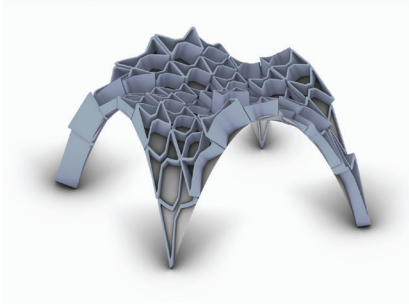
Produce (1) 11x17 sheet with the following drawings  
(3) 3D Views of the 3D Model showing (3) different parametric conditions (iterations)  
(1) Grasshopper Definition  
Produce a second 11x17 sheet using (3) of the techniques from the Build a Strong Foundation Video and apply them to your tessellation above. See the sample on the next page.

**Submit:**

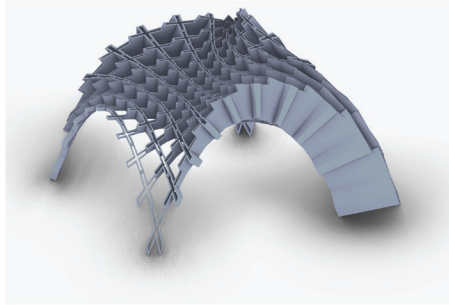
Submit all deliverables to the shared drive  
Please save your files in a folder Firstname\_Lastname  
Please save your work as a PDF Firstname\_Lastname\_Assignment#

**HOMEWORK ASSIGNMENTS MUST INCLUDE THE FOLLOWING:**

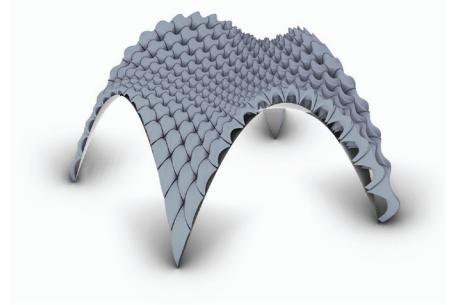
- YOUR NAME
- ARCH 436 - Advanced Modeling
- SEMESTER / YEAR
- HOMEWORK ASSIGNMENT #



Iteration 01  
RANDOM



Iteration 02  
SERIES



Iteration 03  
RANGE

