



Student Work - Sebastian Aguirre

project intro

As groups and individuals, ecological systems will be analyzed for their environmental, social, and economic impact within the southwest region, Las Vegas valley, and site specifics. These various systems will include hydrology, vegetation, soil, climate, and other respective topics at different scales. The purpose of this course session is to understand the relationship and influence between each environmental system as internal and external conditions change through each transition in scale of analysis.

Parametric modeling techniques in conjunction with GIS mapping will be used to combine the analytical data from performance metrics with the spatial conditions and experiences of the environment. This methodology of parametric modeling allows for reactive outcomes as variables in the data and calculators change given the changing conditions and temporal quality.

objectives:

- _understand the correlation and relationship between interdependant variables
- _identify the significance and impact of environmental systems at the global, regional, and local scale that surround the Mojave Desert
- _demonstrate the ability to use performance metrics and calculators with digital modeling methods for analytically extracting environmental conditions, constraints, and opportunities

deliverables:

- _36" x 72" color print outs effectively communicating the performance and function of your ecological systems using both conventional and advanced graphic representation

part_3.0 (150 points)

due_10.25

_methodology create a visually effective narrative of your ecological system at each scale using parametric modeling techniques, GIS datasets and mapping to generate performative visualizations and annotations. These performative metrics will be used from the Landscape Performance Series toolkit, the LAF Performance Guidebook, and other calculators and resources. Annotations must relate directly to it's respective graphic. Communicating the diverse and distinct environmental, social, and economic benefits must be evident, legible, and distinguishable.

_graphic principles the layout and format of your boards must follow a consistent template throughout the entirety of boards. Determine a color theme, typology styles, and grid layout that is appropriate to the communication of your project.

3.0 SYSTEMS NETWORK

LAND 484: Landscape Architecture Design III