

Project 3: Architectonics

Planning, Program + Development

Arch 4101 - Fall 2019

PREMISE

To develop a new building in Uptown Charlotte that positively influences future development of the city by placing public space, street presence and civic ideologies above the current development considerations of exclusiveness, isolation and individuality.



Robinson Tower - KPF

OBJECTIVE

This assignment will build off of the site selection and narrative established during the previous project and give form to these studies. Each student group will be developing a tall multi-use building on their selected site that will add significant value to the City of Charlotte. These interventions will ideally provide significant value on the street scape and utilize their inherent height to influence the skyline of the city and assist in the development of a new development ideology for the city.

METHOD

The remaining portion of the semester will be to design a multi-use high rise in Uptown Charlotte. This building will be approximately 500,000 - 700,000 s.f. (exact square footage will vary by group, site and selected program) and consist of two distinct programmatic elements - the details of which will be elaborated on below. The scope of this segment of the semester will be on overall building design. Specific interest will be placed on the following elements - the public realm, a buildings role in the city, the streetscape, facade articulation and a building as object. Each student group should be employing every tool that they have at their disposal in this process - drawing, physical and digital modeling, writing etc. - and will be required to explore and articulate this process throughout.

PROGRAM

The program typology will be multi-use and shall be established based on negotiations between the student group and the professor. Each student group will articulate and select a programmatic element of their choosing that will comprise roughly one-quarter of the square footage requirement. This selected program must add value to the City of Charlotte and ideally are chosen based on the resultant analysis from Project 2 - examples of this could be Cultural (museum, music venue), Community (school, market) or Infrastructure (transit) etc. The remaining portion of the building shall be a speculative office building. The total square footage for the project shall be between 500,000 - 700,000 s.f., the vast majority of which shall be spec office.

These project will be required to be efficiently designed in plan and consider real world space planning techniques and codes as a component of the design - considerations such as plan efficiency, egress and ADA will all be criteria for design and evaluation.

PROCESS

These projects are to be fully articulated and managed by the individual student groups, with the assistance of the professor. As all sites and programs have been studied and decided upon by the groups the procedure for designing these project are to be done so as well. This process will be fluidly managed by the professor and shall be rigorously documented throughout. At the beginning of each week - Mondays in studio - each student group will outline the following with the professor and provide an email that will establish the weeks goals - Monday-to-Monday. This document shall contain the following information:

Students Names
Group Site
Project Week # w/ dates
Project Name (this will evolve throughout the project)
Project Technical Data: Height, SF etc.
Minimal Goals for the Week
Stretch Goals for the Week
COTE Goals and Strategy for each criteria
 - Theory
 - Application
 - Status
Project Narrative

PRODUCT

All weekly product requirements for the remainder of the semester will be controlled by discussions between student group and the professor.

All review requirements should be in support of or taken directly from the requirements the COTE competition website with the exception of the following:

- Physical Models must be continually made throughout this process and will consist of 3D printed models as well as hand constructed models*
- An Analytique of the project will be required to evolve throughout the semester and will be a required element on the final presentation for the semester and part of the competition submission.*

READINGS

Clark + Pause - Precedents in Architecture (Introduction)
 Cornfield + Edwards - Sense + Quintessence
 Graf - Diagrams
 Kostoff - The City Assembled - Ch 3
 Kwon - Site Specificity
 Schumacher - The Skull and the Mask

EVALUATION

Representation (Diagrams, Drawings, Models)	15%
Narrative Development	10%
Programming / Planning	10%
Public Space Development	15%
Form Studies / Tectonics	15%
Research / Collaboration	10%
Process	25%

DATES

Assigned:	09.13.2019
Review 1:	10.04.2019
Review 2:	10.28.2019
Project X:	10.30.2019