Studio Description

*Multivariate Design.* Manuel De Landa presents a design logic in contrast to modernist or post-modernist thought whereby he rejects thinking in terms of pure essences and representations of the ideal to a more inclusive understanding of multiplicities and differentiation\(^1\). He describes this kind of design thinking as a 'material' process where multiple internal and external constraints work together to produce a resultant condition. Understanding the relationships between force and material that result in specific formal produced from the intricate differences between these variables rather than reductive averages is the proposition in this design thought. To fully leverage these intricate differentiations, advanced computational techniques will be studied and developed to promote a solution that is the result of a multivariate process.

Specifically, the design explorations will begin by researching techniques that have leveraged the relationship between form and performance (in this case structure) to produce novel architectural interventions. The techniques developed from the research will be applied to drive the formal, spatial and structural development of the final project.

*Projects.* A series of small projects will lead to a final building that itself will have multiple uses as to compliment the design thought.

*Site*
New York City. We will travel to NYC to visit the site.