

# TERMINAL

## JFK Terminal 4 concourse expansion

### Hal Hayes

I am arguing that, this matrix space brings to our art a new relevance, and even new aesthetic pleasures and political capacities. *Keller Easterling Metropolis, April 6, 2015*



### Background

This studio will help students develop a strong, comprehensive, holistic design process and learn to seek inspiration from the design components and socio-cultural issues involved in a large, complex building project. The key semester goal is for the student to create a unique individual design that is a civic gateway celebrating New York, is completely responsive to the needs of the users, elegantly balances the many interrelated and interdependent performative systems that are critical to the function, and is a compelling whole that is greater than the sum of its parts.

### Site

Terminal Four Concourse A, John F. Kennedy International Airport, NY

### Scope

The studio project requirements will closely parallel the real project currently being planned for the expansion of T4, a new structure of approximately 10 gates, 100ksf connected through the existing six-gate, 75ksf Concourse A to the main terminal.



Above, and opposite JFK Terminal Four, SOM, 2001

Below: JFK T4 Delta hub phase 2, 2013



**Learning Goals**

Students will test and expand their design and technical skills in all key areas, with particular focus in these three areas.

- Explore the rich and varied conceptual design opportunities arising from architectural, structural, infrastructural and mechanical systems at very large scale and with a high degree of complexity.
- Define and grasp the complete design challenge through research and analysis of the building typology; the exceptionally dynamic functional rhythms, complex programmatic spaces with distinct systems, and a widely diverse user group with varying needs and desires.
- Understand and embrace the duality of the design paradigm, as a principal anchor and integral component of a global transport and communication network, yet with a need to be responsive to local environment, materials & methods, and cultural traditions.

*Below: Terminal Four SOM, completed 2001*



*Top and Above: Jacob Douenias  
JFK T4 concourse A proposal S12*

**Studio Framing**

Students will engage as teams in a robust pre-design exercise;

- Analyze the existing building and site conditions
- Engage with the professional AE design team members working on the actual project
- Develop programmatic and performative goals and objectives.

Students will then individually pursue a concept design for the project based on these complex design parameters;

- Learn design and planning methodologies to effectively address complex projects
- Balance the needs of these parameters as an interdependent network of autonomous systems
- Emphasize the use of hand sketching, physical models and iteration of design, research and analytical work will at varying scales and degrees of resolution