

Towards New Landscapes at CO2=0

IUAV / NYIT-SoAD | Sept. 21st-25th, 2026

PROGRAM (subject to change)

All studio activities will take place at NYIT (EGGC Building, Broadway 1855- room tbd)

Sunday September 20th

2:30PM - 4:30 PM __VISIT TO THE SITE IN RED HOOK

Monday September 21st

Morning:

9:00 AM - 12:30 PM __STUDIO

Break/Lecture:

1:00 PM - 2:00 PM __LECTURE

Lecture 1. (topic: Climate Change & Environmental Risks)
by Professor Jeffrey Raven, NYIT

Afternoon:

2:00 PM - 6:00 PM __STUDIO

6:00 PM - 7:00 PM __LECTURE

Lecture 2. (topic: Proposals for NYC Waterfronts)
by Professors Evan Shieh and Marcella Del Signore, NYIT

Tuesday September 22nd

Morning:

9:00 AM - 12:30 PM __STUDIO

Break/Lecture:

1:00 PM - 2:00 PM __LECTURE

Lecture 3. (topic: Building Performance Analysis)
by Professor Clarke Snell, NYIT

Afternoon: 2:00 PM - 6:30 PM__STUDIO
6:00 PM - 7:00 PM__LECTURE
Lecture 4. (topic: Metabolic Urbanism)
by Professors and Associate Dean Giovanni Santamaria, NYIT

Wednesday September 23rd

Morning: 9:00 AM - 12:30 PM__MIDTERM REVIEWS

Break/Lecture: 1:00 PM - 2:00 PM__LECTURE
Lecture 5. (topic: Low Carb Emissions & Des. Materials)
by Professor Meta Brunzema, PRATT

Afternoon: 2:00 PM - 6:30 PM__STUDIO

Thursday September 24th

Morning: 9:00 AM - 12:30 PM__STUDIO

Break/Lecture: 1:00 PM - 2:00 PM__LECTURE
Lecture 6. (topic: Buildings by SHOP Architects)
by Chris Sharples, Founding Principal -in progress!

Afternoon: 2:00 PM - 8:30 PM__STUDIO

Friday September 25th

Morning: 9:00 AM - 1:00 PM__STUDIO with invited guest

Break: 1:00 PM - 2:00 PM__LUNCH

Afternoon: 2:00 PM - 6:30 PM__STUDIO

Saturday September 26th

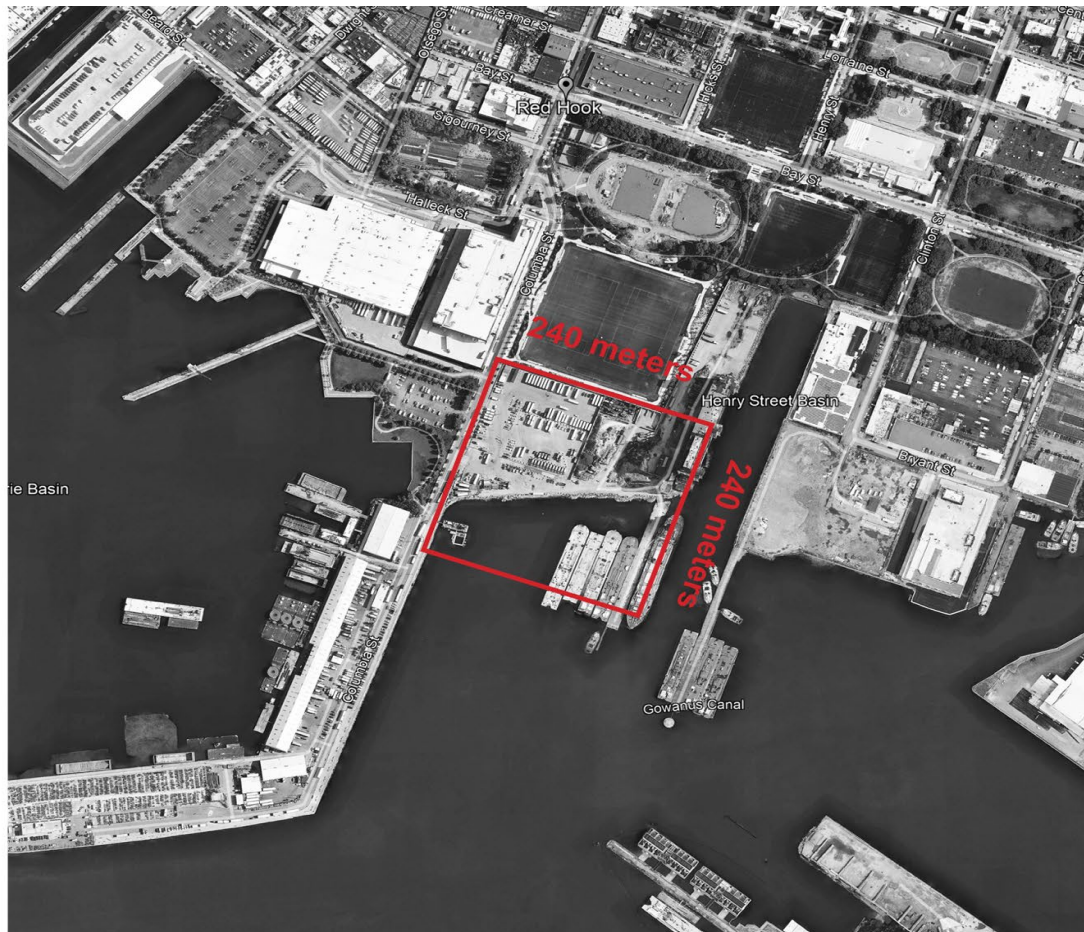
Morning: 9:00 AM - 11:30 AM__FINAL REVIEWS

Break: 11:30 PM - 1:00 PM __REFRESHMENT

WIFI CONNECTION: User:..... Password:.....

An aerial photograph of a section of New York City. A red rectangular box highlights a building complex. To the right of the box, the text 'NYIT' and '1855 BROADWAY' is written in red. Below the box, the text 'COLUMBUS CIRCLE' is written in red. The image shows a dense urban area with many buildings, streets, and a large park area with trees on the right side.

DESIGN SITE: BROOKLYN, RED HOOK



RED HOOK WATERFRONT

City: New York

Continent: North America

Geo-Location: 40° 40' 9" N, 74° 00' 31" W

Site Characteristics & Operations:

Located along Brooklyn's industrial waterfront, Red Hook is a low-lying district shaped by piers, warehouses, maritime infrastructures, flood risk, working yards, the Erie Basin, and the mouth of the Gowanus Canal. As a WATER site, the area can be read through its unstable edges, tidal thresholds, infrastructural basins, residual lots, and layered histories of labor, logistics, and vulnerability. Possible spatial operations include floating public platforms, bridging fragmented waterfront edges, adapting to flood conditions, and transforming industrial margins into spaces of knowledge, gathering, and ecological awareness. The project could ask how sacred equilibrium emerges at the threshold between city and harbor, where water, labor, memory, infrastructure, and climate uncertainty continually reshape the ground.



Università
IUAV
di Venezia

ARCHITECTURE

CO2=0

MASTER 2 LEVEL

**NEW YORK INSTITUTE
OF TECHNOLOGY**

School of Architecture
& Design

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Towards New Landscapes @

Fall 2026

CO2=0

September 21- 25

International Design Workshop IUAV-NYIT

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E F G H I J L M N O P Q R S Z

Long Island Sound

Queens
Brooklyn

Brooklyn

Red Hook

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Jeffrey Raven, PhD, FAIA, LEED BD+C: is Associate Professor at the New York Institute of Technology. Specialist in sustainable and resilient urban design whose research is applied in professional practice and disseminated throughout the profession, government and allied disciplines. The *American Institute of Architects* elevated him to the College of Fellows (FAIA), and he was elected to the *Académie d'Architecture* in France. He has been appointed by the mayor to the *New York City Panel on Climate Change*.

Clarke Snell, AIA: is a licensed architect and an Associate Professor in the School of Architecture and Design at New York Institute of Technology. His professional and academic focus is to develop and apply sustainable and resilient building systems toward a zero-resource architecture. His main threads are: (1) applying research into low-tech, high-performance materials, assemblies, and systems in small scale, low-carbon design/build projects; and (2) bringing building performance simulation workflows into the baseline design toolbox for architecture students. He has written several books and numerous articles on related topics.

Meta Brunzema, LEED, AP: is an architect and urban designer dedicated to sustainability, equity, and justice design. She practices with the Collective for Community, Culture and Environment, LLC, an all-women-owned consultancy and interdisciplinary professional network based in New York City. She holds a Master of Architecture from Columbia University and a Bachelor of Environmental Design Science from Dalhousie University in Canada. Meta is a faculty member at Pratt Institute, where she teaches design and history/theory. She leads the Pratt Decarbonization Group, a research team advancing sustainable building construction, retrofitting, and supply chain practices. Through collaborative architectural design and urban planning policy proposals, the group actively drives industry decarbonization.