

B+C | A

Barnard and Columbia Architecture

ARCHITECTURAL DESIGN: ENVIRONMENTS AND MEDIATIONS
COURSE NUMBER UN2103 Fall 2021
Mondays and Wednesdays, 10:00am – 12:50pm

Barnard and Columbia Colleges Architecture Department
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Junya Ishigami, Disc-shaped dwelling between two rocks, Chile; Tezuka Architects, Woods of Net. Top: student Joy Z's field station

COURSE DESCRIPTION

This architectural design studio course explores modes of visualization, technologies of mediation and environmental transformations. These explorations will be used as catalysts for architectural analysis and design experimentation.

Introducing design methodologies that allow us to see and to shape environmental interactions in new ways, the studio will focus on how architecture may operate as a **mediator** – an intermediary that negotiates, alters or redirects multiple forces in our world: physical, cultural, social, technological, political etc. The semester will progress through three projects that examine unique atmospheric, spatial and urban conditions with the aid of multimedia visual techniques; and that employ design to develop creative interventions at the scales of an interface, space and city.

PROJECT DESCRIPTIONS

PROJECT 1: HUMAN POWERED INTERFACE: the creation of a portable field station for observation and documentation. Data retrieved from “field station” is used to create digital documentation that will serve as blue prints for an architectural and experiential intervention into the landscape.

PROJECT 2: 4TH DIMENSIONAL ARCHITECTURE: Digital documentation and analysis of virtual journeys through international large-scale public works of architecture, are used to create an intervention into the public space of the buildings—a convergence of past, present and future.

PROJECT 3: TIME TRAVELING NYC INFRASTRUCTURE: NYC Past, Present and Future: We explore the natural history of NYC, from Manahatta to the imagined future, and create a new infrastructure across multiple zones of the city.