

THE COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART

ARCHITECTURE ARCHITECTURE ARCHITECTURE

THE IRWIN S. CHANIN SCHOOL OF

ARCHITECTURE

THE COOPER UNION

SUMMER 2014

PROGRAMS

NEW YORK CITY



The Irwin S. Chanin School of Architecture of The Cooper Union offers **4-week intensive summer workshops** for college credit in introductory and advanced programs.

The various workshops introduce students to foundational concepts and practices within the study of architecture, explore the role of advanced digital technologies as a theoretical and formal determinate in contemporary architecture, and provide in depth research in urban sustainability and design competencies.

**All courses for the summer session run July 7-August 1, 2014.**

Each course is a 4-week session, full-time, 4 credits.

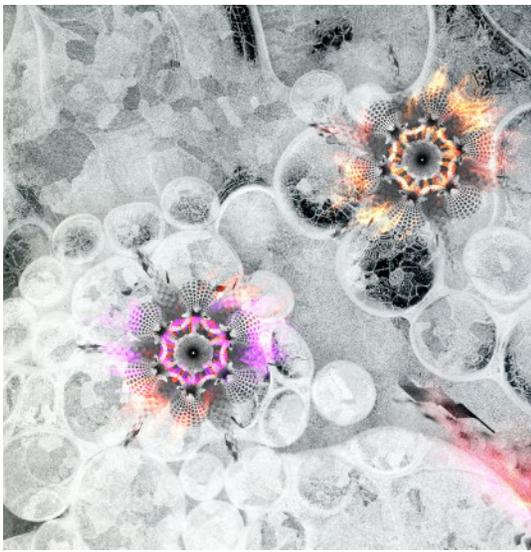
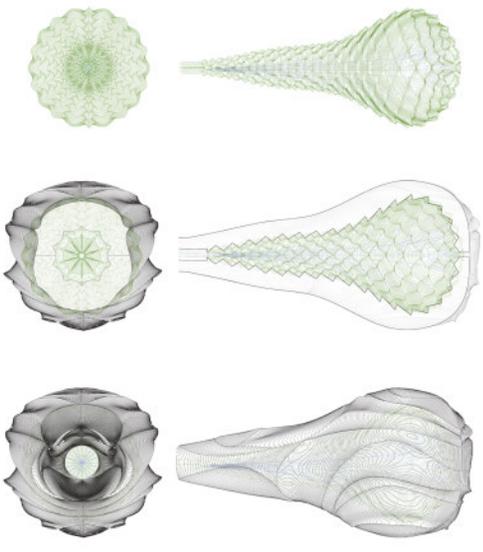
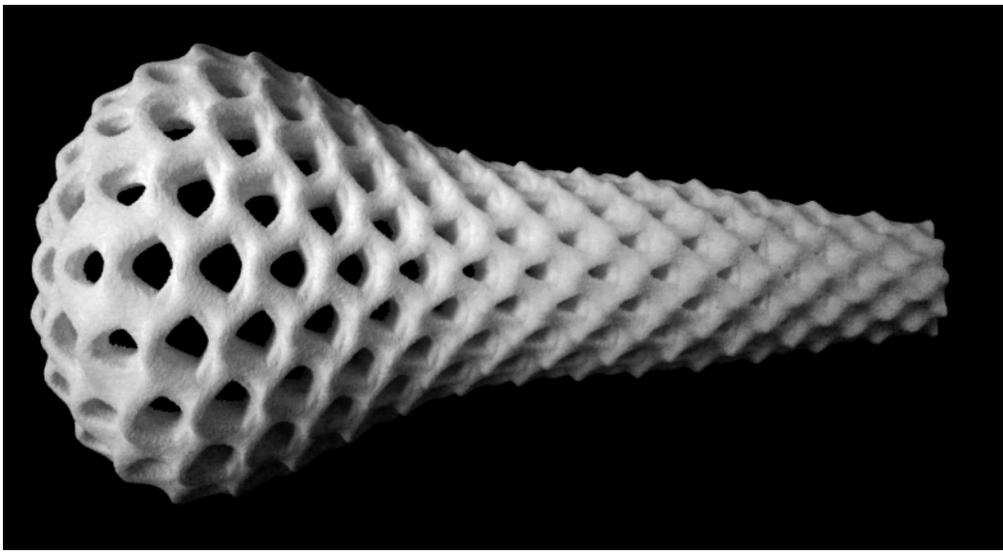
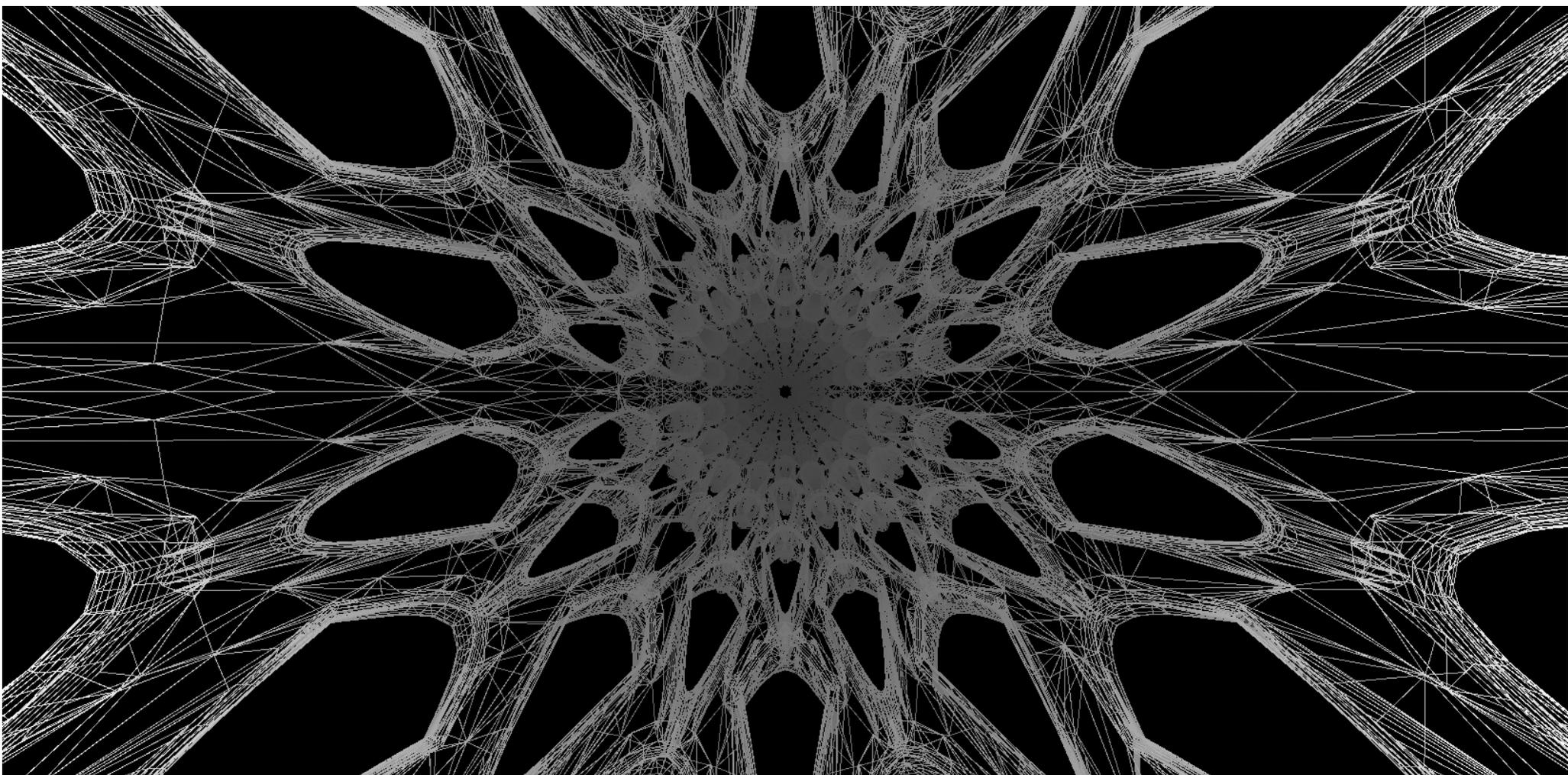
The courses are taught by faculty of The Irwin S. Chanin School of Architecture and supplemented by visiting critics, lecturers, and internationally recognized leaders in education and practice. The Summer Programs draw upon a diverse group of educators from the fields of architecture, urban planning, and design as well as architectural historians and theorists. Instructors include Ferda Kolatan, Jason Payne, Kutana Ayata, Ezio Blasetti, Rhett Russo, David Ruy, Danielle Willems, Michael Young, Stephen Rustow, Georg Windeck, Katerina Kourkoulou, Guido Zulianai, Kevin Bone, Rafi Segal among others.

**Applications will be accepted in January through mid-June 2014.**

Applicants can expect to be informed of the status of their application 2-3 weeks after their submission is completed. Admission is on a competitive and rolling basis as space allows.

**COOPER.EDU/ARCHITECTURE**  
**SUMMERARCH@COOPER.EDU**





## **INTRODUCTION TO ARCHITECTURE**

### **FOUNDATIONAL STUDIES AND PORTFOLIO DEVELOPMENT**

Introduction to Architecture is an intensive, full time, studio-centered summer program that offers college level students a comprehensive overview of the culture, practice and history of architecture through the unique studio design pedagogy that has distinguished the School of Architecture for over thirty years. The program is directed towards students who wish to pursue a professional degree in architecture and seek to develop fundamental skills and an application portfolio.

## **THE SPECULATIVE OBJECT**

### **MASTERCLASS IN DIGITAL ARCHITECTURE**

Shifts in design mediation technologies have produced a different set of representational concerns for architecture. The discourse of Speculative Realism offers a provocative engagement with these design issues through an aesthetic of realism. This intensive workshop, led by internationally recognized leaders in education and practice, will explore different contemporary problems through research, design and the production of images, objects, and scenarios.

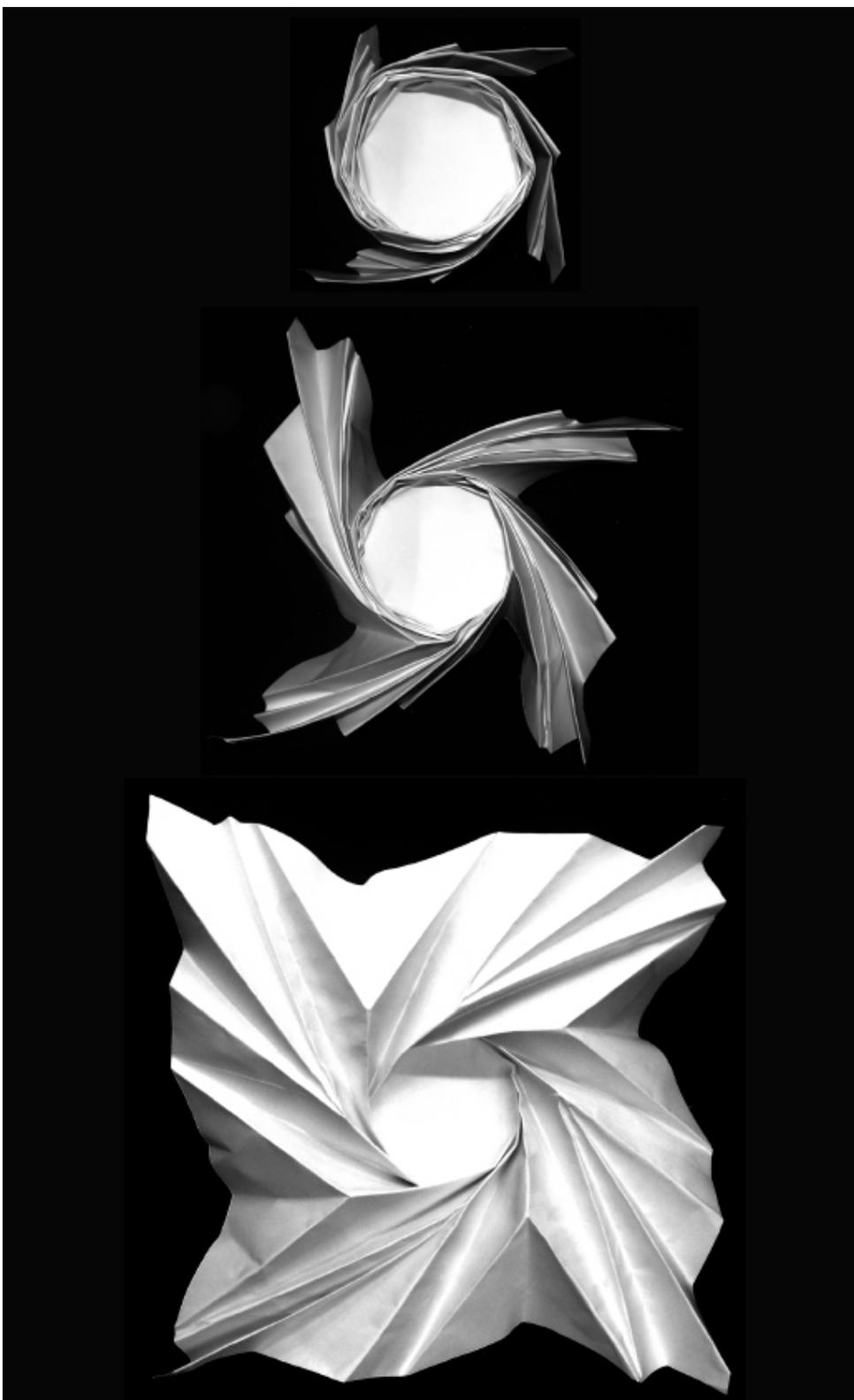
## **SUSTAINABLE URBANISM**

### **INTEGRATIVE STUDIES IN LANDSCAPE, ARCHITECTURE AND INFRASTRUCTURE**

This workshop presents a senior or graduate level experience in urban architecture, built around a curriculum of integrative studies and focused through the research for and design of a site-specific problem in New York City. Through seminars, lectures and a critical immersion in a selected discipline related to the core problem, students develop a design project addressing urban issues from a broadly considered sustainable perspective.

## **COURSES**

THE IRWIN S. CHANIN SCHOOL OF ARCHITECTURE SUMMER 2014 PROGRAMS



## RESOURCES & FACILITIES

The facilities of the School of Architecture are housed on the third and seventh floors of the Foundation Building, initially completed in 1859 and now a National Historic Landmark widely referred to as one of New York City's great monuments. In 1974, John Hejduk, the first dean of the School of Architecture, designed a major alteration of the interior. In 2002, the restoration of the brownstone exterior was completed after two years of work.

### THE STUDIO Rm 330

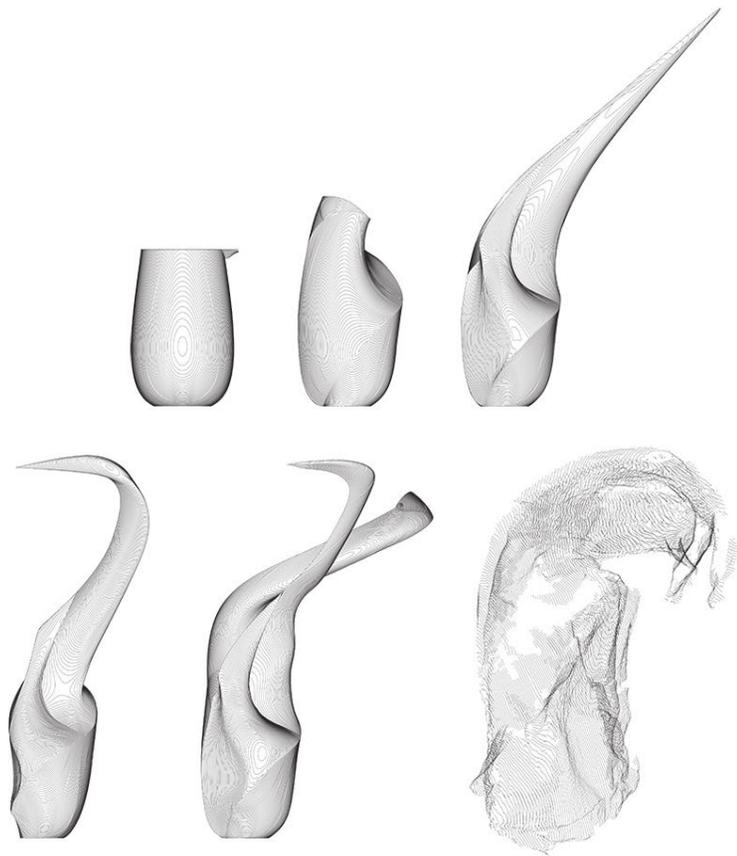
All students enrolled in the School of Architecture summer programs are provided individual workspace on the third floor within a shared studio for drawing, work, reference, model building, etc. In the studios, students work together as a community of individuals. Here, students and faculty from all years engage in a process of rigorous inquiry, discussion and critique, freely sharing knowledge, ideas and methodologies. Students study the principles and works of architecture that have contributed to the betterment of the human condition in the development of their own projects. Students of the upper years serve as mentors for the lower years. Diversity and balance are critical values in generating an academic ambiance where humanistic ideals and ethical views serve as a constant reference for individual growth and development. The social and intellectual environment thus created is considered a vital part of the students' experience at The Cooper Union.

Open Hours: Monday–Friday, 8 am–10 pm and Saturday, 8 am–6 pm.

### 7TH FLOOR COMPUTER STUDIO Rm 712

The School of Architecture Computer Studio on the seventh floor of the Foundation Building is specifically intended to support a design curriculum that recognizes the use of computing as an instrument of investigation and practice and which urges students to explore its formal and cultural implications. The facility utilizes both Macintosh and Dell Precision PCs (including high-end multiple-processor rendering stations), scanning and printing capabilities and two large-format plotters. Software includes an array of imaging, drawing, drafting and 3D modeling and rendering programs. A student monitor trained to assist in the effective use of the facility and to do simple troubleshooting on the hardware is present whenever the center is open. Black and white laser prints are available at no charge; please keep printing to a minimum to avoid waste and conserve resources. Color laser prints are available at 25 cents per sheet; please use a plot card or the coin box adjacent to the color laser printer to pay for your color prints. Plots are available at a charge to cover the cost of ink and paper. Computer Studio monitors are required to ask both students and faculty for a plot card prior to plotting. If you are making plots for class use, please ask the School of Architecture Office for a plot card. Plot cards can be purchased in the School of Architecture Office during office hours.

Open Hours: Monday–Thursday, 10 am–6 pm



## COOPER UNION COMPUTER CENTER

### 8th Floor

As part of the Department of Information Technology, the computer studio located on the eighth floor of 41 Cooper Square. It comprises two high-end Apple MacPro classrooms and a central scanning and color output area. The Department of Information Technology supports both PC and Mac technology, and provides students with a wide range of digital media and imaging options. The facility houses Apple MacPro computers, which can boot into Mac or Windows operating systems, and Dell PCs; high-resolution reflective and transparency scanners; black-and-white and color laser printers; and large format color printers. The Computer Studio workstations are capable of producing high quality digital video and audio for broadcast, new media and web publishing. Software available includes complete suites of applications for graphic design, multimedia, 3Ddesign, audio-video production and animation. The fully-networked studio also provides Internet access, CD and DVD production capabilities and printing to many different types of media. Digital video cameras, digital still cameras and microphones are available for loan by students in the lower level 1 A/V Resource Center. A professional staff of technical assistants during posted Computer Studio hours. Please visit the Computer Center of details on printing and applicable fees.

Open Hours: Monday-Thursday, 9 am-5 pm

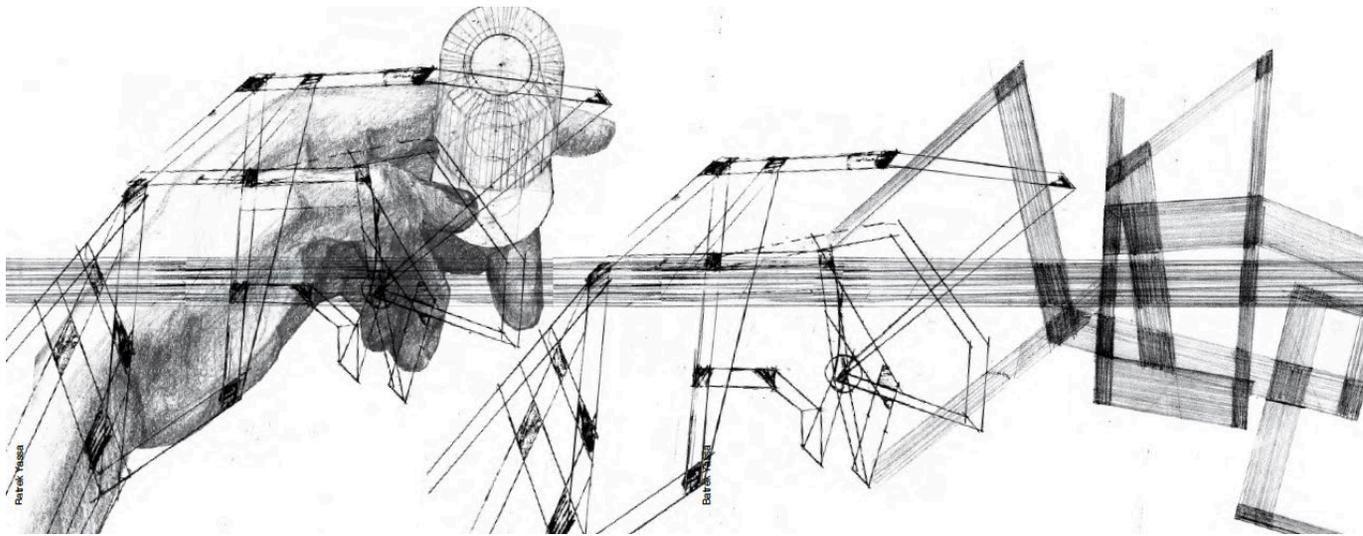
### WOOD/METAL SHOP 4th Floor

An outstanding sculpture shop administered by the School of Art is located on the fourth floor. Integral to both the program and pedagogy of the School of Architecture, the shop is equipped for projects in wood, metal, plastics, plaster and clay, and includes a bronze casting foundry. A professional staff of technical assistants is available continuously during posted shop hours for management and supervision, as well as consultation and collaboration on projects from many different studio disciplines. In the case of injury, to either yourself or a peer, immediately notify a shop technician or faculty member, file an incident report and, if necessary, call 911.

Open Hours: Monday-Thursday, 1-5 pm

### STUDY COLLECTION Rm 714

The School of Architecture has fostered the growth of a non-circulating Study Collection of books and other visual material that are not otherwise accessible through The Cooper Union library system, sometimes including rare or limited edition items, often on loan from private collections. Students make use of the room for quiet reading and study. The room is also used for seminar classes and meetings.



## SCHOOL OF ARCHITECTURE ARCHIVE

### Rm 235

The School of Architecture Archive is responsible for the ongoing collection, records and storage of student work, and has documentation of student work produced at the school since 1983. This provides an invaluable record of the pedagogy of the school that can be used for exhibitions, publications and student research. In addition, the Archive's Blueprint Collection, Lantern Slides, New York Postcard Collection, Stanley Prowler Slide Collection, New York City Waterfront Archive, Limited Edition Books and rare books are resources available for use by students and faculty for research and study. The Archive also manages the loan of analog and digital video cameras as well as other photographic equipment for student use on class projects.

Open Hours: Monday–Thursday,  
by appointment

### THE COOPER UNION LIBRARY 1st Floor

The Cooper Union Library's collections provide support for the academic programs at the institution's three degree-granting schools of Art, Architecture and Engineering, as well as courses in the Humanities and Social Sciences. The Library houses approximately 100,000 volumes of books and back issues of periodicals, the current issues of over 300 periodicals, as well as CD-ROM, microfilm and microfiche. Electronic resources include Internet access and databases in many subject areas. The Collection covers the history of world architecture, with a special emphasis on 19th and 20th century movements, containing substantial holdings on significant European and American architects such as Frank Lloyd Wright, Le Corbusier and Mies van der Rohe. The library is open as a research source to students enrolled in the summer programs but items may not be checked out during the summer session.

Open Hours: Monday–Thursday, 9 am–5 pm



## RESOURCES & FACILITIES

THE IRWIN S. CHANIN SCHOOL OF ARCHITECTURE SUMMER 2014 PROGRAMS



**I do not have any architecture experience. Can I participate?**

You do not need any prior experience in or have studied architecture to participate in the Introduction to Architecture program. Some experience and a facility with design software is required for the advanced courses.

**Are there any specific math or engineering skills necessary? What about computer software skills?**

Students who wish to enroll in the Introduction to Architecture program are not required to have specific skills beyond basic math and general computer literacy. Applicants to the advanced courses should demonstrate an understanding of contemporary computational software such as Rhino, Maya, After Effects and the Adobe Creative Suite.

**Can I work while attending the program? What if I have to miss a class?**

All programs are full-time, 9:30 am to 4:30 pm. Attendance at class meetings is mandatory and students should expect to spend time outside of class developing their projects. Full participation is necessary to successfully complete the course and earn credit.



## FREQUENTLY ASKED QUESTIONS

**What happens after the program ends?**

The Introduction to Architecture program culminates in a portfolio that can potentially be used for applying to an undergraduate degree in architecture. The advanced courses will prepare students for further study in the field of digital architecture and sustainability, which can be used towards pursuing a professional or post-professional degree.

**I am an international student. May I apply to the Summer Programs?**

The current summer session cannot accept international students seeking an I-20 Visa. International students who hold an I-20 Visa from another institution may attend The Cooper Union during the summer. To discuss alternative visa options please contact John Falls, Assistant Dean of Admissions, at 212.353.4192 or falls@cooper.edu.

**Are scholarships available?**

Scholarships and Financial Aid are not available for the Summer Programs at The Cooper Union.

**How do I find housing in New York City?**

Information on finding potential housing can be found on The Cooper Union website at <http://cooper.edu/students/housing/other-options>.

**What equipment and/or materials will I need to bring?**

All accepted students to the Summer Programs are expected to have a personal laptop and will be responsible for basic studio tools and supplies. Students will be provided with a detailed list of required supplies before the first class. There are several art supply stores in the neighborhood that offer student discounts on tools and materials.

**Can credit from the Summer Programs later be applied towards a bachelor's or master's degree?**

The Cooper Union is accredited by the Middle States Association of Colleges and Schools (MSA) and the School of Architecture is accredited by the National Architectural Accrediting Board (NAAB). Students will receive a transcript for credits earned; credits are transferred at the discretion of the student's home institution or the prospective institution the student is applying to.

For any further questions please contact [summerarch@cooper.edu](mailto:summerarch@cooper.edu) [www.cooper.edu/architecture](http://www.cooper.edu/architecture)

**The Cooper Union for the Advancement of Science and Art** is situated on the edge of Manhattan's East Village, easy walking distance to Washington Square Park and the bookstores, galleries and film houses of Greenwich Village.

#### SCHOOL OF ARCHITECTURE CONTACTS

##### The School of Architecture Administration

Elizabeth O'Donnell, Acting Dean, Rm 338  
Emmy Mikelson, Senior Associate for Public Programs and New Initiatives, Rm 337  
Monica Shapiro, Academic Administrator, Rm 301  
Robyn Fitzsimmons, Administrative Assistant, Rm 301

##### The School of Architecture Archive, Rm 235

Steven Hillyer, Director  
Sarah Burrell, Special Projects Associate  
Pat McElnea, Collections Assistant

##### Security Desk

The Foundation Building: 212.353.4180  
41 Cooper Square: 212.353.4270  
General Telephone: 212.353.4100  
Emergency Hotline: 212.353.7918

#### BUILDING ACCESS

The Cooper Union is comprised of three buildings:

**The Foundation Building** 7 East 7th Street

**New Academic Building** 41 Cooper Square

**Administrative Offices** 30 Cooper Square

##### Official Building Hours

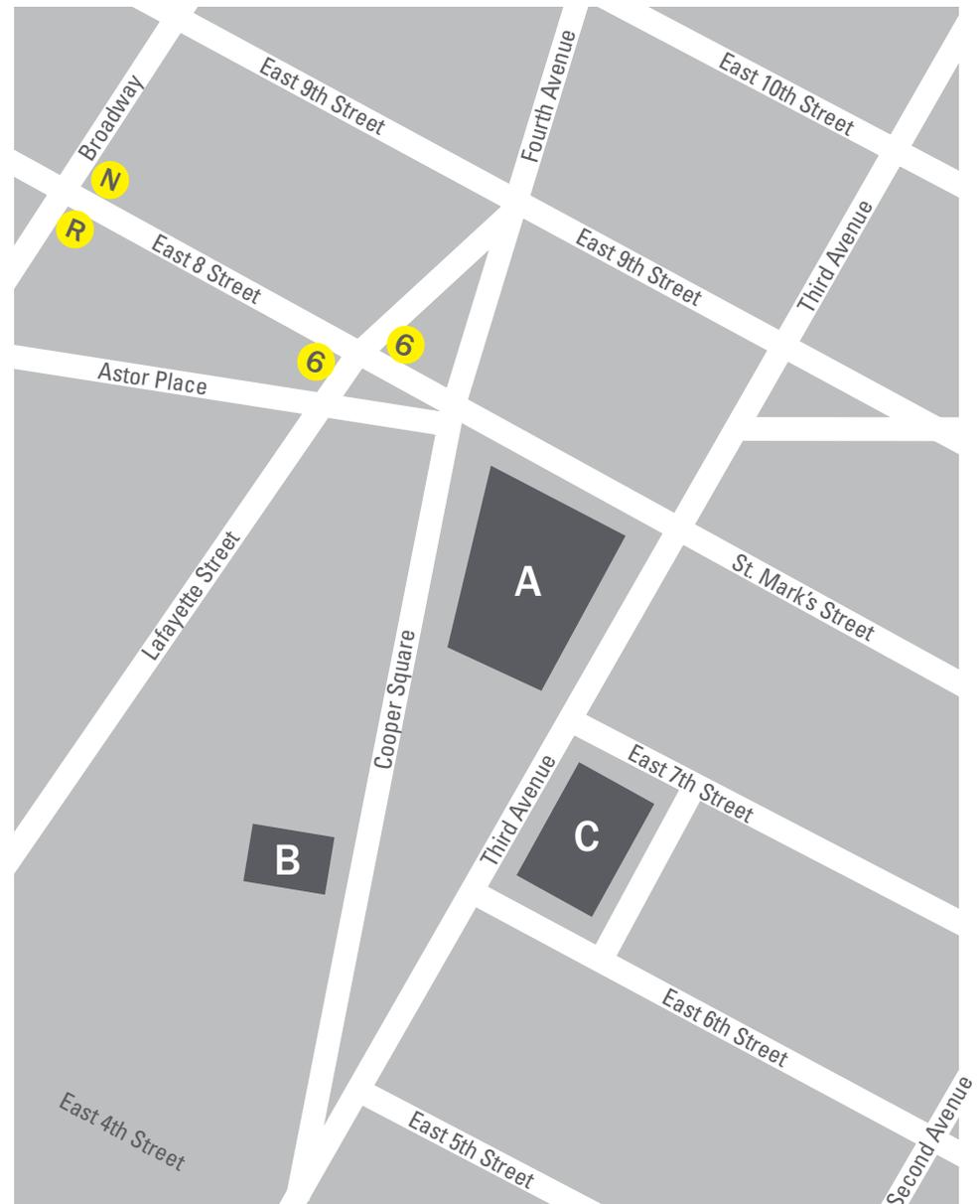
Monday–Thursday, 8 am–5:15 pm  
Friday, Saturday, Sunday: Closed

Extended Studio Hours for program participants:

Monday–Friday, 8 am–10 pm  
Saturday, 8 am–6 pm | Sunday: Closed

Please note that the School of Architecture administrative offices are closed on Fridays during the summer.

Only students with a valid Cooper Union issued ID may enter the building. Guest passes may be requested in the main office, Rm 301, on a case-by-case basis.



**A**  
**Foundation Building**  
7 East 7th Street

**B**  
**Administrative Offices**  
30 Cooper Square

**C**  
**New Academic Building**  
41 Cooper Square

**N R**  
**"8 Street" Station**

**6**  
**"Astor Place" Station**



## SOURCES FOR MATERIALS AND TOOLS

**New York Central Art Supply**  
62 3rd Avenue  
New York, NY 10003  
(212) 473.7705  
nycentralart.com

**Utrecht Art Supplies**  
21 East 13th Street  
New York, NY 10003  
(212) 924.4136  
utrechtart.com

**Utrecht Art Supplies**  
148 Lafayette Street  
New York, NY 10013  
(212) 431.3864  
utrechtart.com

**Blick New York City**  
1 Bond Street  
New York, NY 10012  
(212) 533-2444  
dickblick.com

**Soho Art Materials**  
7 Wooster Street  
New York, NY 10013  
(212) 431.3938  
sohoartmaterials.com

**A.I. Friedman Art and Computer Graphics Supplies**  
44 West 18th Street  
New York, NY 10011  
(212) 243.9000  
aifriedman.com

**Pearl Paint**  
308 Canal Street  
New York, NY 10013  
(212) 431.7932  
pearlpaint.com

**The Compleat Sculptor**  
90 Vandam Street  
New York, NY 10013  
(212) 243.6074  
sculpt.com

**Canal Plastics Center**  
345 Canal Street  
New York, NY 10013  
(212) 925.1032

**T & T Plastic Land Inc.**  
315 Church Street  
New York, NY 10013  
(212) 925.6376  
canalplastics.com

### LUMBER & HARDWARE

**Metropolitan Lumber**  
175 Spring St  
New York, NY 10012  
(212) 966.3466  
metlumber-nyc.com

**Brickman's 18th Street Ace**  
312-316 First Avenue  
New York, NY 10009  
(212) 674.2266

**H. Brickman & Sons**  
55 1st Ave  
New York, NY 10003  
(212) 674.3213

**Janovic Paint**  
80 4th Ave  
New York, NY 10003  
(212) 477.6930  
janovic.com