

INTRODUCTION : ARCHITECTURAL DESIGN & VISUAL CULTURE

FINAL

09/04/18

Barnard / Columbia Architecture Program
ARCH V1020 001
FALL 2018
M/W 13:10 - 15:00
Lewisohn Hall 116A
Columbia Campus
Instructor: R. Todd Rouhe
Office Hours: M/W 15:30 - 17:30 by appointment
rrouhe@barnard.edu

INTRODUCTION. Today Architecture is more than the practice of designing buildings. The boundaries of the discipline are dissolving as the representations of architecture and the built environment become part of an extended experience of visual culture. Visual culture is not just part of your everyday life - it is your everyday life. Human experience is more visual and visualized than ever before. Visual culture does not depend on images, per se, but on the tendency of contemporary society to picture or visualize existence. In this way, being seen and the agency of self-representation becomes an important part of our public and private lives. Our identity and social relationships develop through being seen, observing, analyzing and trying to understand the proliferation of visual and spatial information around us. This design studio will explore the critical role that architecture can play in shaping our experience of the built and virtual environment while introducing students to the methods and techniques of architectural representation.

PROJECTS for this course will explore a set of fundamental conditions that contribute to a definition of architecture and visual culture. Through engagement and participation in the studio process students will be expected to:

VISUALLY communicate spatial concepts and design intent using discipline-specific techniques including:

- orthographic projections (plans, elevations, sections)
- paraline drawings (axonometric, isometric)
- physical models with various methods and materials
- multiple media and/or combined representational strategies

VERBALLY communicate visual research methods and spatial concepts.

DEMONSTRATE an understanding of precedent and analysis of sites and places in the built environment.

UNDERSTAND that the design method is a step-by-step, iterative and incremental process of research, synthesis and feedback.

ENGAGE in design thinking as responsive to social and cultural context.

DEVELOP the ability to work independently and collaboratively.



“In societies where modern conditions of production prevail, all of life presents itself as an immense accumulation of spectacles. Everything that was directly lived has moved away into a representation.”

“The spectacle is not a collection of images; rather, it is a social relationship between people that is mediated by images.”

Guy Debord, *Society of the Spectacle*

STUDIO

Barnard / Columbia
Architecture Program
ARCH V1020 001
FALL 2018
M/W 13:10 - 15:00
Instructor: R. Todd Rouhe

FINAL

09/04/18

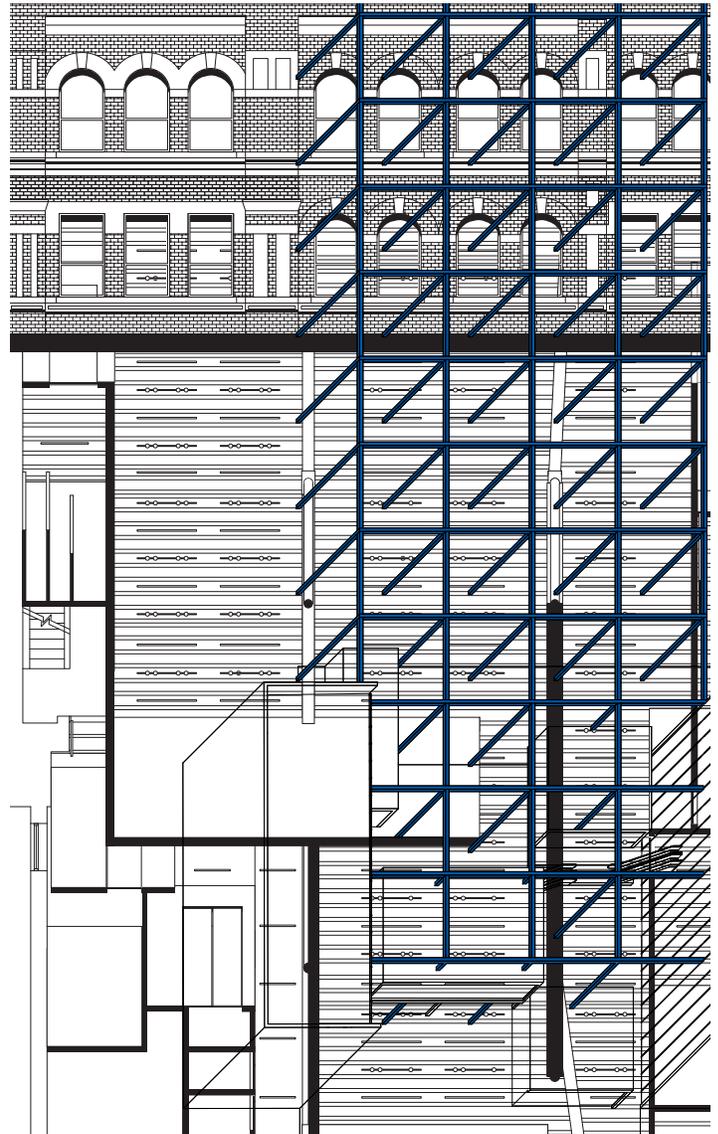
METHOD. This course is based on the studio method in which students respond to design problems over an extended period of time guided by feedback from the instructor and fellow students. In some ways the design studio is similar to a science lab where project based learning occurs in an open environment. Each exercise is open-ended; students are encouraged to explore multiple solutions to a design problem before developing the final proposal for each project. Collaboration is encouraged as the information shared between students reveals alternative approaches to the design problems.

Class time will be divided into individual critiques with the instructor, group discussions and presentations. Presentation of work will be either informal (pin-up) or formal (review). In both cases students are expected to present their work intelligently (visually and verbally) in order to instigate a discussion about the ideas in their work.

PREREQUISITES: This is an introductory course for students interested in thinking about architecture. It is intended for non-architecture majors that are interested in the process of design and design education. There are no prerequisites, with the exception of a passion and a will to speculate.

GRADING: is based on the conceptual strength of your work, the development of your project, and technical execution. Creative risks are encouraged and will be rewarded. Attendance, participation in group discussions and improvement throughout the semester will all be factors affecting your grade.

Project 01	15% Final Grade
Project 02	25% Final Grade
Project 03	20% Final Grade
Project 04	30% Final Grade
Participation	10% Final Grade



“Recognition of the drawing’s power as a medium turns out, unexpectedly, to be recognition of the drawing’s distinctness from and unlikeness to the thing that is represented, rather than its likeness to it, which is neither as paradoxical or dissociative as it may seem”

Robin Evans, *Translations from Drawing to Building*

FINAL 09/04/18

ATTENDANCE: Attendance is mandatory at the scheduled class time. Three non-consecutive absences will reduce your grade by 1/3 of a letter grade (e.g. A- to B+). Absences due to acute illness, a personal crisis (e.g. death in the family), or religious observance may be excused. In all such cases, students must promptly email their instructor to communicate the reason for their absence and to arrange an opportunity to review any important information that they may have missed.

HONOR CODE: The Barnard Honor Code applies to all students in this class regardless of academic affiliation. Approved by the student body in 1912 and updated in 2016, the Code states:

We, the students of Barnard College, resolve to uphold the honor of the College by engaging with integrity in all of our academic pursuits. We affirm that academic integrity is the honorable creation and presentation of our own work. We acknowledge that it is our responsibility to seek clarification of proper forms of collaboration and use of academic resources in all assignments or exams. We consider academic integrity to include the proper use and care for all print, electronic, or other academic resources. We will respect the rights of others to engage in pursuit of learning in order to uphold our commitment to honor. We pledge to do all that is in our power to create a spirit of honesty and honor for its own sake.

The Columbia College Honor Code can be viewed here:

<https://www.college.columbia.edu/honorcode>
<https://www.college.columbia.edu/faculty/resourcesforinstructors/academicintegrity/statement>

ACADEMIC ACCOMMODATIONS: If you are a student with a documented disability and require academic accommodations in this course, you must register with the Office of Disability Services (ODS) for assistance. Students requesting accommodations will need to first meet with an ODS staff member. Once registered, students are required to request accommodation letters each semester to notify faculty. Accommodations are not retroactive, so it is best to contact ODS early each semester to access your accommodations. If you are registered with ODS, please see me to schedule a meeting outside of class in which you can bring me your faculty notification letter and we can discuss your accommodations for this course. Students are not eligible to use their accommodations in this course until they have met with me. ODS is located in Milbank Hall, Room 009/008. Columbia ODS is located in Wien Hall, Suite 108A.



FINAL

09/04/18

WELLNESS. It is important for undergraduates to recognize and identify the different pressures, burdens, and stressors you may be facing, whether personal, emotional, physical, financial, mental, or academic. We as a community urge you to make yourself—your own health, sanity, and wellness—your priority throughout this term and your career here. Sleep, exercise, and eating well can all be a part of a healthy regimen to cope with stress.



WELLNESS RESOURCES

Resources exist to support you in several sectors of your life, and we encourage you to make use of them. Should you have any questions about navigating these resources, please visit these sites:

<http://barnard.edu/primarycare>

<http://barnard.edu/counseling>, <http://barnard.edu/wellwoman/about>

<http://health.columbia.edu/>

STUDIO ACCESS. After the first week of classes, students will be granted 24-hour access to the studio and DAL through your school ID. It is crucial that the doors to these spaces remain closed and locked at all times for your personal safety and your belongings' security. Please do not prop open the door and do not leave any valuables unattended at your desk. The studio and the DAL are open to all students in approved courses; please respect other critics and students that are using the space. Barnard and Columbia Security officers do periodically check the studio but security is a responsibility that we all share; please help us maintain a safe and productive environment. If your personal belongings are stolen (or go missing) please notify your instructor and Barnard Public Safety (for room 404 Diana) or Columbia Public Safety (for 116 Lewisohn)

ROOM RULES

You must provide your own lock for the locker

The studio must remain locked at all times

Use the spray hood in the model building room for spray paint or fixative

Use headphones for listening to music

You are responsible for keeping your desk and your storage area clean and organized. If you are using an empty desk adjacent to your assigned seat, it is also your responsibility to keep this area free of debris

100% of the work surface of your desk space should be covered with 3-ply chipboard or vinyl board cover. Do not cut, carve, glue or otherwise destroy the plywood desktop.

TOOLS & SUPPLIES

Barnard / Columbia
Architecture Program
ARCH V1020 001
FALL 2018
M/W 13:10 - 15:00
Instructor: R. Todd Rouhe

FINAL

09/04/18

EQUIPMENT. Projects for the course require the use of basic architectural tools and supplies. Tools are implements used to accomplish the fabrication of the studio projects - they should be durable and last the duration of this course and beyond. Supplies are an estimated amount of material necessary for use, along with the architectural tools, on the studio projects - they may need to be replenished during the semester. Your tools and supplies should be carefully stored and maintained. You will be expected to bring all necessary tools and supplies to each class. No excuses for incomplete work should be made for lack of equipment, please make sure that you have access to all necessary materials at your workspace. Required tools and supplies are listed below. The estimated cost for these Tools and Supplies listed below is \$175 - \$200. Supplemental tools and supplies may be used if so desired.

TOOLS

Portable drafting board with parallel rule. At least 24" x 30"
*Alternative – 1/8" white board and 24" T-square - with plastic edge
Cutting surface (30" x 40" piece of 1/8" chipboard)
24" stainless steel straight edge ruler
8" or 10" 30/60 degree triangle
8" or 10" 45 degree triangle
Lead Holder
Lead Pointer
Pencil Sharpener
Olfa knife with 1/2" snap off blades
X-acto knife with #11 blades
6-sided **architectural** scale

SUPPLIES

Drafting Leads (4B, 2B, HB, F, H, 2H, 4H)
Sketching Pencils - General or Sanford #314
Black permanent markers (Sharpie or Alvin)
White pencil eraser
18" roll of white or buff colored tracing paper
3 - 5 sheets of **1/6" thick single-ply** chipboard
3 - 5 sheets white 2 ply Strathmore 500 series
Bristol Board (23" x 29")
White glue (Sobo)
Artist tape
Sketch book

CAMERA

Digital camera (cell phone camera ok)



SUPPLY LOCATIONS:

Janoff's – 2870 Broadway New York City. Closest art store to campus

Blick Art Materials - Harlem Location: 261 W. 125th Street. And several locations throughout Manhattan

Canal Plastics Center - 345 Canal Street. Plastic and Fabrication services. They also offer a student discount

SCHEDULE

Barnard / Columbia
 Architecture Program
 ARCH V1020 001
 FALL 2018
 M/W 13:10 - 15:00
 Instructor: R. Todd Rouhe

FINAL 09/04/18

DATE	PROJECT	ACTION
Sep 05	Introduction:	presentation
Sep 10	Project_00:	Project_00 assigned
Sep 12	Project_00:	pinup
Sep 17	Project_00:	pinup
Sep 19	Brainstorm:	desk crits
Sep 24	Brainstorm:	desk crits
Sep 26	Introduce: Project_01	discuss
Oct 01	Project_01:	desk crits
Oct 03	Project_01:	desk crits
Oct 08	Presentation: Project_01	pinup
Oct 10	Introduce: Project_02	assigned
Oct 15	Project_02:	desk crits
Oct 17	Project_02:	desk crits
Oct 22	Project_02:	desk crits
Oct 24	Presentation: Project_02	pinup
Oct 29	Introduce: Project_03	assigned
Oct 31	Project_03:	desk crits
Nov 05	Academic Holiday:	no class
Nov 07	Project_03:	desk crits
Nov 12	Presentation: Project_03	pinup
Nov 17	Introduce: Project_04	assigned
Nov 19	Project_04	desk crits
Nov 21	Thanksgiving Holiday:	no class
Nov 26	Project_04	desk crits
Nov 28	Project_04	pinup
Dec 03	Project_04	desk crits
Dec 05	Project_04	desk crits
Dec 10	Presentation: Project_04	final review



The schedule is subject to adjustment during the course of the semester based on the progress of the entire studio group from one project to the next. Any schedule conflicts due to religious or health reasons, etc. should be brought to the attention of the studio instructor during the first week of the semester.

REFERENCES

Barnard / Columbia
Architecture Program
ARCH V1020 001
FALL 2018
M/W 13:10 - 15:00
Instructor: R. Todd Rouhe

FINAL 09/04/18

- BK 01: Graphics for Architecture, Kevin Forsyth, Wiley and Sons, 1980
- BK 02: Species of Spaces and Other Places, Georges Perec, Penguin Books, 1997
- BK 03: See Yourself Sensing, Madeline Schwartzman, Black Dog Publishing, 2011
- BK 04: Translations from Drawings to Buildings and Other Essays, Robin Evans, Architectural Association, 1997
- BK 05: Public Private Secret, On Photography & the Configuration of Self, Charlotte Cotton, Aperture, 2018
- BK 06: Delirious New York, Rem Koolhaas, The Monacelli Press, 1978
- BK 07: Structures for Reflection, Allen Wexler, Neuer Folkwang-Verlag Hagen, 1993
- CIN 01: The Social Life of Small Urban Spaces, William Whyte, US, 1980
- CIN 02: Man with a Movie Camera, Dziga Vertov, Soviet Union, 1929
- CIN 03: Five Obstructions, Lars von Trier and Jorgen Leth, Denmark, 2003
- CIN 04: Playtime, Jacques Tati, France, 1973
- CIN 05: La Jetee, Chris Marker, France, 1962
- CIN 06: The Way Things Go, Switzerland, 1987
- CIN 07: Wings of Desire, Wim Wenders, Germany, 1996
- CIN 08: Powers of 10 - The Films of Charles and Ray Eames, 1968

- WEB 01: <http://www.spatialagency.net>
- WEB 02: <https://archpaper.com>
- WEB 03: <http://www.bldgblog.com>
- WEB 04: <http://biber.co/100-ideas/>
- WEB 05: <http://www.sectioncut.com>
- WEB 06: <https://archinect.com>
- WEB 07: <http://stuckinstudio.com>
- WEB 08: <https://architizer.com/blog/>
- WEB 09: <http://archigram.westminster.ac.uk/>

AFFORDABLE ACCESS TO CLASS TEXTS. All students deserve to be able to access course texts. The high costs of textbooks and other course materials prohibit access and perpetuate inequity, and Barnard librarians are partnering with students, faculty, and staff to increase access. By the first day of advance registration for each term, you should be able to view on Canvas information provided by your faculty about required texts (including ISBN or author, title, publisher and copyright date) and their prices. Once you have selected your classes, here are some cost-free methods for accessing course texts, recommended by the Barnard Library: find out if your faculty



has placed the texts on reserve at Barnard Library or another Columbia library, and look for course texts using CLIO (library catalog), Borrow Direct (request books from partner libraries), Interlibrary Loan (request book chapters from any library), and NYPL. Students with financial need or insecurity can check items out from the FLIP lending libraries in the Barnard Library and Butler Library and can consult with the Dean of Studies and the Financial Aid Office about additional affordable alternatives for getting access to course texts.

B+C I A
Barnard and Columbia Architecture