

COLUMBIA
UNIVERSITY
BULLETIN
2017-2018

GRADUATE
SCHOOL OF
ARCHITECTURE
PLANNING AND
PRESERVATION

DIRECTORY

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TABLE OF CONTENTS

EDUCATIONAL PURPOSE	7
THE GRADUATE SCHOOL OF ARCHITECTURE, PLANNING, AND PRESERVATION	8
PROGRAMS	
Master of Architecture Degree Program	30
Master of Science Degree in Advanced Architectural Design	52
Master of Science Degree in Architecture and Urban Design	62
Master of Science in Critical, Curatorial, and Conceptual Practices in Architecture	67
The Ph.D. Program in Architecture (History and Theory)	73
Master of Science Degree in Urban Planning	78
The Ph.D. Program in Urban Planning	85
Master of Science Degree in Historic Preservation	89
Master of Science Degree in Real Estate Development	96
Dual Degree Programs	102
Introduction to Architecture: The Summer Studio Program At Columbia	171
The Shape of Two Cities: New York/Paris (Special Undergraduate Program)	172
AT THE SCHOOL	
Admissions Procedures And Requirements	113
Tuition And Fees	117
Financial Aid	120
Student Employment	121
Student Awards	125
Housing	132
Insurance And Health Services	134
General Registration Procedures	137
Studio Procedures	143
Official Regulations	147
Disability Services	151
Career Services	159
FACULTY OF ARCHITECTURE, PLANNING, AND PRESERVATION	166
ADMINISTRATIVE OFFICERS AND STAFF	186

LETTER FROM THE DEAN

We live in a time of great uncertainty and change. Meeting its unprecedented challenges will be a urgent imperative for architecture in the coming years—but this moment might also inspire us to recognize and fulfill new potentials for a more equitable, sustainable, and creative world.

As global urbanization invites us to think relationally across cultures and contexts, climate change urges us to re-imagine how we live, move, and share. New types of housing, new forms of infrastructure, new possibilities for urban ecology, and new preservation technologies can all converge to foster more just societies. This work also moves freely between the virtual and the physical. Visualizing data is fundamental to re-presenting what we know—and how we know it—while rendering the future more tangible and participatory. A culture of making, meanwhile, is enabling new forms of collectivity and collaboration towards new experiences and material realities.

At the heart of many of today's challenges and opportunities are the disciplines and practices of the built environment—all of which are represented at Columbia GSAPP, and which together are moving the field in new directions. Fueled by the density and diversity of its encounters and perspectives, and combining creative experimentation and unbridled imagination with disciplinary practice and incisive critical thinking, the school has built its long legacy of excellence as an urban condenser of ideas.

In this time that demands new concepts around which to assemble and empower the next generation of architects, planners, urban designers, and real estate developers, Columbia GSAPP represents a unique environment that fosters the design of new modes of living and sharing, creates new forms of knowledge and practice, and renews our commitment to engagement with the world and the urgent issues of our time.

At GSAPP, we are inspired to nurture the bold creative thinkers, original designers and engaged idea makers of the next generation.

Amale Andraos
Dean, GSAPP

HISTORY

SCHOOL OF ARCHITECTURE

One of the first architecture schools in America, Columbia was established in 1881 by William R. Ware. A former student of Richard Morris Hunt (the first American to attend the École des Beaux-Arts in Paris), Ware approached architectural education from a humanistic rather than a technical point of view. His appointment capped a distinguished career as a practicing architect, scholar, and teacher; it established the precedent, followed almost exclusively since then at Columbia, of entrusting the School's direction to architects with sustained professional experience.

In its early years, Columbia's was the leading preparatory program for would-be architects intent on studying at the École des Beaux-Arts in Paris. But by 1902 it had matured into a full-scale School of Architecture. Ware retired in 1903, to be succeeded by A. D. F. Hamlin. Hamlin stepped down from the position in 1912, when, with an enrollment of 140, the School moved into its new quarters, Avery Hall, designed by McKim, Mead, and White. Hamlin was succeeded by Austin Willard Lord (1912–1915) and William Harry Carpenter (1915–1919).

In 1931, William A. Boring, who had been the School's director since 1919, became the first dean of what was then called the Faculty of Architecture. Under Boring and especially under his successor Joseph Hudnut, who took over in 1933, the curriculum was broadened dramatically. While the pre–World War I era had been dominated by the academic classicism of Ware, Hamlin, and such leading professionals as Charles Follen McKim, Thomas Hastings, and Henry Hornbostel, all of whom taught at the school, Boring and especially Hudnut encouraged the then nascent modernism and incorporated studies in town planning. Important studio critics, including the urbanistically inclined skyscraper architects Harvey Wiley Corbett and Wallace K. Harrison, joined the English town planner Raymond Unwin and the architectural historian Talbot Hamlin to create an environment in tune with the dramatic social and economic changes of the interwar years.

With Hudnut's departure for Harvard in 1935, the School, under the new dean, Leopold Arnaud, entered into a gradual decline that only began to reverse itself in the late 1950s when provocative studio critics Percival Goodman and Alexander Kouzmanoff, as well as the historian James Marston Fitch, gave the program new energy. Fitch's courses in architectural history blossomed into a program in historic preservation, established in 1966 as the first at an American university. Despite the vagaries of the postwar curriculum and an ambiguous commitment to graduate-level architectural education, the School continually benefited from New York City's prominence as a world capital and attracted many foreign students, some of whom would grow to professional prominence, including Romaldo Giurgola and Michael McKinnell.

After the short and vital but stormy tenure of Charles Colbert (1960–1963), Kenneth A.

Smith, an engineer, was appointed dean, and in 1965 the School was organized along divisional lines, with planning and architecture each having its own chairperson. Charles Abrams was the first planning chair and Romaldo Giurgola, the first for architecture. Abrams, with his wide experience in New York real estate and social planning, and his deep humanity, forged a program that balanced statistical analysis with compassion and earthy pragmatism. Giurgola built upon the design strengths of Kouzmanoff and Goodman, bringing into the studios as first-time teachers such bright young architects as Gio Pasanella, Jacqueline Robertson, Robert Kliment, and Ada Karmi Melamede. The School's students played a central role in the protests that engulfed the University in the spring of 1968. While the tumultuous campuswide demonstrations of that watershed year were triggered by a concern for America's role in international affairs, the architecture students played a particularly strong role in focusing the debate on the University's relationship to its neighbors in the Morningside Heights and Harlem communities. In addition, the students challenged the University's lackluster building program, protesting the construction of Uris Hall and the proposed gymnasium for Morningside Park.

James Stewart Polshek became dean in 1972. With strong professional connections with designer-architects, preservationists, and planners, Polshek tapped the School's inherent strengths and refined the graduate program while healing the wounds left over from the previous decade. He reshaped the design faculty and enriched the School's offerings in architectural history and theory, which were under the leadership of Kenneth Frampton, who also came to Columbia in 1972. As important, Polshek extended the School's reach both within and beyond the University, establishing a strong program of public lectures featuring leading architects, planners, and politicians; creating special programs for undergraduates in Columbia and Barnard Colleges; and helping establish the Temple Hoyne Buell Center for the Study of American Architecture in 1983. Under Polshek and his faculty, including especially Frampton, Giurgola, and Robert A. M. Stern, Columbia became an important focal point in the postmodernist debate.

Bernard Tschumi became dean in 1988, and the School's architecture programs, reflecting changing concerns in design, became more theoretical as they began to take on a more international flavor, capitalizing as never before on New York's status as a world city. To stimulate a sense of invention at the School and to use it as a laboratory for ideas, Tschumi gave junior faculty the freedom to be creative, expanding their research in the context of their studios. Sensing the role that computers would play in architectural design today, he fostered one of architecture's most significant forays into the digital age. During his time as dean, Tschumi tenured faculty in architectural theory as well as practice, including Stan Allen, Steven Holl, Laurie Hawkinson, and Mark Wigley, with Frank Gehry as Distinguished Professor. Under Tschumi, the School also developed a highly successful post-professional program, the degree in Advanced Architectural Design, as well as a Ph.D. in architecture.

Mark Wigley became dean in 2004 after a year as interim dean, and the School began to expand the experimental culture established by Bernard Tschumi. The collaborative

links between all the programs and between the School and the wider University and professional community were intensified. New forms of aesthetic, technical, philosophical, and ethical engagement were cultivated. Research and publication grew into a major part of the School with the establishment of a whole new set of active research labs.

In September 2014, Amale Andraos became dean of GSAPP. With a revived curriculum and faculty, the School continues to foster a dynamic evolution of architectural artistry, intelligence, and technical expertise in partnership with its students.

FACILITIES

A GLOBAL NETWORK

The School is located in its own building, Avery Hall; in the adjacent building, Fayerweather Hall; in the Avery Extension, which connects the two; and in Buell Hall, directly south of Avery Hall. This complex houses design studios, classrooms, computer studios and computer labs, lounges, exhibition galleries, a carpentry workshop, audiovisual facilities, a slide library, a photography darkroom, a three-hundred-seat auditorium, and a seventy-seat lecture hall.

AVERY LIBRARY

The resources of the world's leading architecture library, the Avery Architectural and Fine Arts Library, are located in Avery Hall and the Avery Extension; they are available to the students of the School. Founded by Samuel Putnam Avery in 1890 as a research collection of books on architecture and the related fields, it has since grown into what can be called the national library of the profession. It is ranked by scholars from all over the world as the outstanding international research center on the history of architecture. Its holdings consist of more than 240,000 books and periodicals on architecture, urban planning, art history, historic preservation, archaeology, the decorative arts, and a broad variety of related background material. The contents range from the first published book on architecture, L. B. Alberti's *De Re Aedificatoria* (1485), to a comprehensive collection of books on contemporary architectural movements. In addition, the library has more than 300,000 original architectural drawings, collections of prints, and rare photographic material and archives. Avery Library also houses the Avery Index to Architectural Periodicals, the most comprehensive periodical index in the field. It is now available online as well as in print form.

The Ware Memorial Library is designed as a circulating branch of the library for everyday use by the students. It contains more than eight thousand books on architecture and planning from the United States and Europe and is located in the Avery Library.

MAKING AT GSAPP

Director: Joshua Jordan
Columbia University GSAPP
1172 Amsterdam Avenue, 400 Avery Hall
New York, New York 10027
U.S.A.

GSAPP has long stood at the forefront of changes in design technologies and contemporary culture. Today, computer-generated designs and models are giving way to a

mode of working that blends the digital with more material and representational practices. A culture of making—whether a drawing, a book, a physical model, or a set of tools—is imperative to individual expression and creativity as well as to critical thinking and assembling.

The newly remodeled fabrication shops at GSAPP, known collectively as the Making Studio, combine a range of workshops and project spaces for fabrication, 3D printing, robotics and multi-modal making, rapid prototyping, digital cutting and tooling, alongside a space for large-scale mockups and experimentation. Cross-program workshops and 24-hour access enable students to explore, stage, tinker, reuse, and adapt.

The Making Studio provides material, technical, and design support for all modeling, building, and making endeavors of GSAPP students. Its mission is to provide a continuum of support for physical experimentation and production, from heavy duty sheet goods to precision work on fine models.

GSAPP INCUBATOR

Director: David Benjamin
Manager: Agustin Schang
NEW INC
231 Bowery
New York, New York 10013
U.S.A.

The GSAPP Incubator is a launch pad for new ideas and projects about architecture, culture, and the city. Drawing on Columbia GSAPP guest lecturers, discourse, and studio culture, the Incubator hosts and encourages a wide range of experiments initiated by recent Columbia GSAPP graduates. Targeted projects combine action with discussion at the levels of the university, the city, and local ways of life.

The GSAPP Incubator offers a platform for entrepreneurship and expanded modes of practice. Yet it is distinct from other incubators and co-working spaces in several ways. The Incubator includes the humanities as well as the sciences. It involves critique and discourse as well as action and technology. It generates deep thinking as well as concise elevator pitches. And it uses measures of success beyond profit and growth.

The Incubator is anchored by alumni members and projects, and it is part of a broader ecosystem of Columbia GSAPP research and production. The Incubator is directed by Assistant Professor David Benjamin ('05 M.Arch) and located at 231 Bowery, as part of NEW INC, the world's first museum-led incubator created by the New Museum.

STUDIO - X GLOBAL

Global Network Programming

Director: Malwina Lys-Dobradin

Columbia University GSAPP

1172 Amsterdam Avenue, 400 Avery Hall

New York, New York 10027

U.S.A.

In recent years, GSAPP has used the label "Studio-X" to refer to its most advanced laboratories for exploring the future of cities. The label conveys the sense that a whole new platform for research and debate is needed to face the array of urgent questions that will face the next generation of designers.

Each Studio-X is organized around the traditional setting of the design studio found in architecture schools all over the world: a simple open loft-like space that fosters collaborative exploration, an empty room that welcomes new people and new ideas. Each Studio-X is a cultural center that supports close personal interactions between people that might not normally come together. At the same time, the space is equipped with the latest technology to take advantage of Columbia's expertise in digital design and data visualization to draw on the widest array of global resources and communicate ideas to the widest possible audience. The local director of each Studio-X acts as the curator of a continuous array of projects, workshops, lectures, seminars, symposia, exhibitions, and performances helping to tie the daily operations of the space to the surrounding city. In key moments, all the Studio-X spaces are linked in single real-time global workshops allowing unprecedented bursts of creativity.

STUDIO - X AMMAN

Curator: Nora Akawi

5 Moh'd Al Sa'd Al-Batayneh Street, King Hussein Park

P. O. Box 144706

Amman, Jordan 11814

Studio-X Amman is a regional platform for experimental design and research run by Columbia GSAPP and the Columbia Global Centers | Amman. Through workshops, lectures, screenings, and field visits, Studio-X Amman brings together Columbia GSAPP students and faculty with practitioners, researchers, and students from the Arab World to critically reflect on the role of architecture education and practice in times of mass displacement, dispossession, and destruction, and in the construction of alternative collective imaginaries for our cities. The projects and research developed at Studio-X Amman are located at the intersections between architectural design, history and theory, planning, preservation, and urban design with curatorial practices, art, and education.

Ongoing projects at Studio-X Amman include:

Reading the Janet Abu-Lughod Library: A series of seminars and talks based on the Janet Abu-Lughod Library, generously donated to Studio-X Amman by Professor Lila Abu-Lughod and her family. This project is developed in partnership with Sijal Institute for Arabic Language and Culture.

Mapping Borderlands: Workshops and an ongoing traveling seminar course on borderlands, migration, citizenship and human rights co-taught by Nora Akawi and Nina V. Kolowratnik at Columbia GSAPP since 2014.

Cinema and the Memory of Cities: Screenings and discussions between filmmakers, urbanists, architects and artists on cities, counter-narratives, and subjectivity. The program, held in Amman, Johannesburg, Tunis, and New York is curated by Rasha Salti with Nora Akawi and Mpho Matsipa.

Frozen Imaginaries: Through workshops, design charrettes, and talks, this project investigates frozen construction sites in Amman in relation to masterplans developed for the city, and the economic and political context in the region during the late 20th century. This multimedia project is developed by Jawad Dukhgan with Antonio Ottomanelli.

STUDIO - X BEIJING

No. 26, 1 F, Core Plaza
No. 1 Shanyuan Street
Zhongguancun, Haidian District
Beijing, China, 100080

Studio-X Beijing is an active research platform dedicated to the exchange of ideas and experimental thinking about the future of cities. Its scope extends regionally to include Hong Kong, Shenzhen, Shanghai, and other cities throughout China and East Asia. It continues to expand its network of collaborators by joining forces with other international institutions and schools of architecture and by engaging Columbia University's broad network of alumni.

STUDIO - X ISTANBUL

Director: Selva Gurdogan
Meclis-i Mebusan Caddesi 35A
34433 Salipazari Istanbul
Turkey

As the Istanbul space of a global university, Studio-X's preoccupation is to express the content of the university while also absorbing the information outside and blur the boundary in-between as much as possible. This is a living space: it exists to generate ideas, discuss, and even make mistakes. Studio-X Istanbul strives to host the flourishing of good ideas around urban issues and the development of pioneer thinkers. To this end, Studio-X creates a new platform to enable information and knowledge

exchange among experts, universities, civil society organizations and local governance; supports everyone who would like to do something on urban issues. Studio-X works in coordination with Columbia Global Centers | Turkey.

The Studio-X Istanbul Research Guide, permanently under construction, is intended to be a tool for unpacking the city, the possibilities and conflicts associated to its development, and to walk through its physical, virtual and imagined spaces.

STUDIO - X JOHANNESBURG

Director: Mpho Matsipa
Fox Street Studios second floor
280 Fox Street (Corner Fox/Kruger),
The Maboneng Precinct Johannesburg
South Africa

Studio-X Johannesburg further deepens Columbia University's longstanding relationship with South Africa and fosters new collaborations with partners from across the African continent. It is a creative research platform that explores alternative imaginaries of the city, with a particular focus on the future of global connection, individual and collective acts of agency and productive collaboration. In the face of the official narratives of apocalyptic urbanization and global crisis, Studio-X Johannesburg cultivates encounters among researchers, urbanists, theorists, filmmakers, artists, activists, architects and policy makers, to explore and give expression to the creative and emergent urban visions and practices of the future.

STUDIO - X MUMBAI

Kitab Mahal
192, D N Road
Fort Mumbai 400 001

Studio-X Mumbai opened its doors to the public in February 2011 with Architecture of Consequence, an international traveling exhibition about the role of architecture in social innovation and sustainability. The space has quickly become a major hub of vibrant debate. Located in historic downtown Mumbai, Studio-X Mumbai explores the built environment by hosting a variety of events that address issues such as contemporary architectural practice, sociology, public art, and the impact of technology on the city.

STUDIO - X RIO DE JANEIRO

Director: Pedro Rivera
Parca Tiradentes, 48
Rio de Janeiro - RJ, 20060-70
Brazil

Since March 2011, Studio-X Rio occupies a three-storey building at Praça Tiradentes, a square in Rio de Janeiro's downtown area. The space brings together professionals, academics, decision makers, students, and the general public to confront our most pressing urban challenges. It is particularly interested in how cross-cultural, cross-disciplinary, and cross-continental exchanges can affect and inform each other when facing the ongoing urban transformations of the city, the country and Latin America. The Studio-X Rio Research Guide is a point of departure for the exploration of Rio through multiple media, narratives and contemporary debates.

THE TEMPLE HOYNE BUELL CENTER FOR THE STUDY OF AMERICAN ARCHITECTURE

Director: Reinhold Martin

Assistant Director: Jacob Moore

Program Manager: Jordan Steingard

Columbia University's Temple Hoyne Buell Center for the Study of American Architecture was founded in 1982. Its mission is to advance the interdisciplinary study of American architecture, urbanism, and landscape. A separately endowed entity within the Graduate School of Architecture, Planning, and Preservation, it sponsors research projects, workshops, public programs, publications, and awards.

In recent years, the Center has convened issue-oriented conversations around matters of public concern, such as housing, that are addressed to overlapping constituencies including academics, students, professionals, and members of the general public. The Buell Center's research and programming articulate facts and frameworks that modify key assumptions governing the architectural public sphere—that is, the arena in which informed public analysis and debate about architecture and urbanism takes place.

Buell Center projects utilize a variety of formats, such as specialized academic conferences, small meetings, larger public events, and publications, depending on the issues and audience at hand. In all cases, they offer a context for the study of American architecture that brings underlying issues to light and enables architecture's various interconnected publics to gain a greater understanding of its cultural significance.

CENTER FOR URBAN REAL ESTATE (C.U.R.E.)

Director: Patrice Derrington

Columbia University's Center for Urban Real Estate was founded in 2011 in order to address the challenges of a rapidly urbanizing world and the most complex problems of the real estate industry. From the concerns of inequitable socio-economic outcomes in the urban environment, through the spectacular revitalization of urban centers, such as Lower Manhattan, after the devastation of terrorism, natural disaster, and deteriorating infrastructure, to creating technological systems for optimized investment

decisions, the Center serves as a forum for robust discussions and rigorous analysis by real estate professionals and scholars.

CENTER FOR RESILIENT CITIES AND LANDSCAPES

Director: Kate Orff

Managing Director: Thaddeus Pawlowski

The Center for Resilient Cities and Landscapes (CRCL) uses planning and design to help communities and ecosystems adapt to the pressures of urbanization, inequality, and climate uncertainty. CRCL works with public, nonprofit, and academic partners to deliver practical and forward-thinking technical assistance that advances project implementation through interdisciplinary research, visualization of risk, project design scenarios, and facilitated convenings. CRCL integrates resilience thinking into design education and academic programming, bringing real-world challenges into the classroom to train future design leaders.

Established in 2018 at Columbia University's Graduate School for Architecture, Planning and Preservation (GSAPP), CRCL extends Columbia's leadership in climate-related work and supports the interdisciplinary collaborations and external partnerships needed to engage the most serious and challenging issues of our time. CRCL is allied with the Earth Institute's Climate Adaptation Initiative and works across disciplines at Columbia by bridging design with science and policy to improve the adaptive capacity of people and places.

CENTER FOR SPATIAL RESEARCH

Director: Laura Kurgan

Assistant Director: Dare Brawley

The Center for Spatial Research was established in 2015 as a hub for urban research that links design, architecture, urbanism, the humanities and data science. It sponsors research and curricular activities built around new technologies of mapping, data visualization and data collection and data analysis. CSR focuses on data literacy as well as interrogating the world of 'big data,' working to open up new areas of research and inquiry with advanced design tools to help scholars, students as well as our collaborators and audiences, to understand cities worldwide – past present and future.

Our projects generally involve collaborations with researchers and advocates across a variety of disciplines and institutions, working with them to communicate information clearly, critically, responsibly, and provocatively. We are committed to rigorous and reliable work with data; to harnessing the most powerful techniques of design and visualization; and to a critical reflection on the limits and ideologies of both data and its representation. Based in the disciplines of design, architecture and urbanism we make links and bring spatial expertise to humanities as well as the sciences.

ARTHUR ROSS ARCHITECTURE GALLERY

Director of Exhibitions: Irene Sunwoo
Buell Hall
1172 Amsterdam Avenue
New York, New York 10027

Founded in 1990, the Arthur Ross Architecture Gallery presents exhibitions that explore emerging architectural practices, research, and ideas.

Through collaborations with architects and artists, historical research, and programming, the gallery produces and supports exhibitions that participate in and provoke timely discussions about new directions in architectural culture and discourse

RESEARCH LABORATORIES

A new set of research laboratories has been established at the school to focus resources, creativity, and precision on key issues facing the next generations of experts devoted to the built environment. While new forms of expertise are constantly being developed within the individual programs at the school, these new labs gather some of these emergent trajectories together and focus them on a series of applied research experiments. Each lab constitutes a mini-think tank that takes on a limited set of collaborative partnerships. Some of the labs will themselves collaborate when their particular joint expertise is needed. The work of the labs is integrated into the teaching programs within the school. Existing courses, particularly studios and research seminars, will often act as the site for key parts of the experiments, with research assistants drawn from the master's and Ph.D. programs. The labs also organize events (lectures, workshops, or symposia), and produce publications. Considerable emphasis is placed on the research findings but also on the ongoing debates addressed by the research and the new forms of research these debates will provoke.

PRESERVATION TECHNOLOGY LABORATORY

The Preservation Technology Laboratory enables cutting-edge research in preservation digital technology, materials science, and aesthetics. The lab re-opened in 2019 in a fully renovated facility and is equipped with expanded digital technology capacities, new scanning equipment (a Lucida Sub-Millimetric Scanner and drone, for example), advanced data processing hardware and software (photogrammetry), and non-destructive probing equipment (thermal cameras, humidity sensors, crack monitoring). The Preservation Technology Lab is intended to support studios and will be at the center of new courses, such as Traditional Building Technology, Modern Building Technology, and Investigative Techniques for Laboratory and Field. The lab will promote research into unique applications that combine materials science and digital technologies, with particular emphasis on replication and adaptive reuse, as well as the aesthetic implications of these technologies. It is currently and actively seeking partnerships with

stewards of historic buildings to test and develop these applications in the field.

EXTRACTION LAB

Director: Christoph Kumpusch

The Extraction Laboratory is where architects go to remember whatever the hell is relevant, research-driven and worthy of dissemination on new platforms. Informational outreach, ideas exposition, technique prototyping... these cannot be left to external agents, they must be embedded as constituent parts of a new architectural practice. The laboratory is not so interested in the latest technological hype, but on using the latest technology in an off-label way to foster architectural understanding both inside and outside the discipline.

The laboratory produces arresting short films, documentary loops, architectural earworms, e-books, ibooklets, VR-pamphlets; all in collaboration generating sticky—intensely memorable, magnetic, even addictive—architectural information. Virtual realities and physical —analogues are parallel agents used to inspire, irritate and ignite new dialogues and modes of creation.

The laboratory reboots and redefines research trajectories. It rekindles passions and showcases the superlative. It operates at both ends of the psychometric response scale— in spatial rather than linear ways— as event structures. It's a satellite spinning out and broadcasting diverse projects in vibrant and visual ways.

DEATH LAB

Director: Karla Rothstein

Based at Columbia University GSAPP, the DeathLab is a trans-disciplinary research and design space focused on reconceiving how we live with death in the metropolis.

DeathLab makes it possible for dynamic minds to come together to engage the complex challenges of our individual and collective mortality.

We are changing how people think about death.

At the core of DeathLab is a team of leading researchers, scholars, experts, and designers from fields that enable us to engage both intimate and infrastructural urban concerns.

Our ambition is to develop design strategies that can be prototyped, built, and experienced by the public. We are dedicated to plausible possibility.

GLOBAL AFRICA LAB

Directors: Mario Gooden & Mabel Wilson

Through design methods and research aided by new technologies and media, Global Africa Lab (GAL) explores the spatial topologies of the African continent and its diaspora. GAL's innovative research and pedagogical agenda examines how the unique political histories and the contemporary forces of globalization shape the architecture, urbanism, culture and ecologies of these places.

POST CONFLICT CITIES LAB

Director: Hiba Bou Akar

The Post Conflict Cities Lab is an interdisciplinary research lab based at the Graduate School of Architecture Planning and Preservation (GSAPP) at Columbia University. The core mission of the Post Conflict Cities Lab is to develop, through research, practice, and pedagogy, alternatives to current post-conflict planning and reconstruction projects. As cities are increasingly becoming the main stages to acts of tension, violence, and conflict, there is critical demand for researchers and practitioners to respond to the challenges of rebuilding post-conflict cities. However, post-conflict planning and reconstruction projects have often increased exclusion of vulnerable populations and hardened religious, racial, and ethnic segregation, causing new rounds of violence, sometimes even sowing the seeds for future conflict. Underpinning this paradox is a lack of understanding of how urban planning processes and practices can produce inclusive geographies in diverse post-conflict contexts. Through examining the implications of post-conflict planning interventions in cities globally, the Post Conflict Cities Lab's work aims to develop methodological, empirical, and theoretical approaches to planning in contested spaces.

To that end, the Post Conflict Cities Lab strives for collaborations between research and practice to foster inclusive urbanization in post-conflict cities. It endeavors to build bridges and exchanges with local communities and urban practitioners as key participants in advocating for and shaping inclusive post-war reconstruction planning practices and policies.

Graduate students working on urban conflict at GSAPP and within the University are invited to be Lab members. Individuals and groups who wish to become involved with the Lab's work can contact the Lab to participate.

URBAN COMMUNITY AND HEALTH EQUITY LAB

Director: Malo Hutson

The Urban Community and Health Equity Lab is based in the Graduate School of Architecture, Planning, and Preservation (GSAPP) at Columbia University. The mission of the Urban Community and Health Equity Lab is to conduct interdisciplinary research to transform institutions, policies, and practices that cause health inequities, both domestically and internationally. Specifically, its research uses a social justice framework,

and is at the intersection of architecture, law, public health, public policy, and urban planning.

The issues that we research broadly include a better understanding of how the built and natural environment, economy, and law and governance ameliorate or exacerbate health inequities. Through a series of real projects and engagements with communities in the United States as well as around the world, the Urban Community and Health Equity Lab is charged with identifying health-related risk factors in the urban built environment, proposing a wide-range of planning policies, strategies, and practices that influence institutional change and strengthen democratic processes which lead towards more sustainable and equitable regions.

Some of the areas our work touches upon, include the following:

- Climate change, resiliency, and adaptation .
- Environmental degradation
- Food access and education
- Housing
- Income inequality
- Mass incarceration
- Segregation (income, gender, race)

URBAN DESIGN LAB

Director: Richard Plunz

The Earth Institute Urban Design Lab (UDL) works to find innovative solutions to the sustainable development issues confronting cities. The UDL conducts multidisciplinary applied design research in collaboration with community-based organizations and other public and private interests. The UDL's team works closely with outside experts in architecture, ecology, economics, environmental science, public health, urban design and urban planning.

We examine the implications for big data, mass adoption and exponential growth for the ways we construct the physical and mental environment. We create and promote applications for design engineering. We promote new methods of interaction and expression within our environment.

WASTE INITIATIVE

Director: Tei Carpenter

The Waste Initiative is an applied research platform that aims to explore the possibilities—both real and speculative—of the role of waste in relationship to architecture and the city. At once ubiquitous and forgotten, waste is a growing and pressing area of inquiry that extends across scales and disciplinary expertise. Within the context of Columbia GSAPP, the platform will investigate three independent yet overlapping

thematics dealing with waste and disposability: infrastructure, aesthetics, and materiality. The work of the Waste Initiative operates in a range of formats including design studios, seminars, summer workshops, and continuous long-term projects concerned with material investigations and public design speculations.

HUDSON VALLEY INITIATIVE

Director: Kaja Küh1

The Hudson Valley Initiative (HVI) facilitates applied research into the complex spatial, ecological, and economic opportunities of this vast region. Extending several hundred miles north from Manhattan Island, touching five states, the region includes nine counties, 13 cities and over 200 villages and towns, and its watershed covers over 13,000 square miles. The status and future of this area deeply affects the lives of millions, from New York City to a broad swath of the American northeast. By serving as the GSAPP clearinghouse for urban design, architecture, landscape, preservation, and planning work, the HVI enables substantive contributions to the long term health and viability of the region.

EMBODIED ENERGY

Director: David Benjamin

The Embodied Energy Project—led by Columbia GSAPP and Oldcastle BuildingEnvelope®, and operating out of the GSAPP Incubator at NEW INC—aims to uncover key questions, issues, and opportunities for architectural design in the context of embodied energy.

Awareness of embodied energy within the architecture, engineering, and construction industry is increasing, but the term is often not completely understood. In addition, levels of embodied energy are often difficult to calculate based on lack of comprehensive data and on a few different definitions of what is included in the calculation. This project outlines some of the details involved in defining embodied energy.

COLLECTING ARCHITECTURE TERRITORIES

Director: Mark Wasiuta

Collecting Architecture Territories samples and presents the research of twin studio and seminar courses held at Columbia University's Graduate School of Architecture Planning and Preservation (GSAPP) that have emerged from an art-architecture, cultural-academic collaboration between the DESTE Foundation for Contemporary Art and GSAPP. The studio and seminar reflect on the relationship between architecture and collecting, considering architecture both as an agent that organizes, supports, and informs various contemporary collecting practices, and as an object of collection in its own right. In tandem with DESTE and GSAPP a team of graduate students in the Department of Architecture at the University of Thessaly have been invited to exhibit their own research developed in parallel to the project's theme.

RESOURCES

For more than two decades, the school has embarked on an ambitious campaign to incorporate state-of-the-art digital technologies in the design curriculum. Since the introduction of the first "paperless" design studios on the seventh floor of Avery in the mid-nineties, there has been substantial annual investment and dramatic improvements in the facilities and electronic infrastructure for research, teaching, presentation, computer-aided design, and general computing at the GSAPP. Meanwhile, the general computing resources provided by the University have been upgraded as well and include a variety of online services as well as a campus-wide wireless network.

The GSAPP's groundbreaking "paperless" studio model has evolved as new digital-design environments have been installed, evaluated, and modified in 500, 600 and 700 Avery. Since Fall 2002, all students in Avery have immediate access to high-end computing at their individual desks, which also provide space for drafting and model making. There are also computer lab areas within the Historic Preservation and Urban Planning studios as well as a computer classroom in Fayerweather.

A centralized technical and administrative structure has been set up to allow the School to provide a higher level of technical support, standardization of computer hardware and software, and more generous computing resources for all GSAPP students. The result is a very wide selection of professional software packages ranging from CAD and GIS to multimedia and video editing, all available at all times from any one of well over 300 workstations in the School, plus vast central data-storage capacity that is measured in terabytes.

The School's Audio/Visual Department lends digital projectors, digital-still and video cameras, and laptop computers for student reviews, classes, and special events. The AV team also maintains a growing number of "electronic theater" and digital classroom spaces that are network connected and equipped with PCs and ceiling-mounted projectors. The School has a Digital Output Facility on the 600 Avery level with a variety of large-format color plotters, color laser printers, and 3D output devices.

The Visual Studies Sequence has grown to over thirty specialized seminars besides the basic Architecture, Drawing, and Representation I course that is required for Master of Architecture students. These seminar topics range from Computer Numerically Controlled (CNC) milling to multimedia authoring, from Algorithmic architecture and Scripting (programming) to Digital filmmaking (video production and post-production). The School has expanded its geographic information systems (GIS) initiative with dedicated staff, additional equipment, new GIS seminars, and the acquisition of new

GIS software and demographic data sets that are available for analysis by Architecture, Planning and Urban Design students.

The School's Web archive and online publishing initiative has been accelerated with the creation of the director of electronic publishing position and the expansion of Web-server resources. This has made possible the on-line Newsline review as well as larger Web space allocations for all students, studios, courses, seminars, and special projects.

PUBLICATIONS

Director: James Graham

The School maintains a series of publications to foster the exchange of information and ideas between it and the architecture, planning, preservation, and real estate development communities. Newsline is an on-line publication that contains information and essays regarding the School's programs, faculty, and alumni as well as calendars and reviews of New York area events. It acts as a platform for current debates in architecture and urban issues. It is available at <HTTP://NEWSLINE.ARCH.COLUMBIA.EDU/>. Abstract is the yearly journal that documents the School's programs and student work and offers students the opportunity to have their work published for wide distribution. Abstract is distributed to students and is available for purchase in bookstores. D (Documents) is a documentation of events, lectures, and symposia at the School. It is published twice a year. Studio Work covers work and research produced in selected studios in the School. In addition, the School publishes catalogs of exhibitions it organizes as well as a series of books titled Columbia Books of Architecture (CBA), covering a variety of issues of the built environment, theory, and history.

EVENTS AND PUBLIC PROGRAMS

Co-Directors: Paul Amitai & Lyla Catellier

The School offers an array of lectures, conferences, debates and events that reflect the diversity and interests of its programs. The Wednesday Evening Lecture Series brings internationally prominent practitioners, historians, and theorists to speak on issues of architecture, planning, development, and urbanism. In addition, the Architecture, Planning, Preservation, and Real Estate Programs maintain their own special lecture series that are open to the school community.

In addition, the School and its programs sponsor special symposia, debates and conferences that draw together faculty, prominent guests, and students to discuss issues of timely and historical importance.

EXHIBITIONS

Director: Irene Sunwoo

The core of the GSAPP Exhibitions program is the Arthur Ross Architecture Gallery. The gallery is simultaneously a testing ground for exploring new approaches to archi-

tectural exhibitions, and a reflexive space for considering and analyzing architecture as it has been formed through exhibition. Different strains of exhibition experiments appear in the gallery, sometimes through the coordination and exposure of archival, historical or thematic architectural research projects, or through installation and curatorial strategies themselves. One of the more porous spaces within the school, an organism within an ecology of disciplinary exchanges, the gallery is a site for staging exhibitions that leave the school to travel to other institutions and to museums elsewhere, and is also an aperture through which projects with contemporary artists, filmmakers, scholars and curators infiltrate the school as provocation to its conventions, practices and pedagogies.

NEW YORK CITY

The City of New York is in itself a principal resource for the student, who benefits from its urbanism and endless variety of excellent examples of historic and modern buildings.

New York's institutions are another significant advantage. Alumni and faculty members of the School are in positions of major responsibility in various organizations. This has helped the School to open up unique opportunities for students. A partial list of these organizations includes the Museum of Modern Art (Department of Architecture and Design), the Metropolitan Museum of Art, the Cooper-Hewitt Museum, the South Street Seaport Museum, the Architectural League of New York, the Institute for Fine Arts (New York University), the New York City Planning Commission, the New York City Landmarks Preservation Commission, the Parks Council, and the Municipal Art Society.

WILLIAM F. KINNE FELLOWS TRAVELING FELLOWSHIPS

The School is the beneficiary of a considerable bequest in honor of William F. Kinne Fellows that has as its purpose the enrichment of the student's education through travel. A number of fellowships for the study of architecture and related fields are awarded annually to graduating students. Applications from members of the graduating class are considered for postgraduate travel and for travel during the summer preceding the final year of study. Specific requirements and guidelines are announced during the academic year. Students apply in the spring term of each year.

THE PAUL MILSTEIN PROFESSORSHIP OF URBAN DEVELOPMENT

In 1983 Mr. and Mrs. Seymour Milstein endowed the Graduate School of Architecture, Planning and Preservation with a professorship named in honor of their brother Paul Milstein. The Paul Milstein Professorship of Urban Development provides the opportunity to focus in depth on issues of interest by inviting senior professionals or scholars to teach for one or two terms each year in the Master of Science in Real Estate Development Program. It is the intention of the professorship to encourage a deepening interest in the forces that have and will shape urban development in America.

MATHEWS LECTURE SERIES

The Mathews Lectures began in 1935 with an endowment from Charles T. Mathews (Class of 1889). Among the lecturers who have participated in the series are

- Professor Joseph Hudnut (1935)
- Professor Spiro Kostoff (1976)
- Professor Leopold Arnaud (1937)
- Professor Vincent Scully (1977)
- Professor Talbot Hamlin (1939)
- Professor George Collins (1979)
- Professor Meyer Schapiro (1946)
- Professor Neil Levine (1981)
- Professor John Mundy (1965)
- Professor Helen Searing (1983)
- Professor Henry R. Hitchcock (1971)
- Professor Georges Duby (1985)
- Sir Nikolaus Pevsner (1972)
- Professor Stephen Murray (1990)
- Professor Alfred K. Frazer (1974)

PROGRAMS & DEGREES

FIRST PROFESSIONAL DEGREES

- + Master of Architecture
- + Master of Science in Urban Planning
- + Master of Science in Historic Preservation
- + Master of Science in Critical, Curatorial, & Conceptual Practices in Architecture
- + Master of Science in Real Estate Development

POST-PROFESSIONAL DEGREES

- + Master of Science in Advanced Architectural Design
- + Master of Science in Architecture and Urban Design

DOCTORAL DEGREES

- + The Ph.D. in Architecture
- + The Ph.D. in Urban Planning

NON-DEGREE PROGRAMS

- + The Shape of Two Cities: New York/Paris Certificate Program
- + Introduction to Architecture Summer Program

DUAL DEGREES

WITHIN THE GSAPP

- + Master of Architecture & Master of Science in Historic Preservation
- + Master of Architecture & Master of Science in Urban Planning
- + Master of Architecture & Master of Science in Critical, Curatorial & Conceptual Practices in Architecture
- + Master of Science in Urban Planning & Master of Science in Historic Preservation
- + Master of Architecture & Master of Science in Real Estate Development
- + Master of Science in Urban Planning & Master of Science in Real Estate Development
- + Master of Science in Historic Preservation & Master of Science in Real Estate Development

WITH OTHER SCHOOLS AT COLUMBIA

- + Master of Science in Urban Planning & Master of Business Administration (in conjunction with the Columbia Business School)
- + Master of Science in Urban Planning & Master of International Affairs (in conjunction with the School of International and Public Affairs)
- + Master of Science in Urban Planning & Juris Doctor (in conjunction with the School of Law)
- + Master of Science in Urban Planning & Master of Public Health (in conjunction with the Mailman School of Public Health)
- + Master of Science in Urban Planning & Master of Science in Social Work (in conjunction with the School of Social Work)

MASTER OF ARCHITECTURE (M.ARCH)

CORE ARCHITECTURE STUDIOS DIRECTOR:	CHRISTOPH KUMPUSCH
ADVANCED ARCHITECTURE STUDIOS DIRECTOR:	JUAN HERREROS
VISUAL STUDIES DIRECTOR:	LAURA KURGAN
HISTORY AND THEORY DIRECTOR:	REINHOLD MARTIN

THE PROGRAM

The Master of Architecture is a three-year professional degree, which weaves together the highest level of disciplinary expertise with the critical and technical skills necessary to recast the boundaries of the discipline, building on a long legacy of groundbreaking innovation in the fields of architecture and design.

At Columbia GSAPP, architecture is understood as a form of knowledge situated within a broader context of environmental and global engagement, building on strong historical and theoretical foundations, which are always actively reframing our contemporary cultural condition.

By bringing together a progressive approach to architectural education—where pedagogy is simultaneously rigorously structured with definable objectives and constantly re-examined to respond to ever-changing contexts—the Master of Architecture program creates a sense of openness, inquisitiveness and intellectual generosity that enables individual development and collaborative thinking.

Being part of an elite research university located in a major global city has determined much of what is unique about the architecture program, which means that at Columbia GSAPP, architecture is always understood in relation to its urban and environmental context. In addition to its excellent full time faculty, at once deeply embedded in city and campus life, Columbia GSAPP is also able to draw upon the large and diverse community of architects, theorists, practitioners, and scholars in New York as well as from around the world. Thus the program exposes students to architecture as a complex, and diverse cultural endeavor.

As it seeks to impart basic principles and knowledge, to develop visual and analytical skills, and to relate creativity to given cultural situations, the school offers student-architects the means to use their knowledge and insight to better respond to and improve the built environment, while always contributing to expanding the field of architecture and design in meaningful ways.

ADMISSIONS

Eligibility

The M.Arch. at Columbia is the first professional degree in architecture; therefore, students who already hold a professional degree (such as the five-year B.Arch. degree) are not eligible to apply to the program. Students who have studied architecture in nonprofessional programs (such as a four-year program in architecture) may apply, with the possibility of obtaining advanced standing for some course work. Prior architectural study is not a requirement. Regardless of prior experience, all students fill out the same application forms and send supporting materials (as described below). Applications and all supporting materials are due on December 15th. Students are admitted to the M.Arch. Program for the fall term only.

Academic Preparation

1. All applicants must have an undergraduate degree from an accredited college or university by the time they start the M. ARCH program.
2. All applicants must have fulfilled a minimum of 45 credit hours of general studies in the arts, humanities and/or science at their undergraduate institution.
3. History/Theory Course Sequence: All applicants must have completed a 3-point survey course in architectural history at an accredited college or university dealing with any of the following periods: classical to Renaissance, Renaissance to modern, or modern.
4. Building Technologies Course Sequence: All applicants must have completed a 3-point course in general physics or two 3-point calculus courses at an accredited college or university.
5. Applicants who have no prior background in architecture must complete a course in architectural graphic presentation (this could be one term of architectural studio or a studio in the visual arts such as drawing, painting, or sculpture) as a prerequisite for the Core Studio Sequence, before registering in the M. ARCH Program.

Portfolio

In addition to the application form and supporting documents, applicants must submit a digital portfolio showing evidence of their visual acuity and graphic abilities: paintings, drawings, prints, graphic designs, or architectural drawings. The portfolio should be in a single PDF document, 20 PDF pages or less (including the cover page), and should not exceed 50 MB. It should be optimized for viewing on a standard size computer

screen. Digital portfolios must be uploaded at the time the application is submitted. Portfolios should contain reproductions of original drawings, prints, graphic design, or sculpture.

Placement into Studio Sequence

Students who are admitted into the M.Arch. Program are informed in their letters of admission of the level at which they will enter the Core Studio Sequence. Based on the evidence submitted in the portfolio, the student's status in relation to the prerequisites and requirements of the studio sequence is determined. Placement into a more advanced studio is not done by application or petition, but is determined by a faculty committee during the admissions process. A limited number of students may receive advanced standing points for Architecture A4001 and A4002—Core studio, I and II, thereby reducing the required studio sequence to two years. After the student's status has been determined by the M.Arch. Committee on Admission, it is not subject to further review by the Graduate School of Architecture, Planning, and Preservation. No subsequent petitions for advanced standing in design studio courses are considered. Students who are placed into advanced studios should consult with the admissions office about their curriculum.

Transferring Academic Credit

Students who have completed acceptable architecture course work prior to entering the M.Arch. Program may apply for advanced standing credit or course waivers in nonstudio courses. No requests for advanced standing credit are considered until official copies of relevant transcripts have been submitted to the Office of Architecture Admissions.

There are two situations in which one may receive advanced standing in the M.Arch. Program: (1) a student who is admitted into the second year of the M.Arch. Program may receive advanced standing for the first-year courses including the two design studios (potentially 36 points); (2) a student admitted into the first year with an undergraduate degree in architecture may receive credit for some courses; credit will be evaluated on an individual basis (maximum 9 points).

Information regarding the procedure for students who wish to petition for advanced standing or course waiver is available at the time of first registration in September. Students may receive the approvals from faculty or directors at any time after enrollment. Official transfer of credit by the Columbia University registrar, however, cannot be entered on the transcript until one year of full-time enrollment in the M.Arch. Program has been completed. Advanced standing forms are available in the Office of the Dean of Admissions and should be returned there for review.

Petitions for advanced standing credit in nonstudio courses are normally reviewed

by a faculty member teaching the equivalent course within the Graduate School of Architecture, Planning, and Preservation. Advanced standing credit is awarded only for courses in which students have received a grade of C or better. In some cases, faculty members may ask to see examples of previous course work. Students are advised to have course descriptions and previous course work on hand at September registration to facilitate planning an academic program with an adviser.

Required documentation for advanced placement normally includes official course transcripts, catalog course descriptions, and at least one of the following: a course syllabus, complete course notes, or a complete set of tests, homework, and course-project documentation.

There are three circumstances under which courses can be waived:

- (1) the student presents evidence of professional experience in related subject matter;
- (2) the student passes a formal examination on the subject (with the approval of the course instructor); or
- (3) the student presents evidence of having passed relevant courses at the undergraduate or graduate level. Because waivers do not carry point or course credit, elective courses must be taken to fulfill the point requirements for the M.Arch. degree. (Students waived from AT2, AT3, AT4 or AT5 must take a Building Technologies elective for each course waived.)

M.ARCH. CURRICULUM

The M.Arch curriculum is divided into the study of design, history and theory, technology, visual studies, and professional practice. Learning about architecture involves on the one hand examining the historical, social, cultural, technical, and economic forces that shape buildings, and on the other, mastering these forces with both traditional means as well as cutting edge technologies. The design studio remains the main focus of the curriculum, as it offers the opportunity to integrate and synthesize what is being studied. Around the studio, a variety of conversations are instigated to create a context for students' learning and investigations while also providing an opportunity to further integrate the various sequences of the M. Arch curriculum.

The Master of Architecture program at GSAPP stresses the importance of understanding and applying architectural concepts in relation to broader historical and contemporary issues. The objective of the program is to enable students to develop a theoretical basis for decision making in design, while maintaining intense exposure to a broad spectrum of philosophical and cultural attitudes.

The Architecture Design Studio integrates the knowledge acquired in the five other areas of studies. The History and Theory Sequence broadens the student's perceptions through the historical and theoretical examination. The Building

Technology Sequence prepares the student to understand the structural, material consequences, and constraints on design decisions. The Visual Studies Sequence provides specialized investigation that complements the normal studio work, including both manual and computer-aided drawing courses. The Professional Practice Sequence prepares the student to undertake management and professional practice activities. The Elective Sequence permits the student to pursue individual interests in architectural and environmental topics.

While the Design Studio sequence is roughly divided between Core and Advanced Studios, the intent is for a gradient from Core to Advanced with every semester offering a combination of both, where small and large, local and global, the aesthetic and the performative, the real and its representation, the urban and the natural are all engaged not in opposition but in conversation, as student explore and redefine architecture as field, network and extended object all at once.

SUMMARY OF THE MASTER OF ARCHITECTURE PROGRAM

To graduate with a Master of Architecture degree, a student is required to complete 108 graduate-level course points that are approved by the Graduate School of Architecture, Planning, and Preservation. These course points are a combination of required courses, a certain number of points of distribution course requirements, and elective course points. The courses are divided into the following categories: Studio, History/Theory, Building Technologies, Visual Studies, Methods/Practice, and Elective. Each category (except Elective) has requirements that must be fulfilled. The School reserves the right to institute changes in the curriculum before the expiration date of this bulletin.

I. Studio Course Sequence

The Studio Sequence is the focus of the M.Arch. Program. During the three-year, six-term program each student may study with as many as six different critics. All studio work is subject to formal public design review, and design juries include visiting architects, historians, artists, critics, and engineers, as well as faculty members from the Architecture, Building Design, Urban Design, Planning, and Historic Preservation, and Real Estate Development Programs of the School.

The Core Studios are composed of a carefully structured three-term sequence involving a series of interrelated projects that begin with an examination and utilization of fundamental space-making elements that are directed toward the ordering of hierarchical spatial sequences, the engagement of the phenomena involved in the act of making or constructing, and the occupation of space. Studio projects involve the issues of public and private, urban and suburban, context and program, analysis and invention, among others, and progressively increase in length from two weeks to twelve weeks, with core skills gradually being supplemented by an increasing amount

of experimentation each semester. In the first semester, the students are assigned a teacher and all work on the same design project with many joint sessions with all the teachers and students. In the second semester, all students work on the same design project, but choose from a range of teachers with very different philosophies, and each student is expected to add a unique programmatic element to the shared program. In the third semester, all students work on a social housing project, selecting their teacher and working in pairs.

In the Advanced Studios, themes, programs and philosophies are defined by the individual critics. These themes and programs both carry an educational objective and present an opportunity for the critic to develop with his or her students a specific area of work or research. The Advanced Studios are intended to build upon the ideas and skills developed in the Core Studios. The range of faculty and studio projects in studio sections allows the student to work with those instructors on projects that will allow specialized design study. The fourth semester completes the transition from the core to the advanced experimental approach. All teachers present the designn problem of different institutions, interpreted vey broadly. In the fifth and sixth semesters, there are no constraints on the theme or approach and all the studios are open to both M.Arch. students second professional degree students. While the core is stable, the array of advanced studio options is constantly adjusted as new issues, techniques, and strategies emerge. A number of the studios are joint studios with Urban Planning, Historic Preservation, Real Estate Development, and Engineering Students.

Studio Requirements for M.Arch. Program

A4001 Core studio, I	9 pts
A4002 Core studio, II	9 pts
A4003 Core studio, III	9 pts
A4004 Advanced studio, IV	9 pts
A4005 Advanced studio, V	9 pts
A4006 Advanced studio, VI	9 pts
Total:	54 pts

II. History / Theory Course Sequence

The History/Theory curriculum stresses a broad social and cultural approach to architecture history. Architecture history is not seen primarily as stylistic evolution, but rather in terms of a rich matrix of parameters – political, economic, artistic, technological, and theoretical – that have had a role in shaping the discipline. Most instructors of architecture history at GSAPP have both professional and academic

degrees. A shared intention is to understand the relations between practice and a historical perspective.

The course offerings are structured to provide each student with an opportunity to gain both a broad general background in architecture history and a degree of specialized knowledge in areas of his or her selection. The architecture history classes within the School are supplemented by classes in the Department of Art History and Archaeology, and students are especially encouraged to take art history courses examining pre-1750 and non-Western topics. Students may also take courses in other departments of the University, such as history and philosophy, providing they meet basic distribution requirements.

Requirements for M.Arch. Program

Please note: If you are not eligible for History & Theory or Building Science & Technology advanced standing / waiver, the following are the required classes for M. Arch students. Columbia GSAPP does not offer advanced standing or a waiver for Visual Studies

Semester 1 – Fall

Core Studio I	9 pts
Architectural Technology I	3 pts
Questions in Architectural History I	3 pts
Visual Studies I: Architectural Drawing & Rep I	3 pts
Total: 18 pts	

Semester 2 – Spring

Core Studio II	9 pts
Architectural Technology II	3 pts
Questions in Architectural History II	3 pts
Visual Studies II: Architectural Drawing & Rep II	3 pts
Total: 18 pts	

Semester 3 – Fall

Core Studio III	9 pts
Architectural Technology III	3 pts

Architectural Technology IV	3 pts
History / Theory Distribution 1	3 pts
Total: 18 pts	

Semester 4 – Spring	
Advanced Studio IV	9 pts
Architectural Technology V	3 pts
History / Theory Distribution 2	3 pts
Visual Studies Elective	3 pts
Total: 18 pts	

Semester 5 – Fall	
Advanced Studio V	9 pts
Architectural Technology VI	3 pts
History / Theory Distribution 3	3 pts
Professional Practice	3 pts
Total: 18 pts	

Semester 6 – Spring	
Advanced Studio VI	9 pts
History / Theory Distribution 4	3 pts
2 Electives	6 pts
Total: 18 pts	

Requirements by Distribution

Architecture Studio Sequence Requirements

Six sequential studios starting in Fall term, 1st year:

A4001 Core studio I	9 pts
A4002 Core Studio II	9 pts
A4003 Core Studio III	9 pts
A4004 Advanced Studio IV	9 pts
A4005 Advanced Studio V	9 pts
A4006 Advanced Studio VI	9 pts

Total: 54 pts

History/ Theory Sequence Requirements

Two sequential courses:

A4348 Questions in Architectural History I	3 pts
A4349 Questions in Architectural History II	3 pts

Total: 6 pts

If a student has had a similar class or classes, he or she may petition the professor of the class to waive the requirement.

History/ Theory Distributional Requirements

Four courses: 12 pts

Students must complete four courses (3 pts each for a total of 12 pts). Of those four courses, one course must be Pre-1750 and one course must be Non-Western, unless waivers are granted. The remaining two courses must be chosen from two of the following three categories (students may not take two courses in the same category toward the requirement):

1. Modern: 1750 to the Present
2. Urban Society
3. American

Students are expected to combine breadth in those fields they have not previously studied with in-depth seminars in at least one of these categories. Each term course schedule will identify those courses fulfilling the distribution requirements.

Visual Studies Requirements

A4023 Architectural Drawing & Representation I	3 pts
A4024 Architectural Drawing & Representation II	3 pts
Total: 6 pts	

Methods & Practice Sequence Requirements

Visual Studies Electives	3 pts
A4560 Professional Practice	3 pts
Total: 6 pts	

Building Science & Technology Sequence Requirements

Six sequential courses:

A4111 Architectural Technology I (AT1)	3 pts
A4112 Architectural Technology II (AT2)	3 pts
A4113 Architectural Technology III (AT3)	3 pts
A4114 Architectural Technology IV (AT4)	3 pts
A4115 Architectural Technology V (AT5)	3 pts
A4116 Architectural Technology VI (AT6)	3 pts

Total: 18 pts

Building Science & Technology Electives

Electives are open to all students in the School, subject to the prerequisites listed in the course descriptions. Students waived out of ATII; ATIII; ATIV; or ATV, must take an advanced elective course for each waived course. Some courses are not offered every year. Additional technology electives are taught occasionally.

EXAMPLE OF THREE-YEAR M.ARCH CURRICULUM

TERM 1 (FALL)

A4001	CORE STUDIO I	9 pts
A4111	ARCHITECTURAL TECHNOLOGY I	3 pts
A4348	QUESTIONS IN ARCHITECTURAL HISTORY I	3 pts
A4023	ARCHITECTURAL DRAWING & REPRESENTATION I	3 pts
TOTAL		18 pts

TERM 2 (SPRING)

A4002	CORE STUDIO II	9 pts
A4112	ARCHITECTURAL TECHNOLOGY II	3 pts
A4349	QUESTIONS IN ARCHITECTURAL HISTORY II	3 pts
A4024	ARCHITECTURAL DRAWING & REPRESENTATION II	3 pts
TOTAL		18 pts

TERM 3 (FALL)

A4003	CORE STUDIO III	9 pts
A4113	ARCHITECTURAL TECHNOLOGY III	3 pts
A4114	ARCHITECTURAL TECHNOLOGY IV	3 pts
AXXXX	HISTORY / THEORY DISTRIBUTION - MODERN	3 pts
TOTAL		18 pts

TERM 4 (SPRING)

A4004	ADVANCED STUDIO IV	9 pts
A4115	ARCHITECTURAL TECHNOLOGY V	3 pts
AXXX	HISTORY / THEORY DISTRIBUTION - NON-WESTERN	3 pts
AXXX	VISUAL STUDIES ELECTIVES (2 courses at 1.5 pts/each)	3 pts
	TOTAL	18 pts

TERM 5 (FALL)

A4005	ADVANCED STUDIO V	9 pts
A4116	ARCHITECTURAL TECHNOLOGY VI	3 pts
A4XXX	HISTORY / THEORY DISTRIBUTION - PRE-1750	3 pts
A4560	PROFESSIONAL PRACTICE	3 pts
	TOTAL	18 pts

TERM 6 (SPRING)

A4006	ADVANCED STUDIO VI	9 pts
A4XXX	HISTORY / THEORY DISTRIBUTION - URBAN	3 pts
A4024	ARCHITECTURAL DRAWING & REPRESENTATION II	3 pts
A4XXX	ELECTIVE	3 pts
	TOTAL	18 pts

ACCREDITATION

In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted a 6-year, 3-year, or 2-year term of accreditation, depending on the extent of its conformance with established educational standards.

Master of Architecture degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree that, when earned sequentially, constitute an accredited professional education. However, the preprofessional degree is not, by itself, recognized as an accredited degree.

COURSES OF INSTRUCTION

FALL 2017

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4001		CORE ARCHITECTURE STUDIO I	CHRISTOPH KUMPUSCH	STUDIO	REQUIRED 1ST YR MARCH	
A4101	1	CORE ARCHITECTURE STUDIO I	TEI CARPENTER	STUDIO	REQUIRED 1ST YR MARCH	
A4101	2	CORE ARCHITECTURE STUDIO I	CHRISTOPH KUMPUSCH	STUDIO	REQUIRED 1ST YR MARCH	
A4101	3	CORE ARCHITECTURE STUDIO I	ILIAS PAPAGEORGIOU	STUDIO	REQUIRED 1ST YR MARCH	
A4101	4	CORE ARCHITECTURE STUDIO I	JOSH UHL	STUDIO	REQUIRED 1ST YR MARCH	
A4101	5	CORE ARCHITECTURE STUDIO I	STEPHANIE LIN	STUDIO	REQUIRED 1ST YR MARCH	
A4101	6	CORE ARCHITECTURE STUDIO I	BRANDT KNAPP	STUDIO	REQUIRED 1ST YR MARCH	
A4101	7	CORE ARCHITECTURE STUDIO I	INAQUI CARNICERO	STUDIO	REQUIRED 1ST YR MARCH	
A4101	8	CORE ARCHITECTURE STUDIO I	CARRIE NORMAN	STUDIO	REQUIRED 1ST YR MARCH	
A4003		CORE ARCHITECTURE STUDIO III	H. SAMPLE	STUDIO	REQUIRED 2ND YR MARCH	
A4103	1	CORE ARCHITECTURE STUDIO III	HILARY SAMPLE	STUDIO	REQUIRED 2ND YR MARCH	
A4103	2	CORE ARCHITECTURE STUDIO III	ADAM FRAMPTON	STUDIO	REQUIRED 2ND YR MARCH	
A4103	3	CORE ARCHITECTURE STUDIO III	DAISY AMES	STUDIO	REQUIRED 2ND YR MARCH	
A4103	4	CORE ARCHITECTURE STUDIO III	ERIC BUNGE	STUDIO	REQUIRED 2ND YR MARCH	
A4103	5	CORE ARCHITECTURE STUDIO III	EMMETT ZEIFMAN	STUDIO	REQUIRED 2ND YR MARCH	
A4103	6	CORE ARCHITECTURE STUDIO III	MARIO GOODEN	STUDIO	REQUIRED 2ND YR MARCH	
A4103	7	CORE ARCHITECTURE STUDIO III	GALIA SOLOMONOFF	STUDIO	REQUIRED 2ND YR MARCH	
A4103	8	CORE ARCHITECTURE STUDIO III	JIN HEE PARK	STUDIO	REQUIRED 2ND YR MARCH	

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4005		ADVANCED STUDIO V	ENRIQUE WALKER & JUAN HERREROS.	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	1	ADVANCED STUDIO V	LAURIE HAWKINSON	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	2	ADVANCED STUDIO V	BERNARD TSCHUMI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	3	ADVANCED STUDIO V	ANDRES JAQUE	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	4	ADVANCED STUDIO V	LAURA KURGAN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	5	ADVANCED STUDIO V	MABEL WILSON	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	6	ADVANCED STUDIO V	LISE ANNE COUTURE	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	7	ADVANCED STUDIO V	JIMENEZ LAI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	8	ADVANCED STUDIO V	JUNYA ISHIGAMI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	9	ADVANCED STUDIO V	DAVID BENJAMIN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	10	ADVANCED STUDIO V	RICHARD PLUNZ	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	11	ADVANCED STUDIO V	MARC TSURUMAKI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	12	ADVANCED STUDIO V	GIANCARLO MAZZANTI & CARLOS MEDELLIN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	13	ADVANCED STUDIO V	GREGG PASQUARELLI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	14	ADVANCED STUDIO V	VPPR-TATIANA VON PREUSSEN, JESSICA REYNOLDS, CATHERINE PEASE	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	15	ADVANCED STUDIO V	MICHAEL BELL	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	16	ADVANCED STUDIO V	DOMINIC & CHRISTOPHER LEONG	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	17	ADVANCED STUDIO V	MARK RAKATANSKY & OTERO-PAILOS	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	18	ADVANCED STUDIO V	ARINDAM DUTTA	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4023		ADR I	JOSH UHL & FARZIN LOTFI-JAM & BIKI REBEK & DANIL NAGY &	LECTURE	REQUIRED 1ST YR MARCH	
A4050		ARCH ELECTIVE INTERNSHIP	FRANCESCA FANELLI	INTERNSHIP	ELECTIVE	
A4111		AT I, ENVIRONMENTS IN ARCH	SHANTA TUCKER	LECTURE	REQUIRED 1ST YR MARCH	TECH
A4113		AT III ENVELOPES	SILVIA PRANDELLI	LECTURE	REQUIRED 2ND YR MARCH	TECH
A4114		AT IV BLDG SYSTEMS INTEGRATION	SARRAH KHAN	LECTURE	REQUIRED 2ND YR MARCH	TECH
A4337		POLITICS OF SPACE	MARY MCLEOD	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN OR URBAN
A4348		QUESTIONS IN ARCHITECTURAL HISTORY I		LECTURE	REQUIRED 1ST YR MARCH	HISTORY/THEORY
A4348	1	QUESTIONS IN ARCHITECTURAL HISTORY I	ARINDAM DUTTA	LECTURE	REQUIRED 1ST YR MARCH	HISTORY/THEORY
A4348	2	QUESTIONS IN ARCHITECTURAL HISTORY I	REINHOLD MARTIN	LECTURE	REQUIRED 1ST YR MARCH	HISTORY/THEORY
A4348	3	QUESTIONS IN ARCHITECTURAL HISTORY I	MABEL WILSON	LECTURE	REQUIRED 1ST YR MARCH	HISTORY/THEORY

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4420		COMPARATIVE CRITICAL ANALYSIS OF BUILT FORM	KENNETH FRAMPTON	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4427		ARCHITECTURE APROPOS ART	STEVEN HOLL	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4429		STUDIES IN TECTONIC CULTURE	KENNETH FRAMPTON	LECTURE	ELECTIVE	HISTORY/THEORY-MODERN
A4469		THE HISTORY OF ARCHITECTURE-THEORY	MARK WIGLEY	LECTURE	ELECTIVE	
A4476		SEEING ARCHITECTURE	LAURIE HAWKINSON	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4535		FUNDAMENTALS OF DIGITAL DESIGN:	JOHN CERONE & MARK GREEN	SEMINAR	ELECTIVE	COMPUTER
A4560	1	PROFESSIONAL PRACTICE	PAUL SEGAL	LECTURE	REQUIRED 3RD YR MARCH	
A4560	2	PROFESSIONAL PRACTICE	PAUL SEGAL	LECTURE	REQUIRED 3RD YR MARCH	
A4581		EXHIBITION HISTORIES, CURATING THEORIES	MARK WASIUTA	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4598		MODERN HOUSING	GWEN WRIGHT	SEMINAR	ELECTIVE	HISTORY/THEORY-AMERICAN OR MODERN
A4620		BUILDING CHINA MODERN	AMY LEVYVELD	SEMINAR	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A4625		MATERIALS OF HOUSING	BOB MARINO	SEMINAR	ELECTIVE	TECH
A4628		ACOUSTICS	RAJ PATEL	SEMINAR	ELECTIVE	TECH
A4684		SUSTAINABLE DESIGN	DAVIDSON NORRIS	SEMINAR	ELECTIVE	TECH
A4776		MAN, MACHINE AND THE INDUSTRIAL LANDSCAPE: RE-IMAGING THE RELATIONSHIP BETWEEN INDUSTRIAL AND PUBLIC TERRITORIES	SEAN GALLAGHER	SEMINAR	ELECTIVE	TECH
A4780		ARCH & HUMAN RIGHTS	FELICITY SCOTT	SEMINAR		HISTORY/THEORY-MODERN
A4781		SURFACE, SCREEN & STRUCTURE	JOE VIDICH & RETO HUG	SEMINAR	ELECTIVE	TECH
A4824		TRANSFORMABLE DESIGN METHODS	MATT DAVIS	SEMINAR	ELECTIVE	TECH
A4848		PLACE: PROJECTIVE LANDSCAPES AND COLLECTIVE ECOLOGIES	MARK BEARAK & DAVID BROWN	SEMINAR	ELECTIVE	TECH
A4851		TECHNOLOGY IN TRANSITION: DISRUPTION & INNOVATION IN ARCHITECTURE	CRAIG SCHWITTER	SEMINAR	ELECTIVE	TECH
A4856		TRANSITIONAL GEOMETRIES	TREVOR WATSON	SEMINAR	ELECTIVE	TECH
A4862		WIRED SKIN	TODD DALLAND, ROBERT LERNER, COLIN TOUEY	SEMINAR	ELECTIVE	TECH
A4866		MODERNISM AND THE VERNACULAR	MARY MCLEOD	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN OR NON-WESTERN
A6455		FOREIGNERS IN THE EUROPEAN CITY 15TH -18TH CENTURY	VICTORIA SANGER	SEMINAR	ELECTIVE	HISTORY/THEORY-PRE-1750
A6752		AGE OF THE ARCHITECT	TROY THERRIEN	SEMINAR	ELECTIVE	DESIGN SEMINAR
A6756		MAKE	ADA TOLLA & GIUSEPPE LIGNANO	WORKSHOP	ELECTIVE	VISUAL STUDIES
A6761		TRANS-RURAL AMERICA	ANDRES JAQUE	SEMINAR	ELECTIVE	DESIGN SEMINAR
A6769		HISTORIES OF AMERICAN CITIES	GWEN WRIGHT	LECTURE	ELECTIVE	HISTORY/THEORY-AMERICAN OR URBAN
A6794		ARCHITECTURE IN PRINT	JAMES GRAHAM	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A6797		ECHOING BORDERS: THE PRODUCTION OF SPACE WITHIN NEW PARADIGMS OF CITIZENSHIP	NORA AKAWI & KHALED MALAS	SEMINAR	ELECTIVE	HISTORY/THEORY-NON-WESTERN

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A6801		STRUCTURAL DARING & THE SUBLIME IN PRE MODERN ARCHITECTURE	RORY O'NEILL	SEMINAR	ELECTIVE	HISTORY/THEORY-PRE-1750
A6806		BUILDING ISLAM, A BRIEF HISTORY OF THE MOSQUE & OTHER STRUCTURES	ZAID JAMALEDINE	SEMINAR	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A6813		RADICAL FUNCTIONALISM IN LATIN AMERICA	LUIS CARRANZA	SEMINAR	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A6900		RESEARCH I	DANIELLE SOLLER	INDEP STUDY	ELECTIVE	
A8904		ARCHITECTURE DOCTORAL COLLOQUIUM I	MARK WIGLEY	SEMINAR	PHD REQUIRED	
A4122		MAPPING FOR ARCHITECTURE URBANISM AND HUMANITIES	MICHELLE MCSWEENEY	SEMINAR	ALL GSAPP ELECTIVE	VISUAL STUDIES, INTERDISC
A4534		TECHNIQUES OF THE ULTRREAL	JOE BRENNAN AND PHILIP CRUPI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4612		ARCHITECTURAL PHOTOGRAPHY	ERIETA ATTALI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4715		RE-THINKING THE BIM	BRAIN LEE & JOHN LEE	SEMINAR	ELECTIVE	VISUAL STUDIES
A4716-001	1	GRAPHIC ARCHITECTURE PROJECT I: DESIGN AND TYPOGRAPHY	YOONJAI CHOI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4726		GRAPHIC ARCHITECTURE PROJECT III: DESIGN SEMINAR	MICHAEL ROCK & LEIGHA DENNIS	SEMINAR	ELECTIVE	VISUAL STUDIES
A4778		META TOOL I	DAN TAEYOUNG LEE	SEMINAR	ELECTIVE	VISUAL STUDIES
A4808		META TOOL II	DAN TAEYOUNG LEE	SEMINAR	ELECTIVE	VISUAL STUDIES
A4815		X INFORMATION MODELING I	LUC WILSON	SEMINAR	ELECTIVE	VISUAL STUDIES
A4829		X INFORMATION MODELING II	LUC WILSON	SEMINAR	ELECTIVE	VISUAL STUDIES
A4832		LINES NOT SPLINES: DRAWING AS INVENTION	CHRISTOPH KUMPUSCH	SEMINAR	ELECTIVE	VISUAL STUDIES
A4834		DATAMINING THE CITY	VIOLET WHITNEY	SEMINAR	ELECTIVE	VISUAL STUDIES
A4836		DATAMINING THE CITY II	VIOLET WHITNEY	SEMINAR	ELECTIVE	VISUAL STUDIES
A4945		PLAY	FARZIN LOTFI-JAM	SEMINAR	ELECTIVE	VISUAL STUDIES
A4951		COMPOSITE MODELLING	JOSHUA JORDAN & JACKIE MARTINEZ	SEMINAR	ELECTIVE	VISUAL STUDIES
A4968		TOOLS FOR SHOW : READY FOR REPLICAS	BIKA REBEK	SEMINAR	ELECTIVE	VISUAL STUDIES
A4969		TOOLS FOR SHOW : POTENT PROTOTYPES	BIKA REBEK	SEMINAR	ELECTIVE	VISUAL STUDIES
A4973		STILL LIFE ARCHITECTURAL ILLUSTRATION: PHOTOGRAPHY OF MODELS	JAMES EWING	SEMINAR	ELECTIVE	VISUAL STUDIES
PLA4577		INTRO TO GIS	LEAH MEISTERLIN	LECTURE	UP REQUIRED 1ST YR	VISUAL STUDIES
A4890		CONFLICT URBANISM: INFRA POLITICS	LAURA KURGAN	SEMINAR	ALL GSAPP ELECTIVE, GSAS	HISTORY/THEORY-URBAN, INTERDISC
A6776		EMERGENT CULTURE: PRODUCTION AND STRATEGIES	KAREN WONG	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A6785		THEORY OF CITY FORM	VISHAAN CHAKRABARTI	SEMINAR	ALL GSAPP ELECTIVE	HISTORY/THEORY-URBAN, INTERDISC
A4122		MAPPING FOR ARCHITECTURE URBANISM AND HUMANITIES	MICHELLE MCSWEENEY	SEMINAR	ALL GSAPP ELECTIVE, GSAS	VISUAL STUDIES, INTERDISC
A4890		CONFLICT URBANISM: INFRA POLITICS	LAURA KURGAN	SEMINAR	ALL GSAPP ELECTIVE, GSAS	HISTORY/THEORY-URBAN, INTERDISC
A6776		EMERGENT CULTURE: PRODUCTION AND STRATEGIES	KAREN WONG	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A6785		THEORY OF CITY FORM	VISHAAN CHAKRABARTI	SEMINAR	ALL GSAPP ELECTIVE	HISTORY/THEORY-URBAN, INTERDISC

SPRING 2018

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4002		CORE ARCHITECTURE STUDIO II	MIMI HOANG	STUDIO	REQUIRED 1ST YR MARCH	
A4102	1	CORE ARCHITECTURE STUDIO II	MIMI HOANG	STUDIO	REQUIRED 1ST YR MARCH	
A4102	2	CORE ARCHITECTURE STUDIO II	GORDON KIPPING	STUDIO	REQUIRED 1ST YR MARCH	
A4102	3	CORE ARCHITECTURE STUDIO II	JOSE ARAGUEZ	STUDIO	REQUIRED 1ST YR MARCH	
A4102	4	CORE ARCHITECTURE STUDIO II	KARLA ROTHSTEIN	STUDIO	REQUIRED 1ST YR MARCH	
A4102	5	CORE ARCHITECTURE STUDIO II	ERICA GOETZ	STUDIO	REQUIRED 1ST YR MARCH	
A4102	6	CORE ARCHITECTURE STUDIO II	CHRISTOPH KUMPUSCH	STUDIO	REQUIRED 1ST YR MARCH	
A4102	7	CORE ARCHITECTURE STUDIO II	BENJAMIN CADENA	STUDIO	REQUIRED 1ST YR MARCH	
A4102	8	CORE ARCHITECTURE STUDIO II	EMMETT ZEIFMAN	STUDIO	REQUIRED 1ST YR MARCH	
A4004		ADVANCED STUDIO IV	DAVID BENJAMIN	STUDIO	REQUIRED 2ND YR MARCH	
A4104	1	ADVANCED STUDIO IV	DAVID BENJAMIN	STUDIO	REQUIRED 2ND YR MARCH	
A4104	2	ADVANCED STUDIO IV	ADAM FRAMPTON	STUDIO	REQUIRED 2ND YR MARCH	
A4104	3	ADVANCED STUDIO IV	CAITLIN TAYLOR	STUDIO	REQUIRED 2ND YR MARCH	
A4104	4	ADVANCED STUDIO IV	NAHYUN HWANG	STUDIO	REQUIRED 2ND YR MARCH	
A4104	5	ADVANCED STUDIO IV	PHU HOANG	STUDIO	REQUIRED 2ND YR MARCH	
A4104	6	ADVANCED STUDIO IV	TEI CARPENTER	STUDIO	REQUIRED 2ND YR MARCH	
A4104	7	ADVANCED STUDIO IV	BOB MARINO	STUDIO	REQUIRED 2ND YR MARCH	
A4104	8	ADVANCED STUDIO IV	RICHARD PLUNZ	STUDIO	REQUIRED 2ND YR MARCH / JOINT UP	
A4104	9	ADVANCED STUDIO IV	INDY ROY	STUDIO	REQUIRED 2ND YR MARCH	
A4006		ADVANCED STUDIO VI	JUAN HERREROS	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	1	ADVANCED STUDIO VI	MARIO GOODEN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	2	ADVANCED STUDIO VI	STEVEN HOLL + DIMITRA TSACHRELIA	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	3	ADVANCED STUDIO VI	MARK WASIUTA	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	4	ADVANCED STUDIO VI	GALIA SOLOMONOFF	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	5	ADVANCED STUDIO VI	ENRIQUE WALKER	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	6	ADVANCED STUDIO VI	JING LIU	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	7	ADVANCED STUDIO VI	LAURIE HAWKINSON	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	8	ADVANCED STUDIO VI	SARAH DUNN + MARTIN FELSEN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	9	ADVANCED STUDIO VI	MICHAEL BELL	STUDIO	REQUIRED 3RD YR MARCH + AAD	

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4106	10	ADVANCED STUDIO VI	KERSTEN GEERS	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	11	ADVANCED STUDIO VI	POINT SUPREME -KONSTANTINOS PANTAZIS AND MARIANNA RENTZOU	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	12	ADVANCED STUDIO VI	ADA TOLLA & GIUSEPPE LIGNANO	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	13	ADVANCED STUDIO VI	JUAN HERREROS	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	14	ADVANCED STUDIO VI	TATIANA BILBAO	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	15	ADVANCED STUDIO VI	HILARY SAMPLE	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	16	ADVANCED STUDIO VI	UMBERTO NAPOLITANO + YAN ROCHE	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	17	ADVANCED STUDIO VI	JULIAN ROSE & GARRETT RICCIARDI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	18	ADVANCED STUDIO VI	LAUREL BROUGHTON	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4024		ARCHITECTURAL DRWG + REP II	DAN TAEYOUNG	LECTURE	REQUIRED 1ST YR MARCH	VISUAL STUDIES
A4050		ARCH ELECTIVE INTERNSHIP	FRANCESCA FANELLI	INTERNSHIP	ELECTIVE	
A4059		CLIMATE CHANGE + GLOBAL CITIES	MICHAEL KIMMELMAN	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A4064		INFORMAL URBANISMS: INCREMENTALISM AND CITIZEN PARTICIPATION IN THE BUILT ENVIRONMENT	CASSIM SHEPARD	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A4066		QUALITY CONTROL: ARCHITECTURE AND STANDARDIZATION	NADER VOSSOUGHIAN	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4112		AT II STRUCTURES IN ARCHITECTURE	ZAK KOSTURA	LECTURE	REQUIRED 1ST YR MARCH	TECH
A4115		AT V URBAN SYSTEMS INTEGRATION	CRAIG SCHWITTER	LECTURE	REQUIRED 2ND YR MARCH	TECH
A4332		EUROPEAN URB CARTOGRAPHY 16TH-19TH CENT.	VICTORIA SANGER	LECTURE	ELECTIVE	HISTORY/THEORY-PRE-1750
A4349		QUESTIONS IN ARCHITECTURAL HISTORY II		LECTURE	REQUIRED 1ST YR MARCH	HISTORY/THEORY
A4349	1	QUESTIONS IN ARCHITECTURAL HISTORY II	KEN FRAMPTON	LECTURE	REQUIRED 1ST YR MARCH	HISTORY/THEORY
A4349	2	QUESTIONS IN ARCHITECTURAL HISTORY II	MARK WIGLEY	LECTURE	REQUIRED 1ST YR MARCH	HISTORY/THEORY
A4349	3	QUESTIONS IN ARCHITECTURAL HISTORY II	JOHN HARWOOD	LECTURE	REQUIRED 1ST YR MARCH	HISTORY/THEORY
A4352		EVENTS IN MODERN ARCHITECTURE 1850-PRESENT EXHIBITIONS	MARY MCLEOD	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4383		GUMBO YA-YA: AFRICAN AMERICAN CULTURE AS A PRACTICE MODEL	SHARON SUTTON	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4384		ART AND SOCIAL INFRASTRUCTURE	GALIA SOLOMONOFF	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4385		ARAB MODERNISM(S): EXPERIMENTS IN HOUSING, 1945-PRESENT	YASSER ELSHESHTAWY	LECTURE	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A4388		PLASTIC MODERNITY: ART, SCULPTURE, AND CINEMA IN LATIN AMERICAN ARCHITECTURE	LUIS CARRANZA	LECTURE	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A4390		GREATS: CHINA'S BIG PROJECTS 1949-1980	AMY LELYFELD	SEMINAR	ELECTIVE	HISTORY/THEORY-NON-WESTERN

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4397		SPECULATIVE CITY, CRISIS, UNCERTAINTY AND PROJECTIONS IN ARCHITECTURE	DAVID EUGIN MOON	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4408		PHILOSOPHY OF ARCHITECTURE	KENNETH FRAMPTON	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4427		ARCHITECTURE APROPOS ART	STEVEN HOLL + DIMITRA TSACHRELIA	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4552		DARK SPACE: ARCHITECTURE REPRESENTATION & BLACK IDENTITY	MARIO GOODEN	SEMINAR	ELECTIVE	HISTORY/THEORY- AMERICAN OR MODERN
A4597		EXTREME DESIGN	MARK WIGLEY	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4634		ADVANCED CURTAIN WALL	ROBERT HEINTGES + DANIEL VOS	SEMINAR	ELECTIVE	TECH
A4635		ARCHITECTURAL DAYLIGHTING	DAVIDSON NORRIS	SEMINAR	ELECTIVE	TECH
A4642		CONTESTED GROUNDS: THE SPATIAL POLITICS OF MEMORY	MABEL WILSON	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4648		BEYOND BEAUTY	MARY MCLEOD	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4656		FAST PACE/ SLOW SPACE	BEARAK + BORDERS	SEMINAR	ELECTIVE	TECH
A4678		DESIGNING FOR ZERO: HOUSING, MOBILITY, ENERGY	MICHAEL BELL	SEMINAR	ELECTIVE	HISTORY/THEORY- URBAN
A4686		ASSEMBLING ALL SORTS	RYAN JOHNS	SEMINAR	ELECTIVE	TECH
A4694		READING BUILDINGS, WRITING BUILDINGS	MARK RAKATANSKY	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4696		ADV PROFESSIONAL PRACTICE	ROBERT HERRMANN	LECTURE	ELECTIVE	PRO PRACTICE
A4701		INNOVATION, TECHNOLOGY AND ARCHITECTURE	LISE ANNE COUTURE	SEMINAR	ELECTIVE	TECH
A4707		ADVANCED MODELS IN ARCHITECTURAL SIMULATION	MARK COLLINS AND TORU HASEGAWA	SEMINAR	ELECTIVE	TECH
A4800		MATERIAL THINGS	JOSHUA JORDAN	SEMINAR	ELECTIVE	TECH
A4846		SUPER-TALL	NICOLE DOSSO	SEMINAR	ELECTIVE	TECH
A4856		TRANSITIONAL GEOMETRIES	TREVOR WATSON	SEMINAR	ELECTIVE	TECH
A4858		DETAIL: CRAFT IN PRACTICE	TREVOR WATSON + PAUL SANDERSON	SEMINAR	ELECTIVE	TECH
A4869		BOOKS, FIGURES, OBJECTS	HILARY SAMPLE	SEMINAR	ELECTIVE	DESIGN SEMINAR
A6448		DESIGN THEORIES	ENRIQUE WALKER	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A6460		ARCHITECTURE, THE FREE MARKET AND THE DEGRADATION OF CIVIC SPACE	NICOLAI OUROUSOFF	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A6804		GLOBAL STREET DESIGN	SKYE J DUNCAN + ANKITA CHACHRA	SEMINAR	UD REQUIRED	
A6718		BUILDINGS AND MATERIALS: ARCHITECTURAL HISTORIES OF RESOURCES	JONAH ROWEN	SEMINAR	ELECTIVE	HISTORY/THEORY- MODERN OR NON-WESTERN
A6901		RESEARCH II	DANIELLE SMOller	INDEP STUDY	ELECTIVE	
A8905		PHD COLLOQUIUM	REINHOLD MARTIN	SEMINAR	PHD REQUIRED	
A4534		TECHNIQUES OF THE ULTRAREAL	JOSEPH BRENNAN AND PHILLIP CRUPI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4676		ARCHITECTURAL PHOTOGRAPHY	ERIETA ATTALI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4715	1	RE-THINKING BIM	JOHN LEE AND BRIAN LEE	SEMINAR	ELECTIVE	VISUAL STUDIES
A4716		GRAPHIC ARCHITECTURE PROJECT I: DESIGN AND TYPOGRAPHY	YOONJAI CHOI & KEN MEIER	SEMINAR	ELECTIVE	VISUAL STUDIES
A4726		GRAPHIC ARCHITECTURE PROJECT II:DESIGN SEMINAR	MICHAEL ROCK & WHITNEY DOW?	SEMINAR	ELECTIVE	VISUAL STUDIES

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4793		APP-ITECTURE	TORU HASEGAWA + MARK COLLINS	SEMINAR	ELECTIVE	VISUAL STUDIES
A4841		URBANISMS & ALGORITHMS I	LUC WILSON	SEMINAR	ELECTIVE	VISUAL STUDIES
A4845		GENERATIVE DESIGN I	DANIL NAGY	SEMINAR	ELECTIVE	VISUAL STUDIES
A4894		USER-CENTERED DESIGN FOR EMERGING DIGITAL-PHYSICAL ENVIRONMENTS	AGNES CHANG	SEMINAR	ELECTIVE	VISUAL STUDIES
A4063		POINTS UNKNOWN: CARTOGRAPHIC NARRATIVES	GRGA BASIC + MICHAEL KRISCH	SEMINAR	ALL GSAPP ELECTIVE	VISUAL STUDIES, INTERDISC
A4892	1	DATA VISUALIZATION FOR ARCHTECTURE, URBANISM AND THE HUMANITIES	JUAN FRANCISCO SALDARRIAGA	SEMINAR	ALL GSAPP ELECTIVE, GSAS	INTERDISC
A4892	2	DATA VISUALIZATION FOR ARCHTECTURE, URBANISM AND THE HUMANITIES	AGNES CHANG	SEMINAR	ALL GSAPP ELECTIVE, GSAS	INTERDISC
A4063		POINTS UNKNOWN: CARTOGRAPHIC NARRATIVES	GRGA BASIC + MICHAEL KRISCH	SEMINAR	ALL GSAPP ELECTIVE	VISUAL STUDIES, INTERDISC
A4892		DATA VISUALIZATION FOR ARCHTECTURE, URBANISM AND THE HUMANITIES	JUAN FRANCISCO SALDARRIAGA	SEMINAR	ALL GSAPP ELECTIVE, GSAS	INTERDISC

MASTER OF SCIENCE DEGREE IN ADVANCED ARCHITECTURAL DESIGN (MSAAD)

DIRECTOR: Enrique Walker

THE PROGRAM

The Master of Science degree in Advanced Architectural Design is a three-term program consisting of summer, autumn, and spring terms. The objective of the program is to provide outstanding young professionals who hold a Bachelor of Architecture or Master of Architecture an opportunity to engage with and conceptualize design as a critical practice that shapes the world's technological, relational and environmental evolutions. The program is viewed as a framework in which both academic and professional concerns are explored. Overall, the program emphasizes an experimental approach to research and architectural design rigorously grounded in contemporary challenges.

ADMISSIONS

Applications are due January 15. All applicants for admission to the program must have a B.Arch. or M.Arch. degree or the equivalent. In addition to the application form and required supporting documents, applicants must upload a portfolio containing examples of their architectural designs, particularly from the last two years of undergraduate training. The portfolio must be a PDF (20 pages or less - including covers; not to exceed 32 MB) of your portfolio to the online application. Portfolios must be uploaded when the application is submitted. The Graduate Record Examination (GRE) is not required. Applicants for this program enter in the summer term; they must attend on a full-time basis for three consecutive semesters.

MSAAD CURRICULUM

The program is viewed as a framework in which both academic and professional concerns are explored. A set of required studios and courses is enhanced by limited and open electives that are shared with other programs in the School and that promote intellectual cross-fertilization among disciplines. A required lecture course on the twentieth-century city and contemporary theory, exclusive to the program, provides grounding for architectural exploration in the studio. "Limited electives" are those School offerings designated as appropriate by the director. "Open electives" are graduate-level courses of the student's choice. Fall and spring studios are shared with final-year Master of Architecture students. In order to encourage the practical and conceptual integration of the computer in design work, AAD studios will take full advantage of the School's computer facilities.

Program Requirements

A minimum of 12 points must be taken each semester. Students are strongly advised to take one additional 3 or 4 point elective during each term. No extra tuition is charged between 15 and 19 points. Courses may be dropped until the tenth week into the semester for fall and spring terms. Summer courses may be dropped until two-thirds of the class meetings have been held.

Summer 2017

Advanced Architectural Design Studio	9 pts
Metropolis	3 pts
Arguments	3 pts
Total: 15 pts	

Fall 2017

Advanced Architectural Design Studio V	9 pts
History/Theory Elective	3 pts
GSAPP Visual Technology Elective	3 pts
Total: 15 pts	

Spring 2018

Advanced Architectural Design Studio VI	9 pts
Visual Technology Elective	3 pts
GSAPP Elective	3 pts
Total: 15 pts	

COURSES OF INSTRUCTION

Summer 2017

No.	Sec	TITLE	FACULTY	CATEGORY	REQUIREMENTS	DISTRIBUTION
No.	Sec	TITLE	FACULTY	CATEGORY	REQUIREMENTS	DISTRIBUTION
A4050		ARCH ELECTIVE INTERNSHIP	FRANCESCA FANELLI	INTERNSHIP	ELECTIVE	
A4402		METROPOLIS	ENRIQUE WALKER	LECTURE	AAD REQUIRED	HISTORY/THEORY
A4488		ARGUMENTS	ENRIQUE WALKER	LECTURE	AAD REQUIRED	HISTORY/THEORY
A4853	1	ADV ARCH TUTORIAL	ZIAD JAMELEDDINE	STUDIO	AAD REQUIRED	
A4853	2	ADV ARCH TUTORIAL	CRISTINA GOBERNA	STUDIO	AAD REQUIRED	
A4853	3	ADV ARCH TUTORIAL	ERIC BUNGE & MIMI HOANG	STUDIO	AAD REQUIRED	
A4853	4	ADV ARCH TUTORIAL	ANDRÉS JAQUE	STUDIO	AAD REQUIRED	
A4853	5	ADV ARCH TUTORIAL	NAHYUN HWANG & DAVID EUGIN MOON	STUDIO	AAD REQUIRED	
A4853	6	ADV ARCH TUTORIAL	DAN WOOD	STUDIO	AAD REQUIRED	
A4853	7	ADV ARCH TUTORIAL	MARINANA IBÁÑEZ	STUDIO	AAD REQUIRED	
A4853	8	ADV ARCH TUTORIAL	MARK RAKATANSKY	STUDIO	AAD REQUIRED	
A4853	9	ADV ARCH TUTORIAL	HILARY SAMPLE	STUDIO	AAD REQUIRED	
A4853	10	ADV ARCH TUTORIAL	KARLA ROTHSTEIN	STUDIO	AAD REQUIRED	
A6900		RESEARCH	DANIELLE SMOller	INDEP STUDY	ELECTIVE	

Fall 2017

No.	Sec	TITLE	FACULTY	CATEGORY	REQUIREMENTS	DISTRIBUTION
A4005		ADVANCED STUDIO V	ENRIQUE WALKER & JUAN HERREROS.	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	1	ADVANCED STUDIO V	LAURIE HAWKINSON	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	2	ADVANCED STUDIO V	BERNARD TSCHUMI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	3	ADVANCED STUDIO V	ANDRES JAQUE	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	4	ADVANCED STUDIO V	LAURA KURGAN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	5	ADVANCED STUDIO V	MABEL WILSON	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	6	ADVANCED STUDIO V	LISE ANNE COUTURE	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	7	ADVANCED STUDIO V	JIMENEZ LAI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	8	ADVANCED STUDIO V	JUNYA ISHIGAMI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	9	ADVANCED STUDIO V	DAVID BENJAMIN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	10	ADVANCED STUDIO V	RICHARD PLUNZ	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	11	ADVANCED STUDIO V	MARC TSURUMAKI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	12	ADVANCED STUDIO V	GIANCARLO MAZZANTI & CARLOS MEDELLIN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	13	ADVANCED STUDIO V	GREGG PASQUARELLI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	14	ADVANCED STUDIO V	VPPR- TATIANA VON PREUSSEN, JESSICA REYNOLDS, CATHERINE PEASE	STUDIO	REQUIRED 3RD YR MARCH + AAD	

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4105	15	ADVANCED STUDIO V	MICHAEL BELL	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	16	ADVANCED STUDIO V	DOMINIC & CHRISTOPHER LEONG	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	17	ADVANCED STUDIO V	MARK RAKATANSKY & OTERO-PAILOS	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4105	18	ADVANCED STUDIO V	ARINDAM DUTTA	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4050		ARCH ELECTIVE INTERNSHIP	FRANCESCA FANELLI	INTERNSHIP	ELECTIVE	
A4337		POLITICS OF SPACE	MARY MCLEOD	SEMINAR	ELECTIVE	HISTORY/THEORY- MODERN OR URBAN
A4420		COMPARATIVE CRITICAL ANALYSIS OF BUILT FORM	KENNETH FRAMPTON	SEMINAR	ELECTIVE	HISTORY/THEORY- MODERN
A4427		ARCHITECTURE APROPOS ART	STEVEN HOLL	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4429		STUDIES IN TECTONIC CULTURE	KENNETH FRAMPTON	LECTURE	ELECTIVE	HISTORY/THEORY- MODERN
A4469		THE HISTORY OF ARCHITECTURE THEORY	MARK WIGLEY	LECTURE	ELECTIVE	
A4476		SEEING ARCHITECTURE	LAURIE HAWKINSON	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4535		FUNDAMENTALS OF DIGITAL DESIGN:	JOHN CERONE & MARK GREEN	SEMINAR	ELECTIVE	COMPUTER
A4581		EXHIBITION HISTORIES, CURATING THEORIES	MARK WASIUTA	SEMINAR	ELECTIVE	HISTORY/THEORY- MODERN
A4598		MODERN HOUSING	GWEN WRIGHT	SEMINAR	ELECTIVE	HISTORY/THEORY-AMERICAN OR MODERN
A4620		BUILDING CHINA MODERN	AMY LEVYVELD	SEMINAR	ELECTIVE	HISTORY/THEORY- NON-WESTERN
A4625		MATERIALS OF HOUSING	BOB MARINO	SEMINAR	ELECTIVE	TECH
A4628		ACOUSTICS	RAJ PATEL	SEMINAR	ELECTIVE	TECH
A4684		SUSTAINABLE DESIGN	DAVIDSON NORRIS	SEMINAR	ELECTIVE	TECH
A4776		MAN, MACHINE AND THE INDUSTRIAL LANDSCAPE: RE-IMAGING THE RELATIONSHIP BETWEEN INDUSTRIAL AND PUBLIC TERRITORIES	SEAN GALLAGHER	SEMINAR	ELECTIVE	TECH
A4780		ARCH & HUMAN RIGHTS	FELICITY SCOTT	SEMINAR		HISTORY/THEORY- MODERN
A4781		SURFACE, SCREEN & STRUCTURE	JOE VIDICH & RETO HUG	SEMINAR	ELECTIVE	TECH
A4824		TRANSFORMABLE DESIGN METHODS	MATT DAVIS	SEMINAR	ELECTIVE	TECH
A4848		PLACE: PROJECTIVE LANDSCAPES AND COLLECTIVE ECOLOGIES	MARK BEARAK & DAVID BROWN	SEMINAR	ELECTIVE	TECH
A4851		TECHNOLOGY IN TRANSITION: DISRUPTION & INNOVATION IN ARCHITECTURE	CRAIG SCHWITTER	SEMINAR	ELECTIVE	TECH
A4856		TRANSITIONAL GEOMETRIES	TREVOR WATSON	SEMINAR	ELECTIVE	TECH
A4862		WIRED SKIN	TODD DALLAND, ROBERT LERNER, COLIN TOUEY	SEMINAR	ELECTIVE	TECH
A4866		MODERNISM AND THE VERNACULAR	MARY MCLEOD	SEMINAR	ELECTIVE	HISTORY/THEORY- MODERN OR NON-WESTERN
A6455		FOREIGNERS IN THE EUROPEAN CITY 15TH -18TH CENTURY	VICTORIA SANGER	SEMINAR	ELECTIVE	HISTORY/THEORY- PRE-1750
A6752		AGE OF THE ARCHITECT	TROY THERRIEN	SEMINAR	ELECTIVE	DESIGN SEMINAR
A6756		MAKE	ADA TOLLA & GIUSEPPE LIGNANO	WORKSHOP	ELECTIVE	VISUAL STUDIES

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A6761		TRANS-RURAL AMERICA	ANDRES JAQUE	SEMINAR	ELECTIVE	DESIGN SEMINAR
A6769		HISTORIES OF AMERICAN CITIES	GWEN WRIGHT	LECTURE	ELECTIVE	HISTORY/THEORY-AMERICAN OR URBAN
A6794		ARCHITECTURE IN PRINT	JAMES GRAHAM	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A6797		ECHOING BORDERS: THE PRODUCTION OF SPACE WITHIN NEW PARADIGMS OF CITIZENSHIP	NORA AKAWI & KHALED MALAS	SEMINAR	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A6801		STRUCTURAL DARING & THE SUBLIME IN PRE MODERN ARCHITECTURE	RORY O'NEILL	SEMINAR	ELECTIVE	HISTORY/THEORY-PRE-1750
A6806		BUILDING ISLAM, A BRIEF HISTORY OF THE MOSQUE & OTHER STRUCTURES	ZAID JAMALEDDINE	SEMINAR	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A6813		RADICAL FUNCTIONALISM IN LATIN AMERICA	LUIS CARRANZA	SEMINAR	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A6900		RESEARCH I	DANIELLE SMOller	INDEP STUDY	ELECTIVE	
A4122		MAPPING FOR ARCHITECTURE URBANISM AND HUMANITIES	MICHELLE MCSWEENEY	SEMINAR	ALL GSAPP ELECTIVE	VISUAL STUDIES, INTERDISC
A4534		TECHNIQUES OF THE ULTRREAL	JOE BRENNAN AND PHILIP CRUPI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4612		ARCHITECTURAL PHOTOGRAPHY	ERIETA ATTALI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4715		RE-THINKING THE BIM	BRAIN LEE & JOHN LEE	SEMINAR	ELECTIVE	VISUAL STUDIES
A4716-001	1	GRAPHIC ARCHITECTURE PROJECT I: DESIGN AND TYPOGRAPHY	YOONJAI CHOI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4726		GRAPHIC ARCHITECTURE PROJECT III: DESIGN SEMINAR	MICHAEL ROCK & LEIGHA DENNIS	SEMINAR	ELECTIVE	VISUAL STUDIES
A4778		META TOOL I	DAN TAEYOUNG LEE	SEMINAR	ELECTIVE	VISUAL STUDIES
A4808		META TOOL II	DAN TAEYOUNG LEE	SEMINAR	ELECTIVE	VISUAL STUDIES
A4815		X INFORMATION MODELING I	LUC WILSON	SEMINAR	ELECTIVE	VISUAL STUDIES
A4829		X INFORMATION MODELING II	LUC WILSON	SEMINAR	ELECTIVE	VISUAL STUDIES
A4832		LINES NOT SPLINES: DRAWING AS INVENTION	CHRISTOPH KUMPUSCH	SEMINAR	ELECTIVE	VISUAL STUDIES
A4834		DATAMINING THE CITY	VIOLET WHITNEY	SEMINAR	ELECTIVE	VISUAL STUDIES
A4836		DATAMINING THE CITY II	VIOLET WHITNEY	SEMINAR	ELECTIVE	VISUAL STUDIES
A4945		PLAY	FARZIN LOTFI-JAM	SEMINAR	ELECTIVE	VISUAL STUDIES
A4951		COMPOSITE MODELLING	JOSHUA JORDAN & JACKIE MARTINEZ	SEMINAR	ELECTIVE	VISUAL STUDIES
A4968		TOOLS FOR SHOW : READY FOR REPLICAS	BIKA REBEK	SEMINAR	ELECTIVE	VISUAL STUDIES
A4969		TOOLS FOR SHOW : POTENT PROTOTYPES	BIKA REBEK	SEMINAR	ELECTIVE	VISUAL STUDIES
A4973		STILL LIFE ARCHITECTURAL ILLUSTRATION: PHOTOGRAPHY OF MODELS	JAMES EWING	SEMINAR	ELECTIVE	VISUAL STUDIES
PLA4577		INTRO TO GIS	LEAH MEISTERLIN	LECTURE	UP REQUIRED 1ST YR	VISUAL STUDIES
A4890		CONFLICT URBANISM: INFRA POLITICS	LAURA KURGAN	SEMINAR	ALL GSAPP ELECTIVE, GSAS	HISTORY/THEORY-URBAN, INTERDISC
A6776		EMERGENT CULTURE: PRODUCTION AND STRATEGIES	KAREN WONG	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A6785		THEORY OF CITY FORM	VISHAAN CHAKRABARTI	SEMINAR	ALL GSAPP ELECTIVE	HISTORY/THEORY-URBAN, INTERDISC
A4122		MAPPING FOR ARCHITECTURE URBANISM AND HUMANITIES	MICHELLE MCSWEENEY	SEMINAR	ALL GSAPP ELECTIVE, GSAS	VISUAL STUDIES, INTERDISC

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4890		CONFLICT URBANISM: INFRA POLITICS	LAURA KURGAN	SEMINAR	ALL GSAPP ELECTIVE, GSAS	HISTORY/THEORY- URBAN, INTERDISC
A6776		EMERGENT CULTURE: PRODUCTION AND STRATEGIES	KAREN WONG	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A6785		THEORY OF CITY FORM	VISHAAN CHAKRABARTI	SEMINAR	ALL GSAPP ELECTIVE	HISTORY/THEORY- URBAN, INTERDISC

Spring 2018

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4006		ADVANCED STUDIO VI	JUAN HERREROS	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	1	ADVANCED STUDIO VI	MARIO GOODEN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	2	ADVANCED STUDIO VI	STEVEN HOLL + DIMITRA TSACHRELIA	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	3	ADVANCED STUDIO VI	MARK WASIUTA	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	4	ADVANCED STUDIO VI	GALIA SOLOMONOFF	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	5	ADVANCED STUDIO VI	ENRIQUE WALKER	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	6	ADVANCED STUDIO VI	JING LIU	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	7	ADVANCED STUDIO VI	LAURIE HAWKINSON	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	8	ADVANCED STUDIO VI	SARAH DUNN + MARTIN FELSEN	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	9	ADVANCED STUDIO VI	MICHAEL BELL	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	10	ADVANCED STUDIO VI	KERSTEN GEERS	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	11	ADVANCED STUDIO VI	POINT SUPREME -KONSTANTINOS PANTAZIS AND MARIANNA RENTZOU	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	12	ADVANCED STUDIO VI	ADA TOLLA & GIUSEPPE LIGNANO	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	13	ADVANCED STUDIO VI	JUAN HERREROS	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	14	ADVANCED STUDIO VI	TATIANA BILBAO	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	15	ADVANCED STUDIO VI	HILARY SAMPLE	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	16	ADVANCED STUDIO VI	UMBERTO NAPOLITANO + YAN ROCHE	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	17	ADVANCED STUDIO VI	JULIAN ROSE & GARRITT RICCIARDI	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4106	18	ADVANCED STUDIO VI	LAUREL BROUGHTON	STUDIO	REQUIRED 3RD YR MARCH + AAD	
A4050		ARCH ELECTIVE INTERNSHIP	FRANCESCA FANELLI	INTERNSHIP	ELECTIVE	
A4059		CLIMATE CHANGE + GLOBAL CITIES	MICHAEL KIMMELMAN	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A4064		INFORMAL URBANISMS: INCREMENTALISM AND CITIZEN PARTICIPATION IN THE BUILT ENVIRONMENT	CASSIM SHEPARD	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A4066		QUALITY CONTROL: ARCHITECTURE AND STANDARDIZATION	NADER VOSSOUGHIAN	SEMINAR	ELECTIVE	HISTORY/THEORY- MODERN
A4332		EUROPEAN URB CARTOGRAPHY 16TH-19TH CENT.	VICTORIA SANGER	LECTURE	ELECTIVE	HISTORY/THEORY- PRE-1750

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4352		EVENTS IN MODERN ARCHITECTURE 1850-PRESENT EXHIBITIONS	MARY MCLEOD	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4383		GUMBO YA-YA: AFRICAN AMERICAN CULTURE AS A PRACTICE MODEL.	SHARON SUTTON	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4384		ART AND SOCIAL INFRASTRUCTURE	GALIA SOLOMONOFF	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4385		ARAB MODERNISM(S): EXPERIMENTS IN HOUSING, 1945-PRESENT	YASSER ELSHESHTAWY	LECTURE	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A4388		PLASTIC MODERNITY: ART, SCULPTURE, AND CINEMA IN LATIN AMERICAN ARCHITECTURE	LUIS CARRANZA	LECTURE	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A4390		GREATS: CHINA'S BIG PROJECTS 1949-1980	AMY LELYFELD	SEMINAR	ELECTIVE	HISTORY/THEORY-NON-WESTERN
A4397		SPECULATIVE CITY, CRISIS, UNCERTAINTY AND PROJECTIONS IN ARCHITECTURE	DAVID EUGIN MOON	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4408		PHILOSOPHY OF ARCHITECTURE	KENNETH FRAMPTON	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4427		ARCHITECTURE APROPOS ART	STEVEN HOLL + DIMITRA TSACHRELIA	SEMINAR	ELECTIVE	DESIGN SEMINAR
A4552		DARK SPACE: ARCHITECTURE REPRESENTATION & BLACK IDENTITY	MARIO GOODEN	SEMINAR	ELECTIVE	HISTORY/THEORY-AMERICAN OR MODERN
A4597		EXTREME DESIGN	MARK WIGLEY	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4634		ADVANCED CURTAIN WALL	ROBERT HEINTGES + DANIEL VOS	SEMINAR	ELECTIVE	TECH
A4635		ARCHITECTURAL DAYLIGHTING	DAVIDSON NORRIS	SEMINAR	ELECTIVE	TECH
A4642		CONTESTED GROUNDS: THE SPATIAL POLITICS OF MEMORY	MABEL WILSON	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4648		BEYOND BEAUTY	MARY MCLEOD	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4656		FAST PACE/ SLOW SPACE	BEARAK + BORDERS	SEMINAR	ELECTIVE	TECH
A4678		DESIGNING FOR ZERO: HOUSING, MOBILITY, ENERGY	MICHAEL BELL	SEMINAR	ELECTIVE	HISTORY/THEORY-URBAN
A4686		ASSEMBLING ALL SORTS	RYAN JOHNS	SEMINAR	ELECTIVE	TECH
A4694		READING BUILDINGS, WRITING BUILDINGS	MARK RAKATANSKY	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A4696		ADV PROFESSIONAL PRACTICE	ROBERT HERRMANN	LECTURE	ELECTIVE	PRO PRACTICE
A4701		INNOVATION, TECHNOLOGY AND ARCHITECTURE	LISE ANNE COUTURE	SEMINAR	ELECTIVE	TECH
A4707		ADVANCED MODELS IN ARCHITECTURAL SIMULATION	MARK COLLINS AND TORU HASEGAWA	SEMINAR	ELECTIVE	TECH
A4800		MATERIAL THINGS	JOSHUA JORDAN	SEMINAR	ELECTIVE	TECH
A4846		SUPER-TALL	NICOLE DOSSO	SEMINAR	ELECTIVE	TECH
A4856		TRANSITIONAL GEOMETRIES	TREVOR WATSON	SEMINAR	ELECTIVE	TECH
A4858		DETAIL: CRAFT IN PRACTICE	TREVOR WATSON + PAUL SANDERSON	SEMINAR	ELECTIVE	TECH
A4869		BOOKS, FIGURES, OBJECTS	HILARY SAMPLE	SEMINAR	ELECTIVE	DESIGN SEMINAR
A6448		DESIGN THEORIES	ENRIQUE WALKER	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A6460		ARCHITECTURE, THE FREE MARKET AND THE DEGRADATION OF CIVIC SPACE	NICOLAI OUROUSOFF	SEMINAR	ELECTIVE	HISTORY/THEORY-MODERN
A6804		GLOBAL STREET DESIGN	SKYE J DUNCAN + ANKITA CHACHRA	SEMINAR	UD REQUIRED	

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A6718		BUILDINGS AND MATERIALS: ARCHITECTURAL HISTORIES OF RESOURCES	JONAH ROWEN	SEMINAR	ELECTIVE	HISTORY/THEORY- MODERN OR NON-WESTERN
A6901		RESEARCH II	DANIELLE SMOller	INDEP STUDY	ELECTIVE	
A4534		TECHNIQUES OF THE ULTRAREAL	JOSEPH BRENNAN AND PHILLIP CRUPI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4676		ARCHITECTURAL PHOTOGRAPHY	ERIETA ATTALI	SEMINAR	ELECTIVE	VISUAL STUDIES
A4715	1	RE-THINKING BIM	JOHN LEE AND BRIAN LEE	SEMINAR	ELECTIVE	VISUAL STUDIES
A4716		GRAPHIC ARCHITECTURE PROJECT I: DESIGN AND TYPOGRAPHY	YOUNJAI CHOI & KEN MEIER	SEMINAR	ELECTIVE	VISUAL STUDIES
A4726		GRAPHIC ARCHITECTURE PROJECT II: DESIGN SEMINAR	MICHAEL ROCK & WHITNEY DOW?	SEMINAR	ELECTIVE	VISUAL STUDIES
A4793		APP- ITECTURE	TORU HASEGAWA + MARK COLLINS	SEMINAR	ELECTIVE	VISUAL STUDIES
A4841		URBANISMS & ALGORITHMS I	LUC WILSON	SEMINAR	ELECTIVE	VISUAL STUDIES
A4845		GENERATIVE DESIGN I	DANIL NAGY	SEMINAR	ELECTIVE	VISUAL STUDIES
A4894		USER-CENTERED DESIGN FOR EMERGING DIGITAL-PHYSICAL ENVIRONMENTS	AGNES CHANG	SEMINAR	ELECTIVE	VISUAL STUDIES
A4063		POINTS UNKNOWN: CARTOGRAPHIC NARRATIVES	GRGA BASIC + MICHAEL KRISCH	SEMINAR	ALL GSAPP ELECTIVE	VISUAL STUDIES, INTERDISC
A4892	1	DATA VISUALIZATION FOR ARCHTECTURE, URBANISM AND THE HUMANITIES	JUAN FRANCISCO SALDARRIAGA	SEMINAR	ALL GSAPP ELECTIVE, GSAS	INTERDISC
A4892	2	DATA VISUALIZATION FOR ARCHTECTURE, URBANISM AND THE HUMANITIES	AGNES CHANG	SEMINAR	ALL GSAPP ELECTIVE, GSAS	INTERDISC
A4063		POINTS UNKNOWN: CARTOGRAPHIC NARRATIVES	GRGA BASIC + MICHAEL KRISCH	SEMINAR	ALL GSAPP ELECTIVE	VISUAL STUDIES, INTERDISC
A4892		DATA VISUALIZATION FOR ARCHTECTURE, URBANISM AND THE HUMANITIES	JUAN FRANCISCO SALDARRIAGA	SEMINAR	ALL GSAPP ELECTIVE, GSAS	INTERDISC

MASTER OF SCIENCE DEGREE IN ARCHITECTURE AND URBAN DESIGN

DIRECTOR: Kate Orff

ASSISTANT DIRECTOR: David Smiley

THE PROGRAM

The Urban Design Program is focused on the city as an agent of resilient change and on the role of design in redefining the 21st century urban landscape. The program advances new paradigms of research, practice and pedagogy to meet the urgent challenges of rapid urbanization, the increasing threats of climate change and social inequality. Students and faculty in the Program aim to integrate the essential links between public space, social justice and ecological systems. We ask the venerable and necessarily shifting question: what is "the good city?"

Global shifts in the climate system require resetting the paradigms that have guided urban growth for centuries. The Program frames the city not as a fixed, delineated territory—a modernist fixation on boundaries—but instead as a gradient of varied landscapes supported by networks of food, energy, resources, culture, transportation and capital. In this light, the historical terms urban, rural or suburban are no longer sufficient to address the "wicked problem" of climate change. Program work stresses near and long term threats to local, regional and global ecosystems, framing urban design as both an inclusive, activist, tools-based project for specific sites and communities and as a critical project examining urban form, knowledge and research processes.

Students and faculty work together over a series of three intensive semesters to weave a multi-scalar analysis of urban-regional fabrics and infrastructures with on-the ground, detailed studies of places and lived conditions. New York City serves as a primary initial case study for a design methodology; the scope expands in the second semester to regional research about New York and other American city-regions and concludes in the final semester with investigations in emerging global capitals and agglomerations in Asia, Africa, and South America.

ADMISSIONS

Applications are due January 15. All applicants for admission to the program must have a B.Arch. or M.Arch. degree or the equivalent. In addition to the application form and required supporting documents, applicants must upload a portfolio containing examples of their architectural designs, particularly from the last two years of undergraduate training. The portfolio must be a PDF (20 pages or less - including covers; not to exceed 32 MB) of your portfolio to the online application. Portfolios must be uploaded when the application is submitted. The Graduate Record Examination (GRE) is not required. Applicants for this program enter in the summer term; they must attend on a full-time basis for three consecutive semesters.

MSAUD CURRICULUM

The curriculum exploits the pedagogic potential of the design studio as a site of research, visionary speculation and critical inquiry. The Urban Design curriculum broadly integrates a range of interdisciplinary expertise, internal to Columbia University—such as the School of Public Health, the Earth Institute, and the School of Engineering—and external to the school, through regular engagement with governmental and non-governmental agencies, institutions and organizations.

Across the three semesters of the program, work ranges from site formation and policy, to visualization, and documentation of lived spatial and social conditions. Research, assignments and deliverables seek forms of mediation and action to address the challenges of global and local change. The sequencing of three studios builds a shared understanding of urban theories and terms, design tools, and research methods essential to urban design thought and practice. The collaborative studio setting enables a synthetic approach to design that weaves together environment, systems, and planning.

Studios

Throughout the studio sequence, projects emphasize a multi-scalar approach to site and program, embracing local, regional, and global scales and advancing the role of the urban designer as a catalytic and thoughtful practitioner who can place herself among diverse actors, existing conditions, and imagined futures.

Studio I

The Summer Studio I is foundational, addressing experimental, representational and constructive aspects of urban design as a process. The studio frames the Five Boroughs of New York City as a learning lab, examining biophysical infrastructures, conflicting public and private interests, and ongoing socio-spatial change.

Studio II

The Fall Studio II expands in scope to consider the city-region, examining large scale interdependencies and interactions. Studio research addresses the particular conditions of American city-regions (currently, the Hudson Valley) in which shifting ecological, topographical, infrastructural, demographic and social conditions call for new strategies for systemic action.

Studio III

The final Spring Studio III takes on problems of global urbanization, extending previous work on variously-scaled physical and social infrastructures, programmatic interventions and community partnerships. The studio typically travels to two cities, working in close cooperation with local partners and organizations.

Program Requirements

The M.S. in Architecture and Urban Design degree requires a minimum of 45 points in the curriculum. Students must take one 3-point elective during the Fall OR Spring Semesters, however, it is strongly recommended that students take one 3-point elective during BOTH Fall and Spring Semesters

Summer

Urban Design Studio I	9 pts
Digital Techniques for Urban Design	3 pts
Urban Design Seminar IA	3 pts
Urban Design Seminar IB	3 pts
Total: 18 pts	

Fall

Urban Design Studio II	9 pts
Urban Design Seminar II A or II B or II C	3 pts
Optional Elective	3 pts
Total: 15 pts	

Spring

Urban Design Studio III	9 pts
Urban Design Seminar III A or III B or III C	3 pts
Optional Elective	3 pts
Total: 15 pts	

Note: Students are advised to take one additional 3- or 4- point elective during each term. No extra tuition is charged between 15 and 19 points. Students requiring an introduction to computer modelling and multimedia techniques will be required to register for Architecture A4528 - Digital Modeling for Urban Design in the summer term.

Criteria for Academic Standing: In order to remain in good academic standing, students enrolled in the Master of Science in either Advanced Architectural Design or Architecture

and Urban Design may receive no more than two LP's in the Design Sequence, and no more than three LP's in the entire program. This means that any course which receives a grade of Low Pass in excess of the above must be successfully repeated with a minimum grade of Pass.

COURSES OF INSTRUCTION

Summer 2017

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4528		DTEQ/DIGITAL TECHNIQUES	KYLE HOVENKOTTER, COORDINATOR	SEMINAR	UD REQUIRED	
A4685		URBAN THEORY + DESIGN IN POST INDUSTRIAL AGE	NOAH CHASIN & ANTHONY ACCIAVATTI	SEMINAR	UD REQUIRED	
A6824		READING NY URBANISM	CASSIM SHEPARD	SEMINAR	UD REQUIRED	
A6849		URBAN DESIGN STUDIO	KAJA KUHL ET AL	STUDIO	UD REQUIRED	
A6855		UD IND STUDIO		STUDIO	UD REQUIRED	
A6864		UD SEMINAR	ANTHONY ACCIAVATTI	SEMINAR	UD REQUIRED	

Fall 2017

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A6783		NARRATIVE URBANISM: STRATEGIC STORYTELLING FOR DESIGNERS AND PLANNERS	CASSIM SHEPERD	SEMINAR	ALL GSAPP ELECTIVE	VISUAL STUDIES, INTERDISC
A6783		NARRATIVE URBANISM: STRATEGIC STORYTELLING FOR DESIGNERS AND PLANNERS	CASSIM SHEPERD	SEMINAR	ALL GSAPP ELECTIVE	VISUAL STUDIES, INTERDISC
A6830		URBAN SEMINAR I	DAMON RICH	SEMINAR	UD REQUIRED	
A6832		URBAN SEMINAR II	KATE ORFF	SEMINAR	UD REQUIRED	
A6837		URBAN SEMINAR III	RICHARD PLUNZ	SEMINAR	UD REQUIRED	HISTORY/THEORY-URBAN
A6850		URBAN DESIGN STUDIO II	ALTMAN, SMILEY, MURPHY, ET AL	STUDIO	UD REQUIRED	
PLA4578	4	INTRO TO GIS LAB FOR ARCH & UD	GRGA BASIC	TUTORIAL	ELECTIVE	VISUAL STUDIES

Spring 2018

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A6814		NEW TOWNS TO SMART CITIES	DAVID SMILEY	SEMINAR	ALL GSAPP ELECTIVE	HISTORY/THEORY-URBAN, INTERDISC
A4059		CLIMATE CHANGE + GLOBAL CITIES	MICHAEL KIMMELMAN	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A4064		INFORMAL URBANISMS: INCREMENTALISM AND CITIZEN PARTICIPATION IN THE BUILT ENVIRONMENT	CASSIM SHEPARD	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A4135		URBAN ECOLOGY AND DESIGN	MATT PALMER + GENA WIRTH	SEMINAR	ALL GSAPP ELECTIVE	INTERDISC
A4688		PUBLIC SPACE AND RECOMBINANT URBANISM	GRAHAME SHANE	SEMINAR	UD REQUIRED	
A6851		URBAN DESIGN STUDIO III	KATE ORFF	STUDIO	UD REQUIRED	

MASTER OF SCIENCE IN CRITICAL, CURATORIAL, AND CONCEPTUAL PRACTICES IN ARCHITECTURE (MSCCCP)

CO-DIRECTOR: Felicity D. Scott

CO-DIRECTOR: Mark Wasiuta

THE PROGRAM

The Masters of Science in Critical, Curatorial, and Conceptual Practices in Architecture is designed to offer advanced training in the fields of architectural criticism, publishing, curating, exhibiting, writing, and research through a two-year, full-time course of intensive academic study and independent research.

The program recognizes that architectural production is multi-faceted and diverse and that careers in architecture often extend beyond traditional modes of professional practice and academic scholarship, while at the same time reflecting and building upon themes of post-industrial development and indeed, of post-urban sensibility relative to traditional Euro-American settlement norms.

Applicants might be seeking further academic training or specialization after a professional degree or years of teaching, or even at mid-career. They might also have worked in a related field and be seeking an academic forum to develop additional specializations in architecture. The program also provides the highest level of preparatory training for application to Ph.D. programs in architectural history and theory.

The CCCP program is structured to reflect this heterogeneity and the multiple sites and formats of exchange through which the field of architecture operates while at the same time sponsoring the ongoing critical development and interaction of such a matrix of practices and institutions.

The program's emphasis is thus on forging new critical, theoretical, and historical tools, and producing new and rigorous concepts and strategies for researching, presenting, displaying, and disseminating modern and contemporary architecture and closely related fields. The program is aimed primarily at those with a background in architecture who wish to advance and expand their critical and research skills in order to pursue professional and leadership careers as architectural critics, theorists, journalists, historians, editors, publishers, curators, gallerists, institute staff and directors, teachers, and research-based practitioners. Applicants might be seeking further academic training or specialization after a professional degree or years of teaching, or even at mid-career. They might also have worked in a related field and be seeking an academic forum to develop additional specializations in architecture. The program also provides the highest level of preparatory training for application to Ph.D. programs in architectural history and theory.

The CCCP program includes a mixture of required core colloquia, elective lectures, and seminars, and it culminates in the preparation of an independent thesis under the supervision of an advisor from the Graduate School of Architecture, Planning and Preservation. This can take the form of: a written thesis on a historical or theoretical topic; a portfolio of critical writings; a print-based demonstration and visualization of rigorous, original research, or; it can involve the conceptualization, design, and a detailed prospectus and documentation for, or even production of (where feasible), an exhibition, publication, institute, major event, web-based initiative, time-based project, etc. The Columbia GSAPP faculty is unparalleled in offering a wide-range of expertise in the history, theory, and criticism of architecture, urban design, landscape, preservation, and spatial politics as well as in the conceptualization and production of publications and exhibitions.

ADMISSIONS

Applications are due January 15. All applicants for admission to the program must have a minimum of a four year bachelor degree or equivalent, including no less than 4 classes in architecture, architectural history, or a related form of aesthetic or cultural practice. Applicants who do not hold a B.Arch or M.Arch degree or the equivalent should demonstrate a substantive interest in architecture and/or urbanism through providing evidence of work in either history, theory, criticism, research, design, or curatorial practice. This can take the form of written documents or a visual portfolio. Visual acuity and interest in undertaking independent research and original projects are crucial for all applicants and submission of a portfolio of writing or visual material is strongly encouraged. Submission of a CV is also optional with the application.

Applicants for this program enter in the fall term; they must attend on a full-time basis for four consecutive semesters.

MSCCCP CURRICULUM

The M.S. degree requires 48 points of credit (10, three point classes plus the completion of two semesters of 9 credit M.S. thesis). Students must enroll in 12 points min. each semester.

Required courses: In their first year, students are required to take both semesters of the specialized CCCP Colloquium. The Fall Colloquium addresses the critical formulation, history, and legacy of a range of seminal architectural writings, publications, conferences, and exhibitions as well as investigating their institutional, social, and political context. The Spring Colloquium is an advanced methods course focused on contemporary modes of theoretical, critical, and historical research and scholarship and their relation to practice. Its primary aim is to provide students with an understanding of the contemporary state of the discipline of architecture and its modes of interrogation as well as with further

intellectual tools through which to situate their own research. While both colloquia are under the direction of an individual faculty member, they may also include guest speakers addressing aspects of their own practice. Together these colloquia provide a focused forum for the critical examination of a range of architectural practices and debates and for ongoing discussion regarding the students' own development of strategies of research, writing, publication, and exhibition.

In the second year students are required to enroll in CCCP Thesis I (Research) in the Fall and CCCP Thesis II (Writing/Production) in the Spring. These are the primary forums for development of and feedback on the students' independent research and are under the direction of a primary advisor, with whom students should meet at regular intervals during both semesters to discuss progress on their work.

Elective courses: In addition to required classes, students take a mixture of lecture and seminar courses offered by the GSAPP. Students who do not have extensive background in architecture may be advised or even required to enroll in specific lecture classes. Up to two elective classes can be taken in departments outside the GSAPP and up to two can be taken as independent studies. Electives can also be satisfied by working on a project with the Department of Publications or Department of Exhibitions, with the Temple Hoyne Buell Center for American Architecture, or with one of the many Labs and Experimental Units at the GSAPP, subject to project approval both by those directors and the director of the CCCP program.

Of the ten courses required to complete the degree, students usually complete eight courses in the first year, including the two colloquia, four seminars, and two lectures. The second year typically includes two additional elective courses, either lectures or seminars, in addition to registering for the two CCCP Thesis courses.

Thesis: The thesis is typically undertaken under the supervision of a GSAPP faculty member. In special cases, and subject to approval by the program director, a student's thesis can be supervised by an appropriate outside specialist relevant to their project, such as a curator or editor. Second year students make a presentation of their thesis research to GSAPP faculty and invited guests at the end of the Fall semester and defend their Thesis in a public review format at the end of the Spring semester.

Program Requirements

Semester 1 (Fall)

Colloquium I: Operating Platforms	3 pts
3 Electives	9 pts
Total: 12 pts	

Semester 2 (Spring)

Colloquium II: Documents and Discourse	3 pts
Electives	9 pts
Total: 12 pts	

Semester 3 (Fall)

Thesis I	9 pts
Electives	3 pts
Total: 12 pts	

Semester 4 (Spring)

Thesis II	9 pts
Electives	3 pts
Total: 12 pts	

Resources

Students are able to draw on the remarkable faculty, research, publication, public programming, and exhibition resources at the Graduate School of Architecture, Planning and Preservation. The Avery Library is one of the premier architectural libraries in the world and the Arthur Ross Architecture Gallery has been forging an important paradigm of archive-based exhibitions. Other primary resources include the Department of Publications, the Temple Hoyne Buell Center for the Study of American Architecture, and the many Labs and Experimental Units associated with the school that are working

In fields as diverse as experimental publication, spatial information design, responsive systems, infrastructure and poverty action, landscape, networks, memory, and more.

Students are expected to take advantage of the extensive programs of lectures, panel discussions, symposia, exhibitions, and other events that form a key part of the curriculum at the school. Visiting workshops will also be led by leading practitioners in the fields of the publication, criticism, and exhibition of architecture, urbanism, and landscape. In addition to course offerings at the GSAPP, students are able to enroll in classes in other parts of the university including the Graduate School of Arts and Sciences, the School of the Arts, and the School of International and Public Affairs, subject to approval by the professor. Other schools also have extensive public programs. Beyond this, New York City offers unequalled resources for the study of architecture, museums, galleries, and the urban environment, including: the Museum of Modern Art (MoMA), The Storefront for Art and Architecture, The Van Alen Institute, Artists Space, Max Protetch Gallery, Common Room, Ludlow 38, the Center for Urban Pedagogy, The Architects Newspaper, and other museums, galleries, and publishing houses in New York. The GSAPP also has close relations with a national and international network of affiliated museums, galleries and publications including the Canadian Center for Architecture (CCA) in Montreal, Centres Georges Pompidou in Paris, The Center for Land Use Interpretation in Los Angles, San Francisco Museum of Modern Art, ACTAR Editorial, Domus, Abitare, and others.

Other

This is a non-professional degree, and does not satisfy requirements for the professional licensing exam.

THE PH.D. PROGRAM IN ARCHITECTURE (HISTORY AND THEORY)

DIRECTOR: Felicity Scott

Ph.D. COMMITTEE: Barry Bergdoll (Art History)
Kenneth Frampton
Mary McLeod
Jorge Otero-Pailos
Felicity Scott
Mark Wigley
Mabel Wilson
Gwendolyn Wright

AFFILIATED FACULTY: Robert Beauregard
David Smiley

THE PROGRAM

The Ph.D. program in architecture is oriented toward the training of scholars in the field of architectural history and theory. Its structure reflects a dual understanding of the scholar's role in the discipline at large: as a teacher and as a researcher making an original contribution to the field, with an emphasis on expanding and reinterpreting disciplinary knowledge in a broad intellectual arena. Course requirements are therefore designed to give entering students a solid foundation in historical knowledge and theoretical discourse, with sufficient flexibility to allow the initiation and pursuit of individual research agendas. The program's focus is on the history and theory of modern and contemporary architecture and urbanism in an international and cross-cultural context, from the mid-eighteenth century to the present. Within this, a wide range of research is supported through the varied expertise of the faculty and through strong relationships with other departments throughout the University and beyond.

ADMISSIONS

Eligibility for admission to the program is generally limited to students holding a Master of Architecture degree or a five-year Bachelor of Architecture degree plus a Master's degree (or equivalent) in the field of architectural history and theory. Under certain circumstances, students who hold a Master's degree or equivalent in another field are considered for admission.

All prospective students must apply using the online application. Printed applications are not available.

A complete application includes:

Transcripts of all previous post-secondary education

A statement of academic purpose

A curriculum vitae or résumé

Three letters of recommendation from academic sources

For international students: Examination scores to fulfill the English Proficiency Requirement

A sample of scholarly writing, 30 pages

Payment of the application fee

MASTER OF SCIENCE DEGREE IN URBAN PLANNING (MSUP)

DIRECTOR: Weiping Wu

PROGRAM MANAGER: Margaret Wiryaman

THE PROGRAM

The Columbia University Master of Science in Urban Planning is an accredited two-year program of professional education. Actively engaged in practice, our curriculum connects the study of the urban built environment with grounded analysis of socio-economic and political conditions. We explore the tensions between market forces, civil society, and the goals of planning, paying special attention to the role of urban analytics and the quest for social justice. Students learn to evaluate and shape efforts to develop and enhance cities and their communities in ways that foster healthy and sustainable living.

Located in New York City, our program promotes a global outlook. We look to planning issues locally and internationally for studio projects, classroom case studies, and thesis research. By studying the impact of global linked processes (e.g. immigration and climate change) as well as local conditions on cities and communities, we think creatively about planning and policy approaches to improve processes and outcomes in cities around the world.

Planning education promotes the redistribution of resources and social justice in cities as much as the creation of wealth. Our students connect challenges of urban development, sustainability and equity with the political and socioeconomic conditions that define them. They learn to engage and assess the increasing abundance and availability of data to address urban problems and inform planning efforts. Throughout the curriculum, the emphasis is on real-world problems and how planners can act to improve the lives of urban residents.

Being part of GSAPP, our program connects with design, preservation, and real estate faculty and professionals to add to ideas and techniques developed by planners and social activists. We also offer a range of curriculum and dual-degree options within and beyond GSAPP for students interested in additional content expertise and skills. Our graduates work in critical and leading roles in government, private firms, nonprofit organizations, advocacy groups, multilateral institutions, and international NGOs.

ADMISSIONS

Applications are due January 15th. The master's program prepares students from diverse academic backgrounds for careers as professional planners. Applicants typically, but not exclusively, have majored in architecture, engineering, sociology, political science, geography, economics, or urban studies; many also come from backgrounds in

the humanities and pure sciences.

The admissions committee reviews all applicants comprehensively, considering their undergraduate academic achievements, personal statement, and related experiences. All applicants are required to take the Aptitude Test of the Graduate Record Examination (GRE). Information may be obtained from the Graduate Record Examination, Educational Testing Service, Box 955, Princeton, NJ 08540 (Website: www.gre.org/atglance.html).

MSUP CURRICULUM

The faculty shares a core pedagogic belief that the best professional education takes place in an environment of learning by doing, reinforced by classroom work and group projects. Planners must have a thorough understanding of the economic, social, political, legal, and physical forces that shape the built environment.

Curriculum offerings equip students with familiarity with the range of analytic and research techniques used by planners, practical skills through a semester-long studio project and other class projects, and competency in both general and specialized knowledge of planning. Students are required to choose at least one concentration area among four options: Built Environment, Community and Economic Development, International Planning and Development, and Urban Analytics. Students take a minimum of four courses and 12 points in a concentration.

Studios

In the Urban Planning studio, there is a real client with a real-world issue that will be analyzed by students working as a team under the direction of faculty. The deliverables that results will reflect critical analysis of socioeconomic, environmental, and political conditions as well as stakeholder engagement, and encourage students to consider "best practices" in planning and innovative thinking. Studio takes place in the spring of the students' first year, and is thus not a "capstone" project but a way of integrating classroom learning with practical experience early in the students' education.

Program Requirements

M.S. in Urban Planning: 27 points in required courses, and 33 points in a concentration (at least 12 points) and electives of students' own choosing. Students may take courses offered in the Urban Planning Program; the School of Architecture, Planning and Preservation; or other departments and schools at Columbia to fulfill some or all of their elective requirements. Each student is required to write a Master's thesis during the second year of study.

Semester 1 (Fall)

History and Theory of Planning	3 pts
Geographic Information Systems	3 pts
Planning Methods	3 pts
Electives/ Concentration Courses	6+ pts
Total: 15 - 19 pts	

Semester 2 (Spring)

Economics for Planners	3 pts
Planning Law	3 pts
Planning Studio	6 pts
Electives/ Concentration Courses	3 + pts
Total: 15 - 19 pts	

Semester 3 (Fall)

Thesis I	3 pts
Electives/ Concentration Courses	12+ pts
Total: 15 - 19 pts	

Semester 4 (Spring)

Thesis II	3 pts
Electives/ Concentration Courses	9 + pts

Concentrations

Built Environment

Planning of the built environment balances competing demands on the land and environment brought about by urban and rural growth. This concentration prepares students to work with stakeholders to guide public and private development processes in ways that ensure an adequate supply of land and resources to meet people's present and future needs, while complying with environmental and fiscal requirements.

Community and Economic Development

Planning education promotes the redistribution of resources and social justice in cities as much as the creation of wealth. This concentration prepares students to undertake community and neighborhood planning and decision-making, local economic development, and/or housing and redevelopment activities. Students examine resource, institutional and socioeconomic issues at various spatial scales, paying particular attention to disadvantaged population and communities.

International Planning and Development

This concentration prepares students to work with governments, NGOs, consulting firms, and international development agencies around the world. Students receive multidisciplinary training to understand the impact of global flows as well as local conditions on cities and communities in various world regions and to think creatively about planning approaches in developing countries.

Urban Analytics

This concentration prepares students to engage and assess the increasing abundance and availability of data to address urban problems, collaborate on design projects for the built environment, and inform planning efforts within a variety of contexts and practices. Students acquire skills in data science and visualization, spatial and statistical analysis, and research design with stakeholder engagement, in addition to the planning skills taught in the core curriculum.

COURSES OF INSTRUCTION

Fall 2017

No.	Sec	Title	Faculty	Category	Requirements	Distribution
PLA4008		HISTORY AND THEORY OF PLANNING	HIBA BOU AKAR	LECTURE	UP REQUIRED 1ST YR	
PLA4022		FUNDAMENTALS OF URBAN DIGITAL DESIGN	ALEJANDRO DE CASTRO MAZARRO	LECTURE	ELECTIVE	ANALYTICS
PLA4050		UP ELECTIVE: INTERNSHIP	MARGARET WIRYAMAN	INTERNSHIP	ELECTIVE	
PLA4208		PLANNING METHODS	MALO HUTSON	LECTURE	UP REQUIRED 1ST YR	
PLA4209	1	PLANNING METHODS LAB I		TUTORIAL	UP REQUIRED 1ST YR	
PLA4209	2	PLANNING METHODS LAB II		TUTORIAL	UP REQUIRED 1ST YR	
PLA4209	3	PLANNING METHODS LAB III		TUTORIAL	UP REQUIRED 1ST YR	
PLA4340		SUSTAINABLE ZONING & LAND USE REGULATIONS	JONATHAN MARTIN	SEMINAR	ELECTIVE	BUILT ENV
PLA4387		PUBLIC PRIVATE PARTNERSHIPS, PRIVATIZATION + THE NEW CITY GOVT	MOSHE ADLER	SEMINAR	ELECTIVE	COMM
PLA4577		GEOGRAPHICAL INFO SYS	LEAH MEISTERLIN	LECTURE	UP REQUIRED 1ST YR	
PLA4578	1	GEOGRAPHICAL INFO SYS LAB I	JEREMY WHITE	TUTORIAL	UP REQUIRED 1ST YR	
PLA4578	2	GEOGRAPHICAL INFO SYS LAB II	KAZ SAKAMOTO	TUTORIAL	UP REQUIRED 1ST YR	
PLA4578	3	GEOGRAPHICAL INFO SYS LAB III	CLARA CHUNG	TUTORIAL	UP REQUIRED 1ST YR	
PLA4578	4	GEOGRAPHICAL INFO SYS LAB FOR ARCH & UD	GRGA BASIC	TUTORIAL	ELECTIVE	VISUAL STUDIES
PLA4579		INTRO TO ENVIRONMENTAL PLANNING	PETER MARCOTULLIO	SEMINAR	ELECTIVE	BUILT ENV
PLA6014		PUBLIC SPACE IN THE PRIVATE REALM	ETHEL SHEFFER	SEMINAR	ELECTIVE	BUILT ENV
PLA6088		INTRO TO INT'L DEVELOPMENT	MARCELA TOVAR & ALEJANDRO DE CASTRO MAZARRO	SEMINAR	ELECTIVE	INT'L

No.	Sec	Title	Faculty	Category	Requirements	Distribution
PLA6107		POLICIES AND OUTCOMES: INCLUSION AND HOUSING IN NYC	ELDAD GOTHELF	SEMINAR	ELECTIVE	COMM
PLA6330		SITE PLANNING & SUPPORT SYSTEMS	GRAHAM TRELSTAD	LECTURE	ELECTIVE	BUILT ENV
PLA6434		INTRO TO TRANSPORTATION PLANNING	FLOYD LAPP	SEMINAR	ELECTIVE	BUILT ENV
PLA6526		CHINESE URBANISM IN GLOBAL CONTEXT	WEIPING WU	LECTURE	ELECTIVE	INT'L
PLA6573		COMMUNITY DEVELOPMENT PLANNING	MOIRA O'NEILL- HUTSON	SEMINAR	ELECTIVE	COMM
PLA6574		INTRO TO DESIGN THINKING METHOD: FACILITATING URBAN PLANNING INNOVATION	LEE MILLER & KATHLEEN O'NEAL	LECTURE	ELECTIVE	
PLA6575		PROTOTYPING WITH OPEN DATA	KAZ SAKAMOTO & CLARA CHUNG	SEMINAR	ELECTIVE	ANALYTICS
PLA6581		PRACTICUM: PLANNING & MEGA PROJECTS IN GLOBAL CITIES	ADAM LUBINSKY	SEMINAR	ELECTIVE	COMM
PLA6586		WRITING THE CITY	CHARLES EUCHER	SEMINAR	ELECTIVE	
PLA6617		DESIGN & PLANNING FOR RISK, CRISIS, AND DISASTER	THADDEUS (EDWIN T) PAWLOWSKI	SEMINAR	ELECTIVE	BUILT ENV
PLA6875		JOINT ARCH -SEM	MARCELA TOVAR GIANCARLO MAZZANTI & CARLOS MEDELLIN	SEMINAR	ELECTIVE	BUILT ENV
PLA6909		ADV STUDIO - JOINT HP/ UP	ERICA AVRAMI	STUDIO	ELECTIVE	
PLA6925		ADVANCED RESEARCH I	WEIPING WU	INDEP STUDY	ELECTIVE	
PLA6930		QUANTITATIVE METHODS	LANCE FREEMAN	SEMINAR	ELECTIVE	ANALYTICS

Spring 2018

No.	Sec	Title	Faculty	Category	Requirements	Distribution
PLA4010		PLANNING FOR URBAN ENERGY SYSTEMS	PETER MARCOTULLIO	SEMINAR	ELECTIVE	BUILT ENV
PLA4050		UP ELECTIVE INTERNSHIP	MARGARET WIRYAMAN	INTERNSHIP	ELECTIVE	
PLA4151		ECONOMICS FOR PLANNERS	MOSHE ADLER	LECTURE	UP REQUIRED 1ST YR	
PLA4304		INTRODUCTION TO HOUSING	LANCE FREEMAN	SEMINAR	ELECTIVE	COMM
PLA4320		URBAN DESIGN FOR PLANNERS	JUSTIN MOORE	SEMINAR	ELECTIVE	BUILT ENV
PLA4620		PUBLIC FINANCING OF URBAN DEVELOPMENT	RICHARD FROEHLICH	LECTURE	ELECTIVE	COMM
PLA6052		PLANNING LAW	DAVID KARNOVSKY	SEMINAR	UP REQUIRED 1ST YR	
PLA6065		ENVIR IMPACT ASSESSMENT	GRAHAM TRELSTAD	SEMINAR	ELECTIVE	BUILT ENV
PLA6108		LAND USE PLANNING	JONATHAN MARTIN	SEMINAR	ELECTIVE	BUILT ENV
PLA6111		DIGITAL RESTRUCTURING OF URBAN SPACE	LEAH MEISTERLIN	SEMINAR	ELECTIVE	ANALYTICS
PLA6113		EXPLORING URBAN DATA WITH MACHINE LEARNING	KAZ SAKAMOTO	SEMINAR	ELECTIVE	ANALYTICS
PLA6121		PRACTICUM: RESIDENTIAL PLANNING IN GLOBAL CITIES	KATE DUNHAM	SEMINAR	ELECTIVE	BUILT ENV, INT'L
PLA6232		ADVANCED SPATIAL ANALYSIS	LEAH MEISTERLIN	SEMINAR	ELECTIVE	ANALYTICS
PLA6267		INFRASTRUCTURE PLANNING AND PRACTICE IN DEVELOPING COUNTRIES	ANDREA RIZVI	SEMINAR	ELECTIVE	BUILT ENV, INT'L
PLA6269		URBAN ECONOMIC DEVELOPMENT PRACTICUM: ACHIEVING OUTCOMES FOR INCLUSIVE GROWTH	JAMIE TORRES + ANDREA BATISTA SCHLESINGER	LECTURE	ELECTIVE	COMM

No.	Sec	Title	Faculty	Category	Requirements	Distribution
PLA6605		HISTORICAL DEVELOPMENT OF URBAN INFORMALITY	ALEJANDRO DE CASTRO MAZARRO	SEMINAR	ELECTIVE	INT'L
PLA6613		SOCIAL ENTREPRENEURSHIP AND THE URBAN BUILT ENVIRONMENT	THADDEUS PAWLOWSKI + KAIROS SHEN	SEMINAR	ELECTIVE	COMM
PLA6621		LOCAL GOVERNMENT POLITICS AND LAW	MOIRA O'NEIL-HUTSON + HOWARD SLATKIN	SEMINAR	ELECTIVE	COMM
PLA6631		GLOBAL HEALTHY CITIES	MALO HUTSON	SEMINAR	ELECTIVE	BUILT ENV, INT'L
PLA6641		PRACTICUM: GLOBAL PRACTICES IN RISK REDUCTION & RESILIENCE	EBRU GENCER	SEMINAR	ELECTIVE	INT'L
PLA6911		UP STUDIO		STUDIO	UP REQUIRED 1ST YR	
PLA6911	1	TRANSFORMATIONAL WATERFRONT PLANNING IN BROOKLYN + QUEENS	SANDY HORNICK	STUDIO	UP REQUIRED 1ST YR	
PLA6911	2	NEIGHBORHOOD CHANGE, DISPLACEMENT, AND HEALTH	MALO HUTSON + KIAN TAJBAKHSH	STUDIO	UP REQUIRED 1ST YR	
PLA6911	3	HK AS PALIMPSEST: TRANSIT-INDUCED REDEV	WEIPING WU + JOSE LUIS VALLEJO	STUDIO	UP REQUIRED 1ST YR	
PLA6911	4	CREATING A PILOT EMERGENCY PLANNING TOOLKIT	ETHEL SHEFFER + GRAHAM TRELSTAD	STUDIO	UP REQUIRED 1ST YR	
PLA6911	5	THE GLOBAL CAMPUS	MAXINE GRIFFITH + TOM WRIGHT	STUDIO	UP REQUIRED 1ST YR	
PLA6911	6	GENOA, ITALY: NEGOTIATING FRAGMENTS	RICHARD PLUNZ + DOUGLAS WOODWARD	STUDIO	UP REQUIRED 1ST YR	
PLA6926		ADVANCED RESEARCH II	WEIPING WU	INDEP STUDY	ELECTIVE	

THE PH.D. PROGRAM IN URBAN PLANNING

DIRECTOR: Malo Hutson

Ph.D. COMMITTEE: Malo Hutson
Hiba Bou Akar
Lance Freeman
Weiping Wu

THE PROGRAM

The Ph.D. in Urban Planning is a program within the Graduate School of Architecture, Planning, and Preservation (GSAPP) while the actual degree is granted by the Graduate School of Arts and Sciences (GSAS). In it, the student is immersed in the theoretical and methodological tools of the social sciences in order to contribute to the advancement of knowledge in the field of planning. The program consists of two years of coursework, qualifying examinations in the history and theory of planning and in a substantive area (called the sector), and the writing and defense of a dissertation proposal followed by the dissertation and its defense.

ADMISSIONS

Applications are due in early January. The applicant must hold a master's degree in urban planning or in a related discipline and have excellent academic credentials (a grade average of B+ or better). In addition, the applicant is required to have completed at least 90 points of undergraduate liberal arts courses in the social sciences, humanities or natural sciences, and the equivalent of the core courses provided in the master's-level curriculum in the Division of Urban Planning, Graduate School of Architecture, Planning and Preservation.

Fellowships are awarded in recognition of academic achievement and in expectation of scholarly success. Graduate fellowships include teaching and research assistantships.

All prospective students must apply using the online application. Printed applications are not available. A complete application includes:

- Transcripts of all previous post-secondary education
- A statement of academic purpose
- A curriculum vitae or résumé
- Three letters of recommendation from academic sources
- GRE scores
- For international students: Examination scores to fulfill the English Proficiency Requirement

A sample of scholarly writing, 8-10 pages
Payment of the application fee

ORGANIZATION OF THE PROGRAM

At the center of the Ph.D. curriculum are two doctoral seminars on advanced planning theory and advanced planning history along with four doctoral colloquia that deal with specific issues within planning thought. In general, these core courses draw on advanced knowledge in theories of planning, theories of state and collective decision-making and action, and theories of urban form and development. Befitting the nature of the planning project, knowledge from various social science disciplines, the humanities, and the natural sciences is brought to bear on key ideas and arguments within the field.

Students are also required to take at least two courses in advanced methods. These can include courses in research design, advanced statistics, epistemology, and specific data collection procedures (e.g., ethnography, survey design). As for the sector specialization, the student is expected to take one or more advanced seminars in a specialized planning field such as housing, urban land markets, environmental planning, or international development. Lastly, the program requires all Ph.D. students to develop an outside field consisting of at least three interrelated courses. This could include such well-defined "fields" as urban politics, real estate development, international development policy, globalization, or twentieth-century American urban history.

Doctoral Research Colloquium

This is a required two-semester course. It focuses on new developments in the social science and planning literature.

Research Methods in Planning

Each doctoral student is expected to demonstrate competence in statistical research methods as well as in research methods relevant to the topic of his or her dissertation. This requirement is intended to develop the social science, planning, and evaluation skills expected of a planning scholar. At least two courses in advanced methods are needed to fulfill this requirement. One of them should be taken in the Urban Planning Department. The other may be taken in another department in the Graduate School of Arts and Sciences.

Sector Specialization

Students are expected to take one or two advanced seminars in specialized planning fields. They are encouraged to take courses in their field of specialization or related fields in other departments of the University. Sector specializations provide students with the substantive backgrounds for their individual scholarly interests. The following list of typical fields is intended to be suggestive, not exclusive:

Planning History and Theory

Urban Spatial Theory

Economic Development

Physical Planning

Transportation

Housing

Community Development

Comparative Planning

Related Discipline or Outside Field

This requirement helps students relate their urban planning interests to a broader field of intellectual inquiry. It is normally met by the completion of a minimum of three courses in the area chosen or by previous work. In either case, a letter from a University faculty member expert in that area attesting to the completion of the requirement is needed. The following are examples of related disciplines and outside fields: anthropology, art history, economics, geography, history, law, political science, public health, social work, sociology, historic preservation, urban design, and international affairs.

M.Phil. Examination Requirement

Any student who has satisfactorily passed the comprehensive examinations and has had a Ph.D. dissertation proposal accepted will be awarded the M.Phil. degree.

There are comprehensive examinations in history and theory of planning, and in the sector specialization. These are written exams read by a committee of the Doctoral Program Subcommittee in Urban Planning. Students must pass these exams satisfactorily before they can present and defend their dissertation proposal. The exams are normally taken at the end of the spring term or in the summer. They will be graded (Pass with Distinction/Pass/Fail) by the Ph.D. Examination Committee. No examination can be taken while Incompletes in that area are outstanding.

The Examination Committee will comment in writing to the student on his or her written responses after each examination, and those comments will be included in the student's file. If the committee determines that the student has not satisfactorily passed, the student will be eligible for reexamination, but not more than once for each examination.

Dissertation

Prior to the dissertation, the student must complete and defend a dissertation proposal. The proposal must be approved by the sponsor and presented and defended in front of at least three members of the Ph.D. Program. Completed dissertations must be approved by the sponsor before they can be defended before a dissertation committee.

MASTER OF SCIENCE DEGREE IN HISTORIC PRESERVATION (MSHP)

DIRECTOR: Jorge Otero-Pailos

PROGRAM MANAGER: Melissa Parsowith

THE PROGRAM

The Historic Preservation Program prepares leaders to address the great challenges of protecting the world's architectural, cultural, and historical heritage in the face of profound change. The multi-disciplinary program has set the standard in the dynamic field of historic preservation and heritage conservation since James Marston Fitch founded it in 1964 as the first such program in the United States.

The program's renowned faculty uses the architectural and historic riches of New York City as its laboratory, while encouraging study throughout the United States and the world. The Columbia University curriculum stresses the development of analytical thinking and effective communication, coupled with a strong base of knowledge in history, theory, conservation science, planning and policy, and design. Students graduate with the necessary skills and knowledge to advance this rapidly evolving field and thus join the vibrant network of alumni who are already redefining the boundaries and practice of heritage conservation around the world.

ADMISSIONS

Applications are due January 15th. Applicants for admission to the M.S. degree in the Historic Preservation program must first hold a bachelor's degree. All applicants are required to take the Graduate Record Exam (GRE). Letters of recommendation and the applicant's statement of intent are also considered important parts of the application materials. Portfolios are not required, but any supplemental information in the form of drawings, photographs, articles, books, etc., is welcome.

Preparation

The M.S. HP program is multidisciplinary in nature and expects all students to engage in preservation in depth from many perspectives. Applicants are expected to demonstrate a commitment to historic preservation as a profession and students should have a basic knowledge of the history of architecture. All applicants must have an undergraduate degree from an accredited college or university by the time they start the M.S. HP program.

Special Students

Professionals in fields related to historic preservation may be eligible to take courses in the Graduate School of Architecture, Planning, and Preservation. These students must be admitted as Special Students (non-degree candidates). Studios and visual studies courses are not open to special students. Lecture classes are open to Special Students with the permission of the faculty teaching the course.

Special Students receive library and computer access for the semester(s) in which they are enrolled; they receive a transcript from Columbia University with the course name and grade(s). Special Students pay the current per-point fee for the course; they are not entitled to student health insurance.

If at a later date a special student wishes to apply for matriculation in any of the graduate degree programs, the student must file a formal application before the stipulated deadline. The Admissions Committee does not treat the applicant preferentially.

Students who take courses as special students and are later admitted to a degree program may be awarded advanced standing for up to 6 points of work taken as a special student. Those who wish to apply for degree candidacy are therefore urged to do so at the earliest possible time.

MSHP CURRICULUM

The Historic Preservation Program offers a curriculum of extraordinary diversity.

The curriculum includes a series of core courses, providing each student with basic knowledge of the field, and then broadens, allowing each student the opportunity to develop his or her own focus.

The core curriculum is the focus of a student's first year. The centerpiece of the curriculum is studio. Students work individually and in groups within a studio environment, meeting one-on-one with each of the studio faculty. Key to the core curriculum is a course entitled "Theory and Practice of Historic Preservation" that provides each student with a grounding in the historical ideas behind the field. Students also take Preservation Planning and Policy, an introduction to planning as a preservation tool; Building Systems and Materials, which introduces building techniques and materials, and American Architecture I, a history of architecture in the United States through the 1880s. Several of the first semester courses continue into a student's second semester.

During the summer between the first and second year, the Historic Preservation Program strongly suggests the completion of one or more internships or work experiences as part of a student's education and career development.

During the second year of study, students take Preservation Colloquium, a class that analyzes issues introduced in the first year and prepares students for the completion of a thesis. By the beginning of the second year, students have finalized their thesis topic.

Preliminary thesis presentations will be made during the first semester, but the bulk of thesis work will occur during winter break and during the second semester. All other classes during the second year are electives that may be taken from the offerings of the Historic Preservation Program, the School of Architecture, Planning and Preservation in general, or from classes in other departments and schools at Columbia. Students are encouraged to focus their work, particularly in the second year, and to acquire depth in at least one of the following areas: Preservation, Design, History and Theory, and Planning and Policy.

Program Requirements

Students are required to complete a minimum of 60 points for the M.S. in Historic Preservation, of which 32 are required courses. In the first year, students must complete the Studio I and II sequence, and four required courses: Theory and Practice of Preservation, Preservation Planning, an American Architectural History class (either 18th and 19th, or 20th centuries), and Structures, Systems and Materials. In the second year, students take Preservation Colloquium in the Fall in preparation for their required thesis project in the Spring. During their second year students can take one of three advanced studios to specialize in preservation design (joint studio with M. Arch), preservation planning (joint studio with UP), or preservation technology. Advanced studios travel internationally and offer opportunities for research and hands-on experience. To further their practical training, students are encouraged to complete an internship between their first and second years in the program. The program offers a wealth of elective courses ranging in topics and formats: lectures and seminars examine historical, theoretical and practical facets of the profession, laboratory courses engage in experimental object-centric learning about architectural materials and methods of conservation, workshops extend the hands-on practicum, and mini courses offer deep dives into burning contemporary issues in preservation.

Semester 1 (Fall)

Studio I	6 pts.
Traditional American Architecture	3 pts.
Theory & Practice of Historic Preservation	3 pts.
Preservation Planning & Policy	3 pts.
Traditional Building Technology	3 pts.
Total: 15 – 19 Points	

Semester 2 (Spring)

Studio II	6 pts.
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Modern American Architecture	3 pts.
Modern Building Technology	3 pts
Electives	6+ pts.
Total: 15 – 19 Points	

Semester 3 (Fall)	
Advanced Studios	6 - 9 pts.
Historic Preservation Thesis Colloquium	3 pts.
Electives	9+ pts.
Total: 12 – 19 Points	

Semester 4 (Spring)	
Thesis II	4 pts.
Electives	9+ pts.
Total: 12 – 19 Points	

Historic Preservation Mini Courses

In Fall 2009 the Historic Preservation Program inaugurated mini-courses, which run for a half-semester. These provide learning opportunities in areas that may not rise to a full semester's course but are worthwhile for our students. A number of one-and-a-half-credit (1.5 pts), short-term courses (generally 12 hours of contact time with the faculty member) on a variety of topics will be offered each semester. Historic Preservation students are encouraged to take at least two mini courses during their two-year academic career.

RESOURCES AND OPPORTUNITIES

The Columbia Program is supported by all the resources of the School of Architecture Planning and Preservation and of Columbia University. The Program's architectural conservation lab, the nation's first, is fully equipped for contemporary analytic work. Research at Columbia is supported by the resources of the Avery Architectural and Fine Arts Library, the finest in the Western Hemisphere. Columbia studios, courses and workshops take full advantage of its home in New York, the most important historic city in the United States.

Future Anterior

In 2004, Professor Jorge Otero-Pailos of Columbia's Historic Preservation Program founded Future Anterior, the first peer-reviewed scholarly journal of preservation history, theory and criticism.

Fitch Colloquium

Named for the founder of formal preservation education at Columbia, and in the United States, the James Marston Fitch Colloquium was begun as an annual event in 2000. In a day-long colloquium, students, alums, and guests hear speakers and engage in discussion over current issues in preservation, attempting to discover and define the leading edge of the discipline. Past topics have included Target Architecture: The Role of Old Buildings in the Management of Global Conflict, Authenticity and Innovation: Ideals for Design with Old Buildings, and Drawing the Line: Are There Bounds to Preservation?

Program Council

Program Council is responsible for coordinating events relating to new and prospective students, acting as intermediaries between HP students and the department as well as between the GSAPP and HP students. Program Council helps develop the Historic Preservation portion of the GSAPP-wide Open House in October, an Open House for admitted, prospective students in the spring, and the Orientation for new students in the summer. The HP Program Council members work with Program Council members from other programs in the school to organize and run schoolwide meetings and events. The members are also responsible for fielding questions from prospective students throughout the year.

Elections for Program Council are usually held at the beginning of each school year.

COURSES OF INSTRUCTION

Fall 2017

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4080		HP ELECTIVE INTERNSHIP	MELISSA PARSWITH	INTERNSHIP	ELECTIVE	
A4744		DIGITAL VISUAL TECHNIQUES FOR HISTORIC PRESERVATION	BRIGITTE COOK	SEMINAR	ELECTIVE	
A4844		URBAN PRESERVATION	ERIK LANGDALEN	SEMINAR	ELECTIVE	
A6305		ADV STUDIO III- JOINT HP/ARCH STUDIO	JORGE OTERO-PAILOS & MARK RAKATANSKY	STUDIO	ELECTIVE	
A6307		ADV STUDIO III- HP TECHNOLOGY STUDIO	ADAM LOWE & CARLOS BAYOD	STUDIO	ELECTIVE	
A6708		SUSTAINABLE RETROFITS	MICHAEL ADLERSTEIN	SEMINAR	ELECTIVE	
A6768		ARCH METALS	RICHARD PIEPER	WORKSHOP	ELECTIVE	TECH
A6786		CONCRETE, CAST STONE & MORTAR	NORMAN WEISS	WORKSHOP	ELECTIVE	
A6795		LAW FOR PRESERVATIONISTS	WILL COOK	SEMINAR	ELECTIVE	
P6909		ADV STUDIO III- JOINT HP/UP STUDIO	ERICA AVRAMI & WILL RAYNOLDS	STUDIO	ELECTIVE	
A6799		HISTORICAL RESEARCH METHODS: INTERPRETING ARCHITECTURE	ANDREW DOLKART	SEMINAR	ELECTIVE	

Spring 2018

No.	Sec	Title	Faculty	Category	Requirements	Distribution
A4080		HP ELECTIVE INTERNSHIP	DEVIN L GRAY	INTERNSHIP	ELECTIVE	
A6417		NATIONAL REGISTER NOMINATIONS	ANDREW DOLKART	SEMINAR	ELECTIVE	
A6705		ARCHITECTURE AND DEVELOPMENT OF NYC	ANDREW DOLKART	SEMINAR	ELECTIVE	
A6712		ARCHITECTURAL FINISHES IN AMERICA	MARY JABLONSKI	SEMINAR	ELECTIVE	
A6717		COMPARATIVE HERITAGE MANAGEMENT	CAROLINA CASTEL-LANOS	SEMINAR	ELECTIVE	
A6727		OLD BUILDINGS, NEW FORMS	FRANCOISE BOLLACK	SEMINAR	ELECTIVE	
A6784		BRICK, TERRA COTTA + STONE	N. WEISS + DAN ALLEN	WORKSHOP	ELECTIVE	TECH
A6800		DRAWING IDEOLOGY	BRYONY ROBERTS	SEMINAR	ELECTIVE	
A6856		CARIBBEAN MODERNISM AS AN EXPRESSION OF TECHNOLOGICAL EVOLUTION	BEATRIZ DEL CUETO	SEMINAR	ELECTIVE	
A6859		VIOLET LE DUC	ARON VINEGAR	SEMINAR	ELECTIVE	
A6901		RESEARCH II	DANIELLE SMOller	INDEP STUDY	ELECTIVE	

MASTER OF SCIENCE DEGREE IN REAL ESTATE DEVELOPMENT (MSRED)

DIRECTOR: Patrice Derrington

ASSOC. DIRECTOR, Academic Affairs: Jessica Stockton King

ASSOC. DIRECTOR, Career Services: Rebecca Andersen Polimeda

THE PROGRAM

The Real Estate Development program's expanded three-semester curriculum combines the fundamental skills of professional real estate with a holistic approach to urban development as a creative act. Graduates receive a Master of Science of Real Estate Development (MS.RED) in an intensive calendar year spanning from May to May. Cross-disciplinary electives draw on the program's access to the extraordinary offerings of GSAPP and Columbia at large, while required coursework immerses students in the three core tenets of urban real estate development: the financial, the physical, and the legal, arming students with the full range of professional and intellectual skills needed to tackle the complex demands of global urban real estate development

CURRICULUM

Intensive Summer Semester

The introduction to the program begins with immersion in real estate finance, construction technology, market analytics, and other foundational subjects. Electives are limited to allow students with diverse background experiences to build essential financial, graphic, and analytical competencies.

Expansive Fall Semester

While core skills continue to be developed—particularly in finance, history of development, and real estate law—students are given significant elective opportunities to broaden their theoretical and applied skill sets by concentrating on the unique finance or design course tracks available only at Columbia.

Integrated Spring Semester

With a central focus on capstone projects, complex financial and economic modeling, and public policy, students bring together a cross-disciplinary portfolio of independent and supervised research and coursework, graduating with a holistic professional foundation.

ADMISSIONS

All applicants must have an undergraduate degree from an accredited college or university by the time they start the M.S. RED program.

M.S. RED applicants may hold undergraduate and graduate degrees in a wide range of fields. While graduate and professional academic preparation in development-related disciplines, such as architecture, finance, law, urban design, historic preservation, civil engineering, or urban planning is highly desirable, it is not essential for admission to the program.

It is recommended that applicants have 2 years of professional experience prior to entering the M.S. RED program. Students are required to take the Aptitude Test of Graduate Record Examination, www.ets.org/gre or the Graduate Management Admissions Test at www.mba.com/the-gmat.aspx.

PROGRAM REQUIREMENTS

The Master of Science degree in Real Estate Development is a three-semester, 45-point degree. Students attend full time during summer, fall and spring terms. At Columbia MSRED courses, theory, quantitative techniques, industry best practices, and extensive case study materials are combined. Students must take 30 credits of required core courses from the Real Estate Development Program, with the rest constituting electives chosen from elsewhere in Columbia. Upon special application the electives may be increased and certain core courses waived, based on prior experience.

Semester 1 (Summer)

PLAN 4310 Real Estate Finance.	3 pts.
PLAN 4310 Real Estate Finance Tutorial (waivable with test)	1.5 pts.
PLAN 6357 Construction Management and Technology.	3 pts.
PLAN 6779 The Architecture of Development.	1.5 pts.
PLAN 6360 Development Analysis: Urban Planning.	1.5 pts
PLAN 6352 Real Estate Market Analysis.	1.5 pts.
PLAN 6214 Real Estate Investment Analysis	1.5 pts.
Total: 13.5 Points, plus 1.5 - 4.5 elective credits	

Semester 2 (Fall)

PLAN 4312 Real Estate Finance II.	3 pts.
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PLAN 4314 Real Estate Finance II Tutorial (waivable with test.)	1.5 pts.
PLAN 6333 Real Estate Law.	3 pts.
PLAN 6265 Underwriting.	1.5 pts.
PLAN XXXX Lease Analysis and Financial Metrics.	1.5 pts.
PLAN 6595 Value of Design.	1.5 pts.

Total: 10.5 pts, plus 4.5 - 7.5 elective credits

Semester 3 (Spring)

PLAN 4314 Real Estate Finance III: Capital Markets.	3 pts.
PLAN 6335 Capstone: Development Case Studies.	3 pts.
PLAN 6231 Advanced Excel Skills (waivable with test.)	1.5 pts.
PLAN 6261 IT and the Real Estate Enterprise	1.5 pts.

Total: 9 pts, plus 6 - 9 elective credits

EXTRACURRICULAR PROGRAMMING

Lunchbox Lecture Series

The RED Student Association hosts a weekly lecture series with prominent real estate development executives. Through the series, students learn about issues in the industry and interact formally with experienced senior executives from the development community.

Past Internship Sponsors

AIG International
APC Realty Advisors
Athena Group
AvalonBay Communities
Boston Properties
Brack Capital Real Estate
Browne Fino Davis
Citigroup Alternative Invsts.
Crescent Heights
CRG Realty Capital
Cushman & Wakefield
Deutsche Bank Realty
Edward J. Minskoff Realty
Empire State Dev. Corp.
Ernst & Young
Forest City Ratner
GE Capital Asset Mgmt.
Goldman Sachs/UIG
Hudson Companies
JP Morgan Asset Management
LCOR Developers
Mayor's Office of Operations
Moody's Investor Services
Millstein Bros. Realty
NYC Economic Dev. Corp.
Procida Development
The Gale Company
The Marketing Directors
Related Companies
Setai Group
Situs Companies
Steelcase
Tishman Speyer
Tishman Urban Corp.
Tony Goldman
Trump Organization

COURSES OF INSTRUCTION

Summer 2017

No.	Sec	Title	Faculty	Category	Requirements	Distribution
P6214		REAL ESTATE INVESTMENT ANALYSIS	FRANK GALLINELLI	LECTURE	ELECTIVE	
P6244		IN THE FIELD	ROBERT GARNEAU	SEMINAR	ELECTIVE	
P6376		THE DEALMAKING PROCESS	MITCHELL ADELSTEIN	LECTURE	ELECTIVE	
P6378		STUDIO: THE ART OF THE RFP RESPONSE	BRIAN LOUGHLIN	SEMINAR	ELECTIVE	
P6771		CRITICAL DESIGN ANALYSIS FOR DEVELOPMENT	BROOKS McDANIEL	LECTURE	ELECTIVE	
P6781		REAL ESTATE MANAGERIAL FINANCE AND ACCOUNTING	STEPHEN PEARLMAN	LECTURE	ELECTIVE	
P6793		THE BUSINESS OF DEVELOPMENT	SHAI SHAMIR	LECTURE	ELECTIVE	
P6797		REAL ESTATE ECONOMICS AND MARKET METRICS	PAMELA HANNIGAN	LECTURE	ELECTIVE	
P6798		LEGAL PRINCIPLES OF REAL ESTATE	MITCHELL NELSON	SEMINAR	ELECTIVE	
P6801		HACKING FOR REAL ESTATE TECHNOLOGY	JOSH PANKNIN	SEMINAR	ELECTIVE	
P6807		HACKING FOR REAL ESTATE TECHNOLOGY II	ZACH AARONS	SEMINAR	ELECTIVE	
P6811		PROGRAMMING FOR INNOVATION IN URBAN DEVELOPMENT	SAMEER MASKEY	SEMINAR	ELECTIVE	

Fall 2017

No.	Sec	Title	Faculty	Category	Requirements	Distribution
PLA4538		REAL ESTATE ENTREPRENEURISM FOR ARCHITECTS, BUILDERS, DEVELOPERS, BUYERS & SELLERS	HANK BELL	LECTURE	ELECTIVE	
PLA6222		AFFORDABLE HOUSING FINANCE	RICHARD FROELICH & CHUCK BRASS	LECTURE	ELECTIVE	
PLA6252		ARCHITECT AND DEVELOPER DIALOGUES	RAQUEL RAMATI	LECTURE	ELECTIVE	
PLA6259		CAPITAL MARKETS: REIT ANALYSIS	DAVID KRUTH	LECTURE	ELECTIVE	
PLA6272		HISTORY OF DEVELOPMENT IN NYC	KATE ASCHER	LECTURE	ELECTIVE	
PLA6274		RESIDENTIAL DEVELOPMENT & ASSET STRATEGY	MARGARET STREICKER-PORRES	LECTURE	ELECTIVE	
PLA6275		TRANSIT ORIENTED DEVELOPMENT	KATE ASCHER	LECTURE	ELECTIVE	
PLA6281		HOTEL DEVELOPMENT & INVESTMENT	ADAM FEIL	LECTURE	ELECTIVE	
PLA6359		GLOBAL REAL ESTATE INVESTING	SONNY KALSI	LECTURE	ELECTIVE	
PLA6377		PRIVATE EQUITY & CAPITAL RAISING	MICHAEL CLARK & MARK WEIDNER	LECTURE	ELECTIVE	
PLA6390		STUDIO: ADV RFP RESPONSE	BRIAN LOUGHLIN	SEMINAR	ELECTIVE	
PLA6391		RESIDENTIAL INVESTMENT & DEVELOPMENT	JOSH KAHR	LECTURE	ELECTIVE	
PLA6568		PUBLIC-PRIVATE PARTNERSHIPS IN REAL ESTATE DEVELOPMENT	ROBERT PALEY	LECTURE	ELECTIVE	
PLA6569		COMPARATIVE GLOBAL REAL ESTATE	PATRICE DERRINGTON	LECTURE	ELECTIVE	
PLA6710		CAPITAL MARKETS: DEBT	ED ADLER	LECTURE	ELECTIVE	

Spring 2018

No.	Sec	TITLE	FACULTY	CATEGORY	REQUIREMENTS	DISTRIBUTION
PLA6050		INTERNSHIP		INTERNSHIP	ELECTIVE	
PLA6212		AFFORDABLE HOUSING, DEVELOPMENT & POLICY	ED POTEAT	SEMINAR	ELECTIVE	
PLA6228		ALTERNATIVE AND DISTRESSED INVESTMENT STRATEGIES	DONALD SHEETS	LECTURE	ELECTIVE	
PLA6236		ASSET MANAGEMENT	SARA QUEEN	LECTURE	ELECTIVE	
PLA6251		HOTEL TRANSACTIONS	RICK KIRKBRIDE & TODD FIELDSTON	LECTURE	ELECTIVE	
PLA6266		UNDERWRITING II	ROGER NUSSENBLATT	LECTURE	ELECTIVE	
PLA6280		PROJECT MANAGEMENT	LEEZA SPRINGER	LECTURE	ELECTIVE	
PLA6332		REAL ESTATE TRANSACTIONS LAW	ROBERT WERTHEIMER & NATHALIA BERNARDO	LECTURE	ELECTIVE	
PLA6342	1	INTERNATIONAL RE REGIONS: CHINA	JOHNNY DIN & PATRICE DERRINGTON	LECTURE	ELECTIVE	
PLA6342	2	INTERNATIONAL RE REGIONS: BRAZIL	SHAWN AMSLER	LECTURE	ELECTIVE	
PLA6342	3	INTERNATIONAL RE REGIONS: LONDON	KATE ASCHER	LECTURE	ELECTIVE	
PLA6375		COMMERCIAL LEASING	MARTY GOLD + MITCH-ELL NELSON	LECTURE	ELECTIVE	
PLA6384		TAX ISSUES IN ACQUISITIONS AND DEVELOPMENTS	DAN CROWLEY	LECTURE	ELECTIVE	
PLA6583		PRIVATE EQUITY DEVELOPMENT-HOSPITALITY FOCUS	RANI GHARIBIE	LECTURE	ELECTIVE	
PLA6585		RETAIL REAL ESTATE AND DEVELOPMENT	GARY FOGG + LEE SCHAFFLER	LECTURE	ELECTIVE	
PLA6712		RISK AND PORTFOLIO MANAGEMENT	RYAN JAMES SEVERINO	LECTURE	ELECTIVE	
PLA6714		REAL ESTATE PORTFOLIO MANAGEMENT	TIM WANG	LECTURE	ELECTIVE	
PLA6715		REAL ESTATE DEBT SECURITIZATION	STEVEN BLOOM	LECTURE	ELECTIVE	
PLA6719		BUILDING ADAPTATION AND REUSE	ANDY GOLUBITSKY + GABE RANDALL	LECTURE	ELECTIVE	
PLA6720		INTERNATIONAL REITS	DAVID KRUTH	LECTURE	ELECTIVE	
PLA6730		PROPTECH: LEADING THE NEXT REVOLUTION IN THE BUILT WORLD	JOSH PANKNIN + ZACH AARONS	LECTURE	ELECTIVE	
PLA6740		CONSTRUCTION LAW: NEGOTIATION AND MANAGEMENT	LISA K. HOWLETT	LECTURE	ELECTIVE	
PLA6745		ADVANCED CASE STUDIES IN REAL ESTATE ANALYSIS	PATRICE DERRINGTON & CHRIS MUNSELL	LECTURE	ELECTIVE	
PLA6748		ENTREPRENEURSHIP IN BUYING REAL ESTATE ASSETS	MASOOD BHATTI	LECTURE	ELECTIVE	

DUAL DEGREE PROGRAMS

To utilize more fully the facilities and resources of the University and to provide opportunities for students to pursue studies in related fields, the School, in conjunction with other departments and faculties, has established several dual degree programs. Each program leads to the award of two professional degrees. Students who wish to enter one of the programs described below must apply to each of the participating programs and be admitted to both. Students wishing to pursue a dual degree program with other schools at Columbia are responsible for consulting the respective school's admissions office for further information.

Dual Degree Programs within Columbia GSAPP:

- Master of Architecture and M.S. in Historic Preservation
- Master of Architecture and M.S. in Urban Planning
- M.S. in Urban Planning and M.S. in Historic Preservation
- Master of Architecture and M.S. in Critical, Curatorial & Conceptual Practices in Architecture
- Master of Architecture and M.S. in Real Estate Development
- M.S. in Urban Planning and M.S. in Real Estate Development
- M.S. in Historic Preservation and M.S. in Real Estate Development

Dual Degree Programs with Other Schools within Columbia:

- M.S. Urban Planning and Master of Business Administration (in conjunction with the Business School)
- M.S. Urban Planning and Master of International Affairs (in conjunction with the School of International and Public Affairs)
- M.S. Urban Planning and Juris Doctor (in conjunction with the School of Law)
- M.S. Urban Planning and Master of Science in Social Work (in conjunction with the School of Social Work)
- M.S. Urban Planning and Master of Science in Public Health (in conjunction with the Mailman School of Public Health)

Architecture and Historic Preservation

The school offers a dual program leading to the degree of Master of Architecture and the degree of Master of Science in Historic Preservation.

A student must enroll for 144 points of credit, which may be earned in eight terms in residence full-time in the School. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Architecture and Urban Planning

The school offers a dual program leading to the degree of Master of Architecture and the degree of Master of Science in Urban Planning.

A student must enroll for 144 points of credit, which may be earned in eight terms in residence full-time in the School. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Urban Planning and Historic Preservation

The school offers a dual program leading to the degree of Master of Science in Urban Planning and the degree of Master of Science in Historic Preservation.

A student must enroll for 96 points of credit, which may be earned in six terms in residence full-time in the School. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Architecture and Critical, Curatorial and Conceptual Practices

The school offers a dual program leading to the degree of Master of Architecture and the degree of Master of Science in Critical, Curatorial and Conceptual Practices.

A student must enroll for 144 points of credit, which may be earned in eight terms full-time in residence in the School. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Architecture and Real Estate Development

The school offers a dual program leading to the degree of Master of Architecture and the degree of Master of Science in Real Estate Development.

A student must enroll for 144 points of credit, which may be earned in eight terms in residence full-time in the School. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Urban Planning and Real Estate Development

The school offers a dual program leading to the degree of Master of Science in Urban Planning and the degree of Master of Science in Real Estate Development.

A student must enroll for 96 points of credit, which may be earned in six terms in residence full-time in the School. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Historic Preservation and Real Estate Development

The school offers a dual program leading to the degree of Master of Science in Urban Planning and the degree of Master of Science in Real Estate Development.

A student must enroll for 96 points of credit, which may be earned in six terms in residence full-time in the School. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements. Please consult the Admissions Office at the Business School for Dual MBA program requirements and details.

Urban Planning and International Affairs

The Graduate School of Architecture, Planning, and Preservation and the School of International and Public Affairs offer a dual program leading to the degree of Master of Science in Urban Planning and the degree of Master of International Affairs.

A student must enroll for 90 points of credit, which may be earned in six terms in residence - three terms full-time in the Graduate School of Architecture, Planning, and Preservation and at least three terms full-time in the School of International and Public Affairs. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Please consult the Admissions Office at the School of International and Public Affairs for MIA program requirements and details.

Urban Planning and Law

The Graduate School of Architecture, Planning, and Preservation and the School of Law offer a dual program leading to the degree of Juris Doctor and the degree of Master of Science in Urban Planning.

A student must enroll for 109 points of credit, which may be earned in eight terms in residence - two terms full-time in the Graduate School of Architecture, Planning, and Preservation and six terms full-time in the School of Law. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Please consult the Admissions Office at the Law School for JD program requirements and details.

Urban Planning and Social Work

The Graduate School of Architecture, Planning, and Preservation and the School of Social Work offer a dual program leading to the degrees of Master of Science in Social Work and Master of Science in Urban Planning.

A student must enroll for 90 points of credit, which may be earned in six terms in residence- three terms in the Graduate School of Architecture, Planning, and Preservation and three terms in the School of Social Work. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Please consult the Admissions Office at the School of Social Work for MSSW program requirements and details.

Urban Planning and Public Health

The Graduate School of Architecture, Planning, and Preservation and the Mailman School of Public Health offer a dual program leading to the degree of Master of Science in Urban Planning and the degree of Master of Public Health.

A student must enroll for 84 points of credit, which may be earned in five terms in residence - three terms in the Graduate School of Architecture, Planning, and Preservation and two terms in the Mailman School of Public Health. Students are responsible for meeting with both program directors periodically to ensure that they are meeting individual curriculum requirements as well as point and residency requirements.

Please consult the Admissions Office at the Mailman School of Public Health for MPH program requirements and details.

INTRODUCTION TO ARCHITECTURE: THE SUMMER STUDIO PROGRAM AT COLUMBIA

DIRECTOR: Danielle Smoller

Introduction to Architecture is a summer program giving university credit with the purpose of familiarizing students of all skill levels with different aspects of design, history and theory and practice of architecture. This preprofessional program is for those who are interested in architecture and may be considering it as a career, and for those students who have prior educational experience in design and may wish to complete an additional studio to prepare for application to graduate school.

For some, the five-week intensive course may function as an introduction to design, for others as an introduction to the field, a new method of working, to Columbia University or New York. The program is structured to accommodate all students, from those without experience who have an interest in architecture and may be considering it as a career, to those students with significant prior experience or education who wish to develop additional studio design skills, perhaps in preparation for graduate school.

Students must apply online. An official transcript of the applicant's most recent work and a resumé are required. Submission of examples of graphic, photographic, or other design work is encouraged but not required. Applicants should indicate on their application their preference for afternoon or evening studio. When the application is complete, the Office of Admissions will notify the applicant of the admission decision.

CURRICULUM

Students attend optional classes five days a week for five weeks. In the mornings, interested students are invited to participate in discussion groups; office tours, site visits and workshops organized and lead by teaching assistants. In addition, students may choose to attend the weekly afternoon or evening lectures sponsored by the school. In the afternoon or evening, students are required to attend the 3-credit design studio - an educational method unique to architecture - where they are given an intensive training in the skills and critical thinking involved in architectural design.

Students work in small groups directly with one studio instructor and one teaching assistant (a graduate student from the GSAPP) to develop their individual designs. Students then represent their work in periodic reviews and juries, a discussion forum that provides an opportunity for students to receive comments and criticism from invited architects, design professionals and professors. Together, the studio, workshops, and lectures present an introduction to many aspects of architecture as it is practiced today.

THE SHAPE OF TWO CITIES: NEW YORK/PARIS CERTIFICATE PROGRAM

DIRECTOR: Danielle Smoller, New York

PARIS COORDINATOR: Patrick O'Connor

The Shape of Two Cities: New York/Paris Program is for undergraduate students and recent graduates from colleges and universities around the country. The program's goals are to introduce the fields of architecture, planning and preservation; encourage their exploration in the contexts of history, theory and practice; and identify and analyze their interrelationships, especially in regard to the making of cities. The in-depth course of study is suited to students without previous academic experience in design who are interested in architecture, planning or preservation as a career, students in the liberal arts who are interested in approaching urban and historical issues from an architectural and urban planning perspective, and students with previous design experience who would like to develop additional studio skills in preparation for application to graduate school. All classes are conducted in English.

CURRICULUM

The program offers a two-semester curriculum that immerses participants in the rich physical and intellectual urban environments of New York and Paris. Instruction draws on the resources of Columbia University and its faculty, and the architectural communities of New York and Paris. During the first semester, students live and study in New York and enjoy the resources of Columbia University and GSAPP. The second semester is spent in Paris at Reid Hall, Columbia University's center for French studies located in the heart of the Montparnasse district.

Students in the program enroll in either the Architecture Option or the Urban Studies Option and share in a core of courses while embarking on their specializations.

First-term core courses:

1. A6769- History of the American city
2. A4028- Building New York
3. A4027- Architecture, planning, and preservation: New York

Second-term core courses:

1. A4030-The development of Paris

2. A4031-History of the European city
3. A4029-Architecture, planning, and preservation: Paris

These courses ground the program in a rigorous review of urban history and urban form, provide the academic structure for the students' comparative analysis of New York and Paris, and complement the liberal arts curricula of participating colleges.

The Architecture Option combines class and studio work to introduce design, architectural theory, and structural concepts. Through a series of increasingly complex projects that are focused on New York and Paris, design studios emphasize form and space-making and the formulation of public and private spaces as they relate to urban morphology. Representational and analytical drawings and model-making are woven into studio projects as a means of developing and criticizing design concepts.

The Urban Studies Option emphasizes workshop and seminar work to introduce its fields, which are placed in the contexts of urban and architecture history, historic and contemporary approaches to planning and preservation, and analysis of the social and cultural development of New York and Paris. The first term prepares students to embark on a major independent research project in Paris around a theme developed through discussion with the faculty. This option emphasizes the combination of research and field analysis as a means for developing urban planning and design strategies.

COURSES

Fall 2017

A4000 Design Studio. 3 pts.

Danielle Smoller, Thomas De Monchaux, Amina Blacksher, Miku Dixit

Introductory studio on the analysis, representation, and design of architectural projects for New York City. The studio combines long-term projects with sketch problems. Tutorials and lectures on graphics skills.

A4027 Architecture, Planning & Preservation. 3 pts.

Carol Willis, Rosalie Genevro

Architecture, Planning, and Preservation: New York (APP), the core course for the first session of The Shape of Two Cities program, is designed to introduce students to the

professional and theoretical issues in the three disciplines. The lectures and readings focus on history, theory, and politics, and examine the interplay of forces that have shaped New York's built environment in the past and that influence it today.

A4028 Building New York. 3 pts.

Andrew Dolkart

The evolution of building form and urbanism in New York City, 19th century to the present, as demonstrated by a survey of the city's building types, 19th century to the present, and including residential, commercial, and institutional architecture: Based on lectures and tours.

A4043 Workshop in Urban Studies. 3 pts.

Michelle Young

Reading and discussions focused on issues and theories of urban planning. Data and site analyses of the New York City district guide students in their development of a planning intervention.

A6769 Histories of American Cities. 3 pts.

Gwendolyn Wright

This class explores the evolution of some key ideas, policies, spatial forms and conflicts in American cities, both generic and unique. While focusing on historical patterns, each session takes up key questions for the present. What is "downtown" and who decides where it is located? How do building sites and infrastructure influence social patterns and natural environments?

Spring 2018

A4010 Design Studio. 3 pts.

TBA

Analysis and design exercises lead students from an understanding of Paris as a city to an architectural proposal for a specific site.

A4029 Architecture, Planning and Preservation: Paris. 3 pts.

TBA

An examination of theories and practices of architecture, planning, and preservation in Paris and its region, focusing on 20th-century and contemporary developments.

A4030 The Development of Paris. 3 pts.

TBA

Of the three history courses offered on the NY/P program, DoP is in a sense the most traditional, since it consists in a (more-or-less) chronological survey of Paris's growth and architecture from Gallo-Roman times to the present day - essential for understanding the historical context of the city in which you will be asked to propose an architectural intervention. But of DoP's twelve classes, only one (the first) takes place in the classroom - all the others take place out in the field, in direct contact with the city's architecture so that you can see and experience it for yourself.

A4031 History of European Cities. 3 pts.

TBA

This course will seek to define the particular character of the European city as a product of history and human creativity. Case studies will focus on drivers of urban development, highlighting noteworthy territorial specializations during the second millennium, from international finance in Venice to shipbuilding in Glasgow. Students will have the opportunity to build upon their understanding of the history of American cities and the built forms to which they gave rise.

A4037 Imaginative Transformations 1.5 pts

TBA

The purpose of this course is to help students begin to develop an individual formal vocabulary of their own. The way in which you communicate your creativity is essential.

Developing your own distinctive vocabulary to represent your ideas and illustrate your projects is the foundation on which you will build – it is the tool through which you will communicate your ideas. The methodology I employ in this course is designed to force students to abandon their naturally rational and logical approach and to embark on an intuitive process of discovery, to work with their intuition and emotions in order to access their imagination directly and without the censorship of reason.

A4044 Workshop in Urban Studies. 3 pts.

TBA

A sequence of exercises introduces students to different modes of urban analysis. A reflexive “reading” of the city accompanies the student’s own site research as they address a specific urban problematic.

A4051 Re-Draw I. 1.5 pts.

TBA

The long tradition of transcribing with fidelity what the eye sees onto paper provides the backdrop for this course. This transcription engages processes that are both mental (perception, choice, awareness) and physical (the body which draws, the tools and materials). Breaking down into two ‘moments’ -mental/observation, and physical/ drawing- will allow students to refine both. The transformation into visual language that is drawing offers a chance to look more closely at what we believe observation to be, and to study our patterns of seeing, and both question and reinforce them. While we greatly benefit from drawing as an observation of forms, the capacity to project geometric form has as well at its disposal the tool of perspective. Various exercises will help students in both forms of transcribing: observation and construction (through perspective). Perspective will be one third of this class’ contents. The class will demand that students sharpen their drawing skills through frequent sketching trips to Museums in Paris

A4052 Re-Draw II. 1.5 pts.

TBA

We simultaneously make many choices when drawing in regard to composition, framing a placement. The demands we make on our own formal drawing choices take on equal importance to the imperatives of the ‘real’ observed subject. Draw II will focus on expanding these choices while maintaining a connection with the observed world by addressing light and shade. Consistent with the first session, we will approach light and shade as observation of relations. In the first sessions, ‘Classic’ drawing subjects are proposed in the studio: Life drawing sessions as well as work on still life. As the weather is nicer during the second part of the semester, outdoor drawing will be favored permitting more drawing of architecture and urban spaces. In addition to the basic materials used in the Draw I, ink and ink wash, as well as collage will be explored.

A4060 Architectural Photography I. 1.5 pts.

Erieta Attali

Students are introduced to architectural photography using either color or black and white materials, and with the camera format of their choice, be it digital or analog based. They learn how to make aesthetic decisions based upon where they place themselves in the field of vision and how their lens and its focal length affect their final composition. Technical issues such as exposure, depth of field, and the use of a tripod will be addressed, as will the utilization of shift lenses and the view camera to correct for perspective. The importance of light and its source (be it daylight or artificial, centralized or diffuse) will be examined in relation to its direct impact upon structuring space, volumes and contour. An emphasis will be placed upon each student developing a personal vision in their approach to photographing architecture and interiors. They will print the images resulting from several assignments with digital media available in the studio. The viewing of historical antecedents as well as work by contemporary photographers will provide a context in which student work will be discussed. The culmination of their efforts will be a group exhibition, curated by themselves in a collaborative spirit to summarize the semester's discoveries and accomplishments.

ADMISSION PROCEDURES AND REQUIREMENTS

Applicants should consult the admissions requirements detailed separately for each program in this bulletin. Applications are only accepted online.

Applications should be completed in accordance with the instructions accompanying them. It is the applicant's responsibility to collect all the supporting materials (transcripts and letters of recommendation). A personal statement is required of all applicants. Information on additional required supporting materials is available on this website and in the online application module.

The Admissions Office will not accept applications or supporting materials via fax machine.

Application Deadlines

+ For Degree Candidates:

Applications and all supporting materials for the Master of Architecture Program must be received by December 15. January 15 is the deadline for applications to all other programs. All Programs begin in the Summer or Fall semester, there are no spring term admissions.

All scholarship applications are due on January 15.

M. Phil and Ph.D candidates should contact the Graduate School of Arts and Sciences (107 Low Library) for application materials and deadlines (212-854-4737).

+ For Non-Degree Candidates:

Visiting Scholars and Special Students: Fall term applications must be received by August 15. Spring term applications must be received by December 1.

New York Paris & Introduction to Architecture: Rolling admissions.

No application is forwarded to the Committee on admissions until all supporting documents and materials have been received. It is the applicant's responsibility to make sure that all of the materials he or she has requested and submitted have been received prior to the deadline for receipt of applications.

Deposit

+ For Degree Candidates:

Admissions decisions are mailed on or before April 1. An applicant who has been accepted for admission as a degree candidate is required to pay a \$700 deposit to the University by April 15th. This deposit is applied toward tuition when the applicant

registers; if the applicant does not register, the deposit is not refunded. Credit for the deposit may be extended for twelve months when an applicant fails to register because of illness. Proof of illness is required.

If the fee is not paid by April 15th, the applicant forfeits the place in the School that has been reserved for him or her.

+ For Non-Degree Candidates:

Admissions is rolling. Applicants typically receive a decision in 2 - 4 weeks of having submitted a complete application. An applicant who has been accepted for admission is required to pay a deposit to the University within fifteen days after receiving the notice of acceptance. This deposit is applied toward tuition when the applicant registers; if the applicant does not register, the deposit is not refunded. Credit for the deposit may be extended for twelve months when an applicant fails to register because of illness. Proof of illness is required.

If the fee is not paid within fifteen days after receiving the notice of acceptance, the applicant forfeits the place in the School that has been reserved for him or her.

ADMISSIONS

400 Avery, Telephone: 212-854-3414

+ CREDIT TRANSFER

The Graduate School of Architecture, Planning and Preservation's policies on transferring credit are determined by program. Transfer credit may apply to advanced standing or waivers.

MASTER OF ARCHITECTURE:

Students who have completed acceptable architecture course work prior to entering the M.Arch. Program may apply for advanced standing credit or course waivers in nonstudio courses. No requests for advanced standing credit are considered until official copies of relevant transcripts have been submitted to the Office of Admissions.

There are two situations in which one may receive advanced standing in the M.Arch. Program:

- (1) a student who is admitted into the second year of the M.Arch. Program may receive advanced standing for the first-year courses including the two design studios (potentially 36 points);
- (2) a student admitted into the first year with an undergraduate degree in architecture may receive credit for some courses; credit will be evaluated on an individual basis (maximum 9 points).

M.S. ADVANCED ARCHITECTURAL DESIGN / M.S. ARCHITECTURE AND URBAN DESIGN:

The GSAPP does not accept advanced standing in the MSAAD or MSAUD programs.

M.S. REAL ESTATE DEVELOPMENT:

Students may petition for waivers in Construction Technology and Management (Term II - 3pts) and Real Estate Law (Term III - 3pts). Waived courses must be replaced by one 3pt course or two 1.5pts courses.

Advanced standing and waivers are granted upon enrollment into the program..

M.S. URBAN PLANNING / M.S. HISTORIC PRESERVATION:

The GSAPP does not grant advanced standing in the M.S. UP and M.S. HP Programs. Students who have completed relevant coursework corresponding to required coursework within a program, may petition for a waiver. All waivers must be approved by the course instructor as well as the Program Manager and Program Director. No requests for waivers will be considered without official copies of relevant transcripts and syllabi. Waiver or advanced standing is not possible for elective courses within the Programs.

Waivers granted to M.S. HP students for prior work in American Architecture must be replaced by an architectural history course within the GSAPP. Other relevant coursework corresponding to required core courses completed at other institutions must be replaced by a course within the same distribution area (preservation planning, design, history/theory, or architectural conserva. Waivers are reviewed on a case by case basis with the faculty and administration of the M.S. HP program in order to ensure that all students gain balanced foundational knowledge of conservation, planning, design and history/theory.

Waivers may be granted to M.S. UP students for required core courses where relevant coursework was successfully completed at another institution. Waivers from any required course will be reviewed on a case by case basis by the instructor, Program Manager, and the Program Director.

Students enrolled in the M.S. HP and M.S. UP programs must complete a studio during their first year and a thesis in their second year. For this reason, the GSAPP requires that all M.S. HP and M.S. UP degree candidates complete the program in 4 semesters, with a minimum of 15 pts per semester.

INTERNATIONAL STUDENTS

In addition to the general admissions requirements, international students (1) who can understand rapid idiomatic English and can speak, write, and read English with a high degree of facility and (2) who can prove their ability to support themselves financially while in the United States are eligible for admission to Columbia. Since an international student holding a student visa (F) or exchange visa (J) is required by the United States Immigration and Naturalization Service to carry a full program of study, students should not plan to depend on income from outside employment. Note: All students with nonresident visas will be charged a fee per term (fall and spring) to support the University's services to international students.

Students whose native language is not English or who did not receive their education in an English-speaking country should make arrangements to take the Test of English as a Foreign Language (TOEFL). Inquiries about this test, which is administered four times annually throughout the world, should be addressed to TOEFL/TSE Services, P.O. Box 6151, Princeton, NJ 08541-6151, U.S.A.; telephone 609-771-7100; e-mail TOEFL@ETS.ORG.

English as a Foreign Language TOEFL

Students applying from within the United States, whether nonimmigrants or immigrants (permanent residents), should follow the standard application procedures.

If applying from outside the New York City area, students whose native language is not English or who did not receive their education in an English-speaking country should make arrangements to take the Test of English as a Foreign Language (TOEFL). Applicants are urged to make arrangements to take either the November or the February examination.

International students who have successfully completed two years of study in an English-speaking institution may waive the TOEFL exam requirement provided they can submit relevant transcripts.

TUITION & FEES

Application for admission as a degree candidate \$75

+ Tuition Rate

The following fees, prescribed by statute, are estimated to be in effect for 2017-2018. These fees are subject to change at any time at the discretion of the Trustees. University charges such as tuition and fees and residence halls and board plans are due and payable in full by the date announced before the beginning of each term. If partial payments are made, a late payment charge is assessed on amounts not paid by the due date on the initial statement made available to you online prior to registration, and thereafter, as indicated on subsequent online statements.

It is the policy of the university to withhold registration/change of programs, diplomas, certificates, and transcripts until all financial obligations have been met. Candidates for graduation are urged to settle their accounts at least one month prior to graduation. In the event a diploma, certificate, or transcript is withheld because of an unpaid balance, a student may be required to use a certified check, money order, or cash to release any of the aforementioned documents.

Degree Programs

Tuition per semester	\$27,510
Tuition per point	\$1,834

Non-degree

NY/Paris per semester	\$18,270
NY/Paris per point	\$1,218

Intro to Architecture per semester	\$3,654
Intro to Architecture per point	\$1,218

Full time students take between 12 - 19 points. Above 19 points, students will be charged per point. the 2017-2018 cost per point is \$1,834

University Fees

General Fees (automatically assessed at registration)	
International Services Charge	\$80 (per term)
Transcript Fee (required)	\$105 (one time)
University Facilities Fee (required)	\$475

Health Service Fee

Fall	\$549
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Spring(includes summer)	\$549
Gold Medical Insurance Plan	
Fall	\$1,139
Spring (includes summer)	\$1,852
Platinum Medical Insurance Plan	
Fall	\$1,737
Spring (includes summer)	\$2,823
Late Registration Fees	
During late registration	\$50
After late registration	\$100

Withdrawal and Adjustment of Fees

Any student withdrawing from the GSAPP must file an official notice of withdrawal in the Admissions Office as soon as possible; any adjustment of the tuition that the student has paid is reckoned from the effective date of withdrawal. (For partial withdrawal, see Changes in Programs of Study, above.)

The application and late fees are not refundable. Health Service, medical insurance, and special fees are refundable if notice of withdrawal is received by the Admissions Office by the last day of the change-of-program period. For 2017-2018, those dates are September 17 (fall term) and January 29 (spring term). In all cases, a withdrawal fee of \$75 will be assessed.

After the last day to change programs in each term (see Academic Calendar), the above amount is retained plus an additional percentage of the remaining tuition (as indicated in the adjustment schedule below) for each week, or part of a week, that the student remains registered after these dates. The student is considered registered until the date on which the student's written notice of withdrawal is received by the Office of Admissions.

Withdrawal Schedule

The refund percentage is as follows:

Term Week : Refund

1st & 2nd Week : 100%

3rd Week : 90%

4rd Week : 80%

5th Week : 70%

6th Week : 60%

7th Week : 50%

8th Week : 40%

FINANCIAL AID

GSAPP is proud to offer several million dollars annually in fellowships and scholarships for both domestic and international students. All applicants are reviewed by the admissions committee for merit-based funding opportunities. In order to be considered for need-based funding, please complete the need-based scholarship application in the online application. Allocations of fellowships and scholarships are based on the following criteria.

MERIT-BASED FELLOWSHIPS

Merit is determined by the Program's Admissions Committee. All applicants, domestic and international, are eligible. All applicants are automatically reviewed by the admissions committees; there is no separate application. Notification of merit-based fellowships is included in the admission letter. A direct tuition award is disbursed in the student's account each term by the end of the change of program period (the second week of each semester). Full time enrollment and good academic standing are required.

NEED-BASED SCHOLARSHIPS

Financial assistance is provided to select students who have demonstrated need consistent with Columbia University guidelines. We determine financial aid eligibility by evaluating the student's ability to pay based on the student's own resources, those of his or her spouse, if any, and a parental contribution where applicable. The difference between the student's resources and their estimated expenses determine need.

Only U.S. Citizens and Permanent Residents are eligible. The need-based scholarship must be completed and submitted online along with the application for admission. The deadline is the same as the admissions deadline. All need-based fellowships are promised with the admission letter. A direct tuition award is disbursed in the student's account each term by the end of the change of program period (the second week of each semester). Full time enrollment and good academic standing required.

A complete scholarship application will include detailed answers to the online Scholarship Questionnaire as well as copies of the most recent IRS 1040 tax forms from applicants, spouses, and the applicant's parents, regardless of dependency status. These forms may be uploaded directly into the application. Incomplete scholarship forms may not be reviewed. Detailed instructions are included in the Scholarship section of the online application.

Need-based scholarship awards are for the entire academic year and will be divided and disbursed evenly for each semester. For students in the M. Arch, M.S. UP, M.S. HP, MS. CCCP and NY/Paris programs, scholarships will be disbursed evenly for the Fall and Spring semesters. For students enrolled in the M.S. AAD, M.S. AUD or M.S. RED programs, scholarships will be disbursed evenly for the Summer, Fall, and Spring semesters.

STUDENT EMPLOYMENT

MERIT-BASED ASSISTANTSHIPS

GSAPP offers a limited number of merit-based teaching and research assistantships to all students enrolled in full-time degree programs. Selected recipients work as teaching assistants in exchange for tuition awards (maximum half tuition) and monthly stipends.

Tuition awards are applied directly to the student's account. Remuneration varies based on the position and fall within the following range.

Minimum: 10 hours per week for \$7,336 tuition award plus \$2,060 salary.

Maximum: 19 hours per week for \$13,755 tuition award plus \$3,863 salary.

The assignment of assistantships is made on the basis of qualifications for each position. Because these are merit-based positions, preference is given to applicants who have experience in the course or subject matter. Students are only eligible for one position per semester. A complete list of available positions is released to all students by the Dean's Office in June. Applications are typically due the following month and students will be notified of their candidacy in late July. Positions are typically for the Fall and/or Spring terms (Summer term appointments are rare).

CASUAL PAYROLL

GSAPP offers a range of hourly employment opportunities in the fabrication shop, output shop, exhibitions and events offices, and other administrative roles. Salaries are paid via bi-weekly time sheets at a rate of \$14 and \$15 per hour.

FEDERAL WORK-STUDY PROGRAM

The Federal Work-Study Program was established to aid U.S. citizens and permanent residents who need to work in order to meet school expenses. Eligibility for this program depends on financial need as determined by a federally mandated need analysis for which the FAFSA (see Federal Stafford Loan, above) is required. Each year Columbia students fill many on-campus positions, as well as jobs in off-campus public and nonprofit organizations, through funds allocated to this program. Employment in this program is restricted to twenty hours a week during the academic year. Students may work full-time during the summer and vacation periods. Students who will begin graduate work during the regular academic year may hold work-study positions during the summer prior to their first registration.

TAX WITHHOLDING FOR NONRESIDENT ALIEN TEACHING ASSISTANTSHIP RECIPIENTS

United States tax law requires the University to withhold tax at the rate of 14 percent on fellowship grants paid to nonresident aliens that exceed the cost of tuition, books, fees, and related classroom expenses.

Certain countries have entered into tax treaties with the United States, which may serve to reduce this rate of withholding. However, even when such a treaty applies, the student and the University must report the full amount of such excess to the Internal Revenue Service. If a student claims tax treaty benefits, he or she must also report this amount to his or her country of residence.

The tax law is complex and may vary with regard to individual circumstances. Therefore, as the University is not in a position to offer individual tax advice, each student may also wish to consult the consulate of his or her country of residence or a qualified tax professional.

FINANCIAL ASSISTANCE OUTSIDE GSAPP

FEDERAL AID

Students interested in federal financial aid (loans and/or work study) should submit the FAFSA (Free Application for Federal Student Aid). Please use FAFSA code 002707. Information on federal aid can be obtained by contacting Columbia University Financial Aid, 202 Kent Hall, 212-854-7040.

Please note that although there is no official deadline for the FAFSA, Columbia University Student Financial Planning requires 4-6 weeks to prepare a Financial Aid Package. Applicants should plan accordingly if they wish to receive notice of federal funding by April 1st.

All degree candidates (including those in the M.S. AAD, M.S. AUD and M.S. RED programs that begin with the Summer semester) should complete the FAFSA application for the upcoming academic year only.

Find more information on Columbia's Student Financial Services page [here](#)

ALL LOANS

While student loans may be used to mitigate educational expenses, they are, nevertheless, loans that must be repaid after graduation or after you cease to be enrolled halftime in a degree-granting program. For this reason, we strongly urge you to be as prudent as possible when borrowing and to understand fully the terms and conditions of any loan that you may borrow.

Students interested in additional loan funding, such as the Graduate Plus Loan should consult the Student Financial Services' Graduate Financial Aid website in order to obtain information about private loan eligibility, borrowing limits, interest rates, fees and disbursement.

FELLOWSHIPS

Columbia University offers a limited number of need-based institutional awards for graduate students. Applications are accepted from current students or those who plan to matriculate in the Fall. The submission deadline for these awards is determined by the University Provost's Office (typically June 1st).

For more information and a complete list of available fellowships, please visit: <http://sfs.columbia.edu/financial-aid/undergraduate-institutional-aid>.

OUTSIDE AWARDS

Outside Awards Students may be eligible for a specific scholarship or grant from an outside agency. Some sources to explore are employers, unions, professional organizations, and special interest groups. Please go to the Columbia University Student Financial Services, Outside Awards page (sfs.columbia.edu/content/outside-awards) for more information

SATISFACTORY ACADEMIC PROGRESS

Students receiving any Federal Financial Aid described in this section must demonstrate satisfactory academic progress in order to retain eligibility. The standards established to determine satisfactory academic progress for Federal Financial Aid recipients are the same as those for students not receiving Federal Financial Aid. Please refer to the following sections in this bulletin: Matriculation and Facilities, Withdrawal and Adjustment of Fees, Academic Standing, and Grades, for specific school policy. The Committee on Student Performance is an appeals committee acting on all matters involving students with unsatisfactory academic records. Appeals may be directed to this committee through the Office of the Dean. Students who are reinstated upon appeal will automatically be reconsidered for Federal Financial Aid.

SOCIAL SECURITY NUMBER REPORTING

To comply with Internal Revenue Service mandates, Columbia University requires students who will be receiving financial aid or payment through the University payroll system to report their Social Security number at the time of admission.

WITHDRAWAL FROM SCHOOL

Your financial aid may be affected if you withdraw from the University. According to the Federal Return of Title IV refund policy, your refund, if any, will be based on the last day of attendance. Refunded amounts will typically be credited in the following order: unsubsidized Federal Stafford Loan, subsidized Federal Stafford Loan, Federal Perkins Loan. Any remaining credit balance will be refunded to the student upon written request.

NATIONAL, REGIONAL & FOUNDATION FELLOWSHIPS

AMERICAN INSTITUTE OF ARCHITECTS-AMERICAN INSTITUTE OF ARCHITECTS FOUNDATION SCHOLARSHIPS PROGRAM

Applications and information may be obtained from the American Institute of Architects, Scholarships Program, 1735 New York Avenue, N.W., Washington, DC 20006. The deadline for filing applications is usually December 31.

THE AMERICAN ASSOCIATION OF UNIVERSITY WOMEN

gives fellowships to women for their last year of enrollment in professional schools. The deadline date is December 15 before the final year of graduate studies. Applications can be obtained from: AAUW, 2401 Virginia Avenue, N.W., Washington, DC 20037.

NEW YORK STATE REGENTS COLLEGE TEACHING FELLOWSHIPS

Annual predoctoral fellowships are open to legal residents of New York State for doctoral study in preparation for college teaching. Recipients must indicate their intent to teach in an institute of higher learning within the state upon graduation. Applications may be obtained from the New York State Higher Education Service Corporation, 99 Washington Avenue, Albany, NY 12255, and are due December 1.

PUBLIC HEALTH SERVICE FELLOWSHIPS

Predoctoral fellowships are available to students in the basic sciences or the social sciences for work relating to problems of health and disease. Applications are obtained by writing to the Chief, Career Development Review Branch, Division of Research Grants, National Institutes of Health, Bethesda, MD 20014, and are due by December 1.

Students should consult the Foundation Directory for Grants to Individuals, which is available in the Admissions Office.

NEW YORK STATE TUITION ASSISTANCE PROGRAM (TAP)

Any student who can prove legal residency in New York State for the preceding year should apply for a TAP award for each term in which he or she is registered as a full-time degree candidate. The amount of this award is based on the net taxable balance of the student's income and the income of those responsible for his or her support, as reported on the New York State income tax return for the previous calendar year.

Applications and further information can be obtained from the New York State Higher Education Service Corporation, 99 Washington Avenue, Albany, NY 12255, or from the Financial Aid Office at the GSAPP.

STUDENT AWARDS

SCHOOL-WIDE AARDS

Prizes will be announced at the GSAPP Commencement ceremony on May 12, 2018.

ALI JAWAD MALIK MEMORIAL HISTORY/ THEORY HONOR AWARD

Graduating students in all programs are eligible. This award is in recognition of the high quality of work in the history/theory sequence. Submit two or more papers on architectural history written for GSAPP or Art History Dept. courses with instructor's comments (if possible) via an online application. The deadline for the 2019 awards cycle will be posted soon.

GSAPP WRITING PRIZE

Graduating students in all programs are eligible. This award is given to a graduating student for an outstanding essay, paper, or thesis on the history or theory of architecture written for a class during their time enrolled at GSAPP. Students should submit one essay, paper, or thesis that they consider strongest (and best written) via the online application. The deadline for the 2019 awards cycle will be posted soon.

WILLIAM KINNE FELLOWS TRAVELING PRIZE

Graduating students in all programs are eligible. These awards are granted on the merit of proposals submitted for travel abroad incorporating the study of architecture, including planning and other specialized aspects of architecture. The deadline for the 2018 awards cycle will be posted soon.

M. ARCH AWARDS

The portfolios that M.Arch, AAD & UD students are required to submit to graduate are used to assist the Committees in determining the recipients of these awards.

HONOR AWARDS FOR EXCELLENCE IN DESIGN

The prize is for high quality of work in the design studios during the student's program of studies at Columbia.

CHARLES McKIM PRIZE FOR EXCELLENCE IN DESIGN/ SAUL KAPLAN TRAVELING FELLOWSHIP

This prize is recognizes the student whose work throughout the studios has been outstanding and is funded by a bequest from Saul Kaplan (M.Arch '57). The prize is for travel and study following graduation.

ALPHA RHO CHI MEDAL

This prize is for the student who has shown ability in leadership over the past 2-3 years in the School and who gives promise of professional merit through their attitude and

personality.

AIA HENRY ADAMS MEDAL AND CERTIFICATE

This prize is awarded to the student who has maintained the best general standard in all sequences during the professional course over the past 2-3 years in the School.

AWARD FOR EXCELLENCE IN TOTAL DESIGN

This prize is for excellence in total design.

BUILDING TECHNOLOGIES HONOR AWARD

This award is awarded to the student who most demonstrates an ability to incorporate building science and technologies into the issues of architectural design. Selection is based on students' academic record in Building Technology course-work and the portfolio review. Applying students' end of year portfolios should include work from advanced Building Science and Technologies courses.

SCHOOL SERVICE AWARD

This prize is awarded to a graduating student who has performed willing service to the School, and gives promise of real professional merit through attitude and character. It is intended as a recommendation of high ideals and professional aspirations

"AVERY 6" AWARD

This student-nominated prize is awarded to the graduating M.Arch student

1. Whose work questions the standards of architecture and promises to change the profession.
2. Whose commitment within studio and the school at large has earned the respect of the student body.

VISUAL STUDIES AWARD

Computing/Media/Design award. Graduating students in M.Arch, AAD, UD & CCCP are eligible. This prize is for innovative use of computing media in architectural research, design and fabrication. This may include spatial explorations, which involve simulations/animations, multimedia scripting, interactive environments/interfaces, or fabrication. Award is announced at graduation

LUCILLE SMYSER LOWENFISH MEMORIAL PRIZE

Graduating students in M.Arch, AAD & UD are eligible. This award is given to the graduating student in each final-semester studio whose work is most outstanding.

PERCIVAL AND NAOMI GOODMAN FELLOWSHIP

Graduating students in M.Arch, AAD, UP, UD, HP, and CCCP are eligible. The purpose of the Fellowship is to enable the recipient to carry out a project of social significance

related to the interests of Percival Goodman. Projects should be strongly humanist

AUD AWARDS

The portfolios that M.Arch, AAD & UD students are required to submit to graduate are used to assist the Committees in determining the recipients of these awards.

HONOR AWARDS FOR EXCELLENCE IN DESIGN

The prize is for high quality of work in the design studios during the student's program of studies at Columbia.

GSAPP PRIZE FOR EXCELLENCE IN URBAN DESIGN

This prize is intended to recognize the student whose work in the Urban Design Program has been most outstanding.

WILLIAM WARE PRIZE FOR EXCELLENCE IN DESIGN/ SAUL KAPLAN TRAVELING FELLOWSHIP

This prize is recognizes the student whose work throughout the studios has been outstanding and is funded by a be-quest from Saul Kaplan (M.Arch '57). The prize is for travel and study following graduation.

VISUAL STUDIES AWARD

Computing/Media/Design award. Graduating students in M.Arch, AAD, UD & CCCP are eligible. This prize is for innovative use of computing media in architectural research, design and fabrication. This may include spatial explorations, which involve simulations/animations, multimedia scripting, interactive environments/interfaces, or fabrication. Students who wish to be considered for this prize should submit their projects on CD-ROM, DVD or as a website URL to the Dean's Office. Award is announced at graduation

LUCILLE SMYSER LOWENFISH MEMORIAL PRIZE

Graduating students in M.Arch, AAD & UD are eligible. This award is given to the graduating student in each final-semester studio whose work is most outstanding.

PERCIVAL AND NAOMI GOODMAN FELLOWSHIP

Graduating students in M.Arch, AAD, UP, UD, HP, and CCCP are eligible. The purpose of the Fellowship is to enable the recipient to carry out a project of social significance related to the interests of Percival Goodman. Projects should be strongly humanist

AAD AWARDS

The portfolios that M.Arch, AAD & UD students are required to submit to graduate are used to assist the Committees in determining the recipients of these awards.

HONOR AWARDS FOR EXCELLENCE IN DESIGN

The prize is for high quality of work in the design studios during the student's program of studies at Columbia.

WILLIAM WARE PRIZE FOR EXCELLENCE IN DESIGN/ SAUL KAPLAN TRAVELING FELLOWSHIP

This prize is awarded to recognize the student whose work in the studios has been outstanding and is funded by a bequest from Saul Kaplan (M.Arch '57). The prize is for travel and study following graduation.

VISUAL STUDIES AWARD

Computing/Media/Design award. Graduating students in M.Arch, AAD, UD & CCCP are eligible. This prize is for innovative use of computing media in architectural research, design and fabrication. This may include spatial explorations, which involve simulations/animations, multimedia scripting, interactive environments/interfaces, or fabrication. Award is announced at graduation

LUCILLE SMYSER LOWENFISH MEMORIAL PRIZE

Graduating students in M.Arch, AAD & UD are eligible. This award is given to the graduating student in each final-semester studio whose work is most outstanding.

PERCIVAL AND NAOMI GOODMAN FELLOWSHIP

Graduating students in M.Arch, AAD, UP, UD, HP, and CCCP are eligible. The purpose of the Fellowship is to enable the recipient to carry out a project of social significance related to the interests of Percival Goodman. Projects should be strongly humanist

CCCP AWARDS

CCCP THESIS AWARDS

1. For the thesis exhibiting the most rigorous conceptual development and the most complementary format or medium.
2. For the thesis making the most significant contribution to the public sphere and which includes a realized component.

CCCP PROGRAM AWARD

This prize is for high academic attainment in the CCCP Program.

VISUAL STUDIES AWARD

Computing/Media/Design award. Graduating students in M.Arch, AAD, UD & CCCP are eligible. This prize is for innovative use of computing media in architectural research, design and fabrication. This may include spatial explorations, which involve simulations/animations, multimedia scripting, interactive environments/interfaces, or

fabrication. Award is announced at graduation

PERCIVAL AND NAOMI GOODMAN FELLOWSHIP

Graduating students in M.Arch, AAD, UP, UD, HP, and CCCP are eligible. The purpose of the Fellowship is to enable the recipient to carry out a project of social significance related to the interests of Percival Goodman. Projects should be strongly humanist.

UP AWARDS

AMERICAN INSTITUTE OF CERTIFIED PLANNERS OUTSTANDING STUDENT AWARD

This prize is for outstanding attainment in the study of Urban Planning.

NEW YORK CHAPTER OF THE AMERICAN PLANNING ASSOCIATIONS AWARD

This award is for academic excellence and leadership in Urban Planning.

CHARLES ABRAMS THESIS AWARD

For a thesis that best exemplifies a commitment to social justice.

URBAN PLANNING PROGRAM AWARD

This prize is for high academic attainment.

PLANNING CHALLENGE AWARD

For a thesis that makes a substantive contribution to our understanding of a contemporary planning issue.

PLANNING RESEARCH DESIGN AWARD

For a thesis that exemplifies a commitment to research methodology and/or planning techniques.

PEER TO PEER AWARD

This award is given in recognition of outstanding service to classmates, faculty, and school.

PERCIVAL AND NAOMI GOODMAN FELLOWSHIP

Graduating students in M.Arch, AAD, UP, UD, HP, and CCCP are eligible. The purpose of the Fellowship is to enable the recipient to carry out a project of social significance related to the interests of Percival Goodman. Projects should be strongly humanist

HP AWARDS

HISTORIC PRESERVATION FACULTY AWARDS FOR OUTSTANDING THESIS
One per sector in History/Theory, Planning, Design, and Conservation. Thesis advisor makes recommendation

PEER TO PEER AWARD

This award is given in recognition of outstanding service to classmates, faculty, and school.

PERCIVAL AND NAOMI GOODMAN FELLOWSHIP

Graduating students in M.Arch, AAD, UP, UD, HP, and CCCP are eligible. The purpose of the Fellowship is to enable the recipient to carry out a project of social significance related to the interests of Percival Goodman. Projects should be strongly humanist

FACULTY AWARDS FOR OUTSTANDING THESIS

For outstanding thesis in Historic Preservation.

ONERA PRIZE

This prize will be awarded to a graduating student from Columbia GSAPP's M.S. Program in Historic Preservation to conduct a project that tests new preservation theories in practice.

RED AWARDS

HANK BELL ENTREPRENEURIAL AWARD

This award is for the student that best embodies Professor Emeritus Hank Bell's entrepreneurial spirit.

THESIS AWARD

In recognition of the well-researched and crafted thesis

SERVICE AWARD

This award is for student participation and leadership within the RED Program.

SCHOLASTIC PERFORMANCE

This award is for high academic attainment.

HOUSING

Columbia University offers several housing options for full-time graduate students enrolled in the Graduate School of Architecture, Planning and Preservation. The descriptions of accommodations below are in effect for the 2017-2018 academic year. Students can expect a rate increase for subsequent academic years.

UNIVERSITY APARTMENT HOUSING

Columbia University Apartment Housing is available to all GSAPP degree candidates, but it is limited and not guaranteed. University Apartment Housing (UAH) provides eligible full-time degree candidates with subsidized housing near the University. Students must maintain full-time status to remain in housing. The UAH inventory consists of apartment shares and dormitory-style rooms. There are also a limited number of studio/efficiency, one bedroom, and two bedroom units for which priority is given to couples and families. Most student housing is located within walking distance of the University campus in the Morningside Heights neighborhood. Students are also housed in Manhattan Valley, just south of Morningside Heights, and in Washington Heights, just north of Morningside Heights. Additionally, students are housed in Riverdale, Bronx, in a new facility known as The Arbor. Rents are based on the size of the apartment/room and what amenities, furnishing, and/or utilities, if any, are provided.

Students are billed either monthly or by term, depending on the building assigned. All leases/contracts terminate on May 31 to coincide with the close of the academic year. Continuing full-time students are offered renewals beginning June 1 through the next academic year. Upon completion of the degree requirements, students must vacate their UAH accommodation.

Columbia Security operates car and foot patrols within the entire UAH area, and a shuttle bus provides transportation to and from campus and other UAH properties during evening hours. Weekday shuttle service to and from The Arbor is provided.

For further information, visit the UAH website at <<http://facilities.columbia.edu/housing/home>>.

HOUSING LOTTERY

The GSAPP receives housing allocations directly from UAH in early April. Our policy is to conduct a lottery in order to fairly distribute allocations among new degree candidates, regardless of their housing preferences. Priority is given to domestic and international students traveling long distances. Continuing students who wish to apply for UAH accommodations are automatically placed on the WAITLIST. The first-round of the housing lottery takes place shortly after the April 15th enrollment deadline, in order to ensure that all enrolled students may have the opportunity to make an informed decision about their graduate education. Students are notified via email by the GSAPP

when the results of the housing lottery become available. Results can also be viewed online via the UAH Housing Portal website. Housing applicants with an APPROVED status receive an allocation from UAH; applicants whose status remains unchanged are placed on the WAITLIST. If the GSAPP receives additional allocations, additional rounds of the lottery are conducted in the same manner.

OFF CAMPUS

Columbia's Off-Campus Housing Assistance (OCHA) office assists Columbia students and affiliates in their search for rental housing in the metropolitan area. OCHA manages a database known as the Housing Registry, which includes available rooms and apartments in non-Columbia-owned buildings and sublets of units in Columbia-managed housing. Prospective roommates can also post and search profiles on this site. In addition, OCHA offers housing search counseling and is supported in these efforts by their cooperative relationships with two New York City real estate/relocation agencies. The services of OCHA are for students and affiliates of the University only. OCHA's services are free of charge. OCHA does not operate as a real estate or rental agency; however, some of its listers may charge a fee. The service does not screen owners, tenants or roommates, and apartments are not inspected or approved by Columbia or the employees of OCHA. Listing of accommodations does not constitute a recommendation of such facilities, nor is the accuracy of the description verified by OCHA. For further information, visit the OCHA website at <<http://facilities.columbia.edu/housing/intro-ocha-3>>.

International House, a privately owned student residence and program center near campus, has accommodations for about seven hundred graduate students, both foreign and domestic. A cafeteria, recreational facilities, and varied cultural and professional programs are available to members. International House also has resident scholarships. One hundred spaces at International House are reserved for Columbia students and are contracted through University Apartment Housing (UAH).

To be eligible for admission to International House, a student must be a graduate student, at least twenty-one years old, and registered for at least 12 points. Interested students may apply through UAH and/or directly to International House, 500 Riverside Drive, New York, NY 10027; telephone (212) 316-8436; website <<http://www.ihouse-nyc.org/>>. Filing an application with both International House and UAH affords the maximum opportunity.

The GSAPP Admissions and Student Affairs Office communicate other housing opportunities to incoming students as they become available and to continuing students upon request. Students should also note that postings regarding available apartments and apartment shares can be found online, on bulletin boards around campus and in the surrounding neighborhood. Naturally, these postings are not related to, or inspected by the University, but they can provide an extra source of possible accommodations for students seeking off-campus housing.

INSURANCE AND HEALTH SERVICES

HEALTH SERVICES AT COLUMBIA (HSC) on the Morningside campus provides integrated, accessible services and programs that support the well-being of the campus community, and the personal and academic development of students. They are comprised of more than one hundred individuals: medical providers, dietitians, disability specialists, health educators, therapists, psychiatrists, peer counselors, student personnel, support staff, and administrative professionals. All programs and services provided by HSC adhere to strict standards of confidentiality in compliance with state and federal laws. HSC is made up of the following departments:

Alice! Health Promotion Program seeks to make the campus healthier by connecting students with information and resources, cultivating healthy attitudes and behaviors, and fostering a culture that values and supports a healthy community. Alice! coordinates Stressbusters, the 100 m.i.l.e. Club, and the Go Ask Alice! Internet Q&A service. Alice! is in suite 108A on the main floor of Wien Hall (212-854-5453).

Counseling and Psychological Services (CPS) supports the psychological and emotional well-being of the campus community by providing individual counseling for students, couples counseling for students and their partners, student life support groups, and medication consultations. Emergency consultations are available to the entire university community. CPS is on the eighth floor of Lerner Hall (212-854-2878).

Office of Disability Services (ODS) facilitates equal access for students with disabilities by coordinating reasonable accommodations and support services. Reasonable accommodations are adjustments to policy, practice, and programs that "level the playing field" for students with disabilities and provide equal access to Columbia's programs and activities. Examples include the administration of exams, services such as note-taking, sign language interpreters, assistive technology, and coordination of accessible housing needs. Accommodation plans and services are custom designed to match the disability-related needs of each student and are determined according to documented needs and the student's program requirements. Registration includes submission of both the Application for Accommodations and Services and disability documentation. The application form and documentation guidelines are available online and at the ODS office. Students are encouraged to register within the first two weeks of the semester to ensure that reasonable accommodations can be made. Please note that students are not eligible to receive reasonable accommodations until the registration process is complete. ODS is in Alfred Lerner Hall, 7th Floor (212-854-2388).

Primary Care Medical Services (PCMS) provides comprehensive medical care for routine, urgent, and chronic needs of students, as well as well-woman services, GLBTQ health care, and immunizations. Also part of PCMS are the multidisciplinary Eating Disorders Team, Travel Medicine Program, CU Emergency Medical Services (CAVA), and the Gay Health Advocacy Project (GHAP). PCMS is on the third and fourth floors of John Jay Hall (General Info: 212-854-2284).

Sexual Violence Prevention and Response Program (SVPRP) educates students and administrators about consent and coercion, and promotes community standards for a respectful and safe campus. Through its programs and services, SVPRP fosters individual and collective action to end sexual and relationship violence.

The Rape Crisis/Anti-Violence Support Center provides peer counseling, advocacy, and education to survivors and co-survivors of sexual assault, relationship violence, childhood sexual abuse, and other forms of violence. The Men's Peer Education Program provides educational events, prevention strategies, and leadership training programs to engage men to end sexual and relationship violence. For information on how to report sexual misconduct, or for the University's policy on sexual misconduct, please contact Alfred Lerner Hall Room 301, 3rd Floor, 212-854-3500.

Contact information:

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

On-campus Emergency Resources:

CU Emergency Medical Services 212-854-5555

Urgent after-hours medical and mental health matters 212-854-9797

General Information 212-854-2284

Rape Crisis/Anti-Violence Support Center 212 854-HELP

Public Safety, Security x99 (On Campus), 212-854-5555 (Off Campus)

Off-campus Emergency Resources: St. Luke's-Roosevelt Emergency Room 212-523-3335

St. Luke's-Roosevelt Psychiatric Emergency 212-523-3347

Dial 911 for an emergency

IMMUNIZATION REQUIREMENTS

MENINGOCOCCAL MENINGITIS DECISION

New York State public health law requires that students receive information from their institutions about meningococcal meningitis and the vaccine that protects against most strains of the disease that can occur on university campuses. Columbia students must make an informed decision about being vaccinated and certify their decision online. Full instructions are given online, and the process takes two to three minutes to complete. Students must formally indicate their decision about being vaccinated before they will be permitted to register for classes. Certify your meningitis decision online before registration begins.

MEASLES, MUMPS, AND RUBELLA (MMR)

New York State public health law requires that all students provide documentation of immunity to measles, mumps, and rubella (MMR) before their first term of study. There are several ways to document immunity. In all cases, the Columbia University MMR form must be completed and submitted to 108 Wein Hall no later than the specified deadline. Please note: the MMR form requires a physician's signature.

The blood test or MMR immunizations can be obtained at Primary Care Medical Services. If you have any questions about these requirements, please e-mail us at hs-enrollment@columbia.edu or visit www.health.columbia.edu.

GENERAL REGISTRATION PROCEDURES

The registration procedure for all students is as follows (see Academic Calendar for dates):

All GSAPP degree candidates must be enrolled as full-time students (minimum of 12 pts) for the duration of their program. Students may register either by the Web via SSOL (<https://ssol.columbia.edu/>) appointment times.

Full instructions may be found on the GSAPP website and in the Fall 2017 registration guide.

AUDITING COURSES

In no case will an audited course appear on the student's record, nor is it possible to turn an audited course into a credit course by paying the fee after the fact. Courses previously taken for credit may not be audited.

CHANGES IN PROGRAMS OF STUDY

Students who wish to drop courses or to make other changes in their programs of study must obtain approval from the Student Affairs Office on a special form. The deadline for making program changes in each term is shown in the Academic Calendar. In no case is permission to add courses granted after the last day of the change-of-program period in each term. Failure to attend classes or unofficial notification to the instructor does not constitute dropping a course and results in a failing grade in the course.

Tuition for courses dropped below 12 points during the change-of-program period is refunded in full. For courses dropped after the last day for change of program, no adjustment is made.

COURSES OF INSTRUCTION

The University reserves the right to withdraw or modify the courses of instruction or to change the instructors at any time.

It is not recommended that students drop or change required courses without official approval from their advisors.

COURSE EVALUATIONS

Students will be asked to fill out course evaluations for all courses. Evaluation forms are available online through New Courseworks. Evaluations are due before grades are submitted. Faculty will gain access to their evaluations after they have submitted their grades for the course.

GRADES

All students registered in the Graduate School of Architecture, Planning, and Preservation are graded as described below:

HP (high pass) = a superior level of work.

P (pass) = an acceptable level of work.

LP (low pass) = work that meets minimal standards.

F (fail) = work that is unsatisfactory.

The mark of INC (Incomplete) is not used except in the case described below: at the request of a student who has satisfactorily met all the requirements for a course except for the completion of certain assigned papers, graphic presentations, or reports that the student had to postpone because of proven illness.

Authorized Incompletes must be changed to a final grade by the first day of registration for the spring term in the case of all fall papers and projects, and by June 10 for all spring work. Any INC that has not been removed by the instructor by the relevant deadline will automatically turn into the grade of F. This grade cannot be changed to Pass; if the course is a required course, it will have to be repeated.

The mark of CP (credit pending): given only in graduate research courses in which student research projects regularly extend beyond the end of the term. Upon completion, a final qualitative grade is assigned and credit allowed. The mark of CP implies satisfactory progress.

The mark of UW (unofficial withdrawl): assigned to students who miss more than three required classes or whose names appear on the grade sheet but who have discontinued attendance.

GRADE APPEALS AND GRADE CHANGES

The awarding of grades and all other academic evaluations rests entirely with the faculty. If students have a concern relating to a particular grade or other assessment of their academic work, the student first should speak with the instructor of the class to understand how the grade or other evaluation was derived and to address the student's specific concern. If the students do not feel comfortable speaking with the class instructor about the matter, they should then bring the issue to the attention of their program director.

If the students are unable thus to resolve the matter to their satisfaction and believe that a procedural issue is involved, they should bring the matter to the attention of the Associate Dean of students. The Associate Dean of students will work with the student and the faculty to determine whether there has been a procedural breach and if so, take immediate steps to remedy the matter. If the Associate Dean, together with appropriate faculty other than the instructor, decides that there is no need for further action, the

student will be informed and the decision will be final. After grades are posted, students may not submit additional work in order to elevate a grade.

ACADEMIC STANDING

Students receiving a grade of F in any design course, or more than one F in non-design courses, will be asked to withdraw. Although consideration is given to particular cases where a student's work has suffered because of illness, the student may be required to take additional work to demonstrate that he or she has overcome the problems that have resulted in a poor record. A student with more than two non-passing grades is not considered to be in good academic standing. A limit is placed on the number of Low Pass (LP) grades permitted for credit toward a student's degree.

For Master of Architecture: No more than two LPs are permitted in any of the following categories: Design sequence, History/Theory sequence, Building Technologies sequence. A third LP in any of the above categories will not carry credit toward the degree.

For the M.S. in Advanced Architectural Design and the M.S. in Architecture and Urban Design: No more than two LPs are permitted in the Design sequence and no more than three LPs in the entire program.

For the M.S. in Historic Preservation and the M.S. in Urban Planning Programs: No more than four LPs are permitted in the entire program.

For the M.S. in Real Estate Development Program: No more than three LPs are permitted in the program.

PLAGIARISM AND ACKNOWLEDGMENT OF SOURCES

Students will be asked to do a great deal of written work while at Columbia: term papers and analytic essays of different lengths. These papers play a major role in course performance.

There have been some instances in which students attempt to submit the work of other people as their own. Because intellectual integrity is the hallmark of educational institutions, academic dishonesty is one of the most serious offenses that a student can commit at Columbia GSAPP. A failing grade in the course is a minimal penalty.

In making clear Columbia's policy on plagiarism, it is not feasible to include here all the various forms-they are innumerable-that plagiarism might take. It is useful, however, to list several varieties in order to dispel confusion about actions that the School will not accept:

1. Submitting essays, or portions of essays, written by other people as one's own;
2. Failing to acknowledge, through footnotes and bibliographic entries, the source of ideas essentially not one's

3. Failing to indicate paraphrases or ideas or verbatim expressions not one's own through proper use of quotations and footnotes;
4. Collaborating on an assignment or examination without specific permission from the faculty member to do so.

If questions arise concerning proper use of quotations, footnotes, or bibliographies, the student should contact the instructor. In addition, students may not submit an essay written for one course to a second course without having received prior permission from both instructors. Seeking informed advice from a faculty member is the best way to avoid confusion about matters that can be complicated.

LEAVE OF ABSENCE

A leave of absence may be granted upon the student's written request after satisfactory completion of one year in the Graduate School of Architecture, Planning, and Preservation. Written requests must be made by December 15 for leaves beginning in January and by August 1 for leaves beginning in September. A leave of absence assures readmission to the School provided the student complies with the terms of the leave. Leaves of absence are granted only to students in good academic standing or as required by studio faculty in the M.Arch. Program and are considered only after the student has completed two semesters in the program.

Readmission after an authorized leave of absence requires notification (by letter) to the Office of Admissions by July 1 for the fall term and by November 15 for the spring term. Failure to give written notice on or before these dates will result in forfeiture of a place in the studio sequence; other classes may still be taken.

READMISSION AFTER AN UNAUTHORIZED ABSENCE

Students who absent themselves without obtaining a leave of absence must apply for readmission to the School. This formal application must be made to the Office of Admissions by the specified deadlines for admission. Readmission is not guaranteed. Students may be required to fulfill the new degree requirements, if they are different from the ones of the student's first admission.

LEAVE FOR MILITARY DUTY

Any student who is a member of the National Guard or other reserve component of the armed forces of the United States or of a state organized militia and is called or ordered to active duty will be granted a military leave of absence for the period of active duty and for one year thereafter. Upon return from military leave of absence, the student will be restored to the educational status attained prior to being called or ordered to such duty without loss of academic credits earned, scholarships or grants awarded, or tuition or other fees paid prior to the commencement of active duty. The University will credit any tuition or fees paid for the period of the military leave of absence to the next enrollment

period or will refund the tuition and fees paid to the student, at the student's option. Students in need of a military leave of absence should contact the Dean of Students for their school.

APPLICATION OR RENEWAL OF APPLICATION FOR A DEGREE

Degrees are conferred three times a year-in October, February, and May. A candidate for any Columbia degree (except the doctoral degree) must file an application with the Registrar's Office in accordance with the dates shown in the Academic Calendar. Applications received after the filing period will automatically be applied to the next conferral date. If the student fails to earn the degree by the conferral date for which he or she has made application, the student must renew the application in order to graduate.

DIPLOMAS

There is no charge for the preparation and conferral of an original diploma. If your diploma is lost or damaged, there will be a charge of \$100 for a replacement diploma. Note that replacement diplomas carry the signatures of current University officials. Information about and the application for replacement diplomas may be found on the Registrar's Web site at www.columbia.edu/cu/registrar/docs/forms/app-for-rep-diploma.html.

NAME CHANGES

Students may change their name of record only while currently enrolled in the University. There is no charge for this service, but students must submit a name change affidavit to the Office of the Registrar. When you graduate or cease to enroll in the University, your name of record is considered final and may not be changed unless you enroll again at the University.

TRANSCRIPTS AND CERTIFICATIONS

In order to release a transcript, a student must provide written consent. You may obtain an official transcript of your academic record at Columbia University by writing to: Student Service Center, Columbia University, 205 Kent Hall, Mail Code 9202, 1140 Amsterdam Avenue, New York, NY 10027, Attention: Transcripts.

Please include the following information with your request: current and former names; personal identification number (PID) if known; schools attended and dates of attendance; degrees awarded and dates awarded; number of transcripts desired and complete address for each; your current address and telephone number; and your signature authorizing the release of your transcript. You may also order transcripts in person at 205 Kent Hall on the Morningside campus (9 a.m.-5 p.m., Monday-Friday).

Currently enrolled students may order transcripts for themselves and for colleges and

universities via the Student Services page on the World Wide Web at <https://ssol.columbia.edu/>. There is no charge for issuing transcripts; however, all students pay a one-time transcript fee of \$105 upon their first registration at the University. The normal processing time for transcripts is two to three business days. If you mail in your request for a transcript, you should allow several additional days for delivery to and from the University.

Currently enrolled students may order certifications of their enrollment and degrees in person or on the Student Services page on the Web as described above. Certifications are provided while you wait if you come to 205 Kent to request them. There is no charge for certifications.

The Registrar's Office no longer handles requests by noncurrent students, alumni, or third parties. Requests should be made either by calling the National Student Clearinghouse: 703-742-4200; by e-mailing: degreeverify@studentclearinghouse.org; or by mail: National Student Clearinghouse, 13454 Sunrise Valley Drive, Suite 300, Herndon, VA 20171.

SEMINAR REGISTRATION PROCEDURE

Courses noted as being seminars are subject to limitations on enrollment (generally between twelve and twenty students), and students are required to follow the procedure outlined below in order to apply for admission:

1. For those seminars that are overenrolled, students will be asked to submit to the professor a short curriculum vitae and a one-page description giving the reasons for their interest in the course, etc. These submissions should be turned in to the Architecture Office, 404 Avery.

STUDIO PROCEDURES

CRITIC SELECTION PROCEDURE (LOTTERY)

The students will select their studio critics in a lottery organized and run by the student representatives on the Program Council, following presentations made by the representative faculty members as to the nature of the projects to be given within each studio, together with the teaching intention, etc. Students will be asked to select their first, second, third, fourth, etc., choices, and places will be assigned according to random selection, assigning students to the highest possible choices on their list. Reciprocal selection by critic may also be organized, if academic priorities and/or student/faculty's interests require it.

This does not apply to Architecture A4001-Core studio, I (fall term): students in this studio will receive their faculty assignments on the first day of studio.

DESIGN STUDIO REVIEW

The studios are graded in the same manner as nonstudio courses on the University transcript: HP (High Pass), P (Pass), LP (Low Pass), INC (Incomplete), or F (Fail). Further evaluation is an integral part of the architecture program. If a student is deemed in danger of failing in a studio term, he or she will be notified by their critic as early in the term as possible and no later than four weeks before the end of the term. Such notification will be done either by a letter from the critic or verbally in a meeting with the critic to be followed by a memo noting that such a conversation has taken place.

Under no circumstances will students be exempt from presenting their design work in the final review of a project, nor can they be kept from presenting by their critic. After this review, students will be told whether their work is judged passing, incomplete, or failing.

Only in exceptional circumstances will the grade of Incomplete be given (see Grades). Those students whose work is judged incomplete must satisfactorily complete the work required as stipulated by the studio critic. In some cases, a year off from school may be required before enrollment in the subsequent studio is permitted. A student may receive a failing grade in studio at the end of the term without having been notified earlier (this would occur, for example, if a student fails to satisfy presentation requirements for the last project of a term).

After the final review of each design problem, the studio critic will inform the student verbally if he or she has not finished the work satisfactorily. Works deemed insufficient and those selected for the Archives may be retained by the critic for further evaluation by a faculty committee. The studio critic will also complete a written evaluation for each student in his or her section. A copy of these forms as well as the above-mentioned letters are kept in the student's records in the Admissions Office and are available to each student.

ADVISING AND COMPREHENSIVE REVIEW SCHEDULE

M.Arch Program Advising and Comprehensive Review Schedule					
When		Participants		Format	Requirements
1st Year	January	Individual	w/ Dean of Admissions + Faculty	Curriculum Advising	NA
	April	Group	w/ M.Arch II + III students	Portfolio Workshop Student to Student Advising	NA
2nd Year	December	Group	w/ Studio Faculty	Core Studio Discussion	NA
	April	Individual	w/ Studio Faculty	Comprehensive Studio Review	Portfolio Required
3rd Year	September	Individual	w/ Dean of Admissions + Faculty	Transcript Review	Transcript Supplied by Admissions Office
	April	Individual Submission	Faculty	Portfolio Review	Portfolio Required

1st Year January - Individual Curriculum Advising w/ Dean of Admissions

Following the completion of Core Studio I, all students are required to schedule curriculum advising with the Dean of Admissions to coordinate their academic schedule for the three year M. Arch Program. Students who require more focused studio/ history theory or building technology advising will be directed to the appropriate faculty member.

April/May –Portfolio Workshop, Student to Student Advising

Following the completion of Core Studio II, a portfolio Workshop will be held and students will be informed of the requirements for Comprehensive Review and Final Portfolio Submission, as well as have the ability to view and discuss Portfolios, Comprehensive reviews, and Curriculum Requirements with M. Arch students more senior in the program.

2nd Year December –Core Studio Group Advising/Discussion

Following the completion of the Core III Studio Final Reviews, the faculty will hold an informal discussion with the second year students reflecting on what the students have studied in the Core and what is expected in the Advanced Studios.

April –Individual Comprehensive Studio Review w/ Faculty Committee

Following the completion of second year, students will be expected to produce a complete portfolio of Studio work, and meet with an assigned group of faculty members for a Comprehensive Review of their progress in Core and Advanced IV. At the Comprehensive Studio Review faculty will have an evaluation form /checklist, to ensure the faculty and student have a broad structure around which they thoroughly and consistently discuss the work. This discussion will attempt to convey briefly to each student the general feeling of the faculty about his or her design work and suggestions may be made on how to prepare for the following design studio. In those cases where the student is deemed to be having difficulty with the work, the review committee may recommend and/ or require

1. Additional design work before the student proceeds to the next term.
2. A failing grade be given for the studio, even if no warning letter was sent.

3rd Year September – Individual Transcript Review w/ Dean of Admissions + Faculty Advisors

Prior to the end of add/drop for the fall semester, each student should meet with the Dean of Admissions for a pre-graduation transcript review to ensure that all students are prepared to fulfill all graduation requirements. Students who require more focused studio/ history theory or building technology advising will be directed to the appropriate faculty member.

April/May – Final Portfolio Submission to Faculty Committee

At the completion of the MArch studio sequence, and prior to graduation, students are required to submit a portfolio of representative work from each semester and a final overview of their studies at the GSAPP.

INDEPENDENT RESEARCH OPTION

Students entering fifth-term architecture programs who are interested in pursuing an Independent Design Option may submit proposals to the thesis committee or the director of the advanced studios. This proposal should at a minimum comprise two typed pages and should be broken down into the following sections:

1. an identification of the problem and/or study area specifying the type, the area of study, or the state of the art;
2. a conceptual critique of this material formulating the nature of the problem or brief and the envisaged scope of the work to be performed;
3. a short bibliography, annotated where necessary.

The proposal must identify a critical problem in the current practice of architecture that is capable of precise research and development and of being brought to a specific resolution in terms of a hypothetical building project. Although the research and design stages are seen as being relatively independent in terms of procedure, the student must give indications as to how the research program may affect the built outcome.

If approved, the Independent Design Option may be developed first as independent research for credit (3 pts) in consultation with a faculty member who will serve as research tutor and a member of the advanced studios faculty who will be teaching in the spring term. This research is to be carried out while still fulfilling the standard studio requirements of the fifth term.

The design aspect of the Independent Design Option is to serve as the studio subject matter for the student who will develop the design under the supervision of the same member of the advanced studio faculty in the spring term.

OFFICIAL REGULATIONS

This bulletin is intended for the guidance of persons applying for or considering application for admission to Columbia University and for the guidance of Columbia students and faculty. The bulletin sets forth in general the manner in which the University intends to proceed with respect to the matters set forth herein, but the University reserves the right to depart without notice from the terms of this bulletin. The bulletin is not intended to be and should not be regarded as a contract between the University and any student or other person.

UNIVERSITY REGULATIONS

According to University regulations, each person whose registration has been completed will be considered a student of the University during the term for which he or she is registered unless the student's connection with the University is officially severed by withdrawal or otherwise. No student registered in any school or college of the University shall at the same time be registered in any other school or college, either of Columbia University or of any other institution, without the specific authorization of the dean or director of the school or college of the University in which he or she is first registered.

The privileges of the University are not available to any student until he or she has completed registration. A student who is not officially registered for a University course may not attend the course. No student may register after the stated period unless he or she obtains the written consent of the appropriate dean or director.

The University reserves the right to withhold the privilege of registration or any other University privilege from any person with an unpaid debt to the University.

ATTENDANCE

Students are held accountable for absences incurred owing to late enrollment.

RELIGIOUS HOLIDAYS

It is the policy of the University to respect its members' religious beliefs. In compliance with New York State law, each student who is absent from school because of his or her religious beliefs will be given an equivalent opportunity to register for classes or make up any examination, study, or work requirements that he or she may have missed because of such absence on any particular day or days. No student will be penalized for absence due to religious beliefs, and alternative means will be sought for satisfying the academic requirements involved.

Officers of administration and of instruction responsible for scheduling of academic activities or essential services are expected to avoid conflict with religious holidays as much as possible. If a suitable arrangement cannot be worked out between the student and the instructor involved, they should consult the appropriate dean or director. If an additional appeal is needed, it may be taken to the Provost.

*Since policies and procedures are subject to change, please check the Web site for FACETS, the University student handbook (<HTTP://WWW.COLUMBIA.EDU/CU/FACETS/>), for the most current information.

ACADEMIC DISCIPLINE

The continuance of each student upon the rolls of the University, the receipt of academic credits, graduation, and the conferring of any degree or the granting of any certificate are strictly subject to the disciplinary powers of the University.

Rules of University Conduct

The Rules of University Conduct (Chapter XLIV of the Statutes of the University) provide special disciplinary rules applicable to demonstrations, rallies, picketing, and the circulation of petitions. These rules are designed to protect the rights of free expression through peaceful demonstration while at the same time ensuring the proper functioning of the University and the protection of the rights of those who may be affected by such demonstrations.

The Rules of University Conduct are University-wide and supersede all other rules of any school or division. Minor violations of the Rules of Conduct are referred to the normal disciplinary procedures of each school or division ("Dean's Discipline"). A student who is charged with a serious violation of the Rules has the option of choosing Dean's Discipline or a more formal hearing procedure provided in the Rules.

All University faculty, students, and staff are responsible for compliance with the Rules of University Conduct. Copies of the full text are available in FACETS, the University student handbook (<HTTP://WWW.COLUMBIA.EDU/CU/FACETS/>), and at the Office of the University Senate, 406 Low Memorial Library.

The University's Office of Equal Opportunity and Affirmative Action (EOAA) has overall responsibility for the University's Equal Opportunity and Nondiscrimination Policies and has been designated to coordinate compliance activities under these policies and applicable federal, state, and local laws. Students, faculty, and staff may contact the EOAA Office to inquire about their rights under the University's policies, request mediation or counseling, or seek information about filing a complaint.

Complaints by students against students are governed by the Equal Educational Opportunity and Student Nondiscrimination Policies and Procedures on Discrimination and Harassment, which are printed here and are available online at HTTP://WWW.COLUMBIA.EDU/CU/VPAA/EOAA/DOCS/STUDENT_DISCRIM.HTML

Complaints by students against employees are governed by the Equal Employment Opportunity and Nondiscrimination Policies and Procedures on Discrimination, Discriminatory Harassment, and Sexual Harassment, which are available online at <HTTP://WWW.COLUMBIA.EDU/CU/VPAA/EOAA/DOCS/NONDISPOL.HTML>

For further information and assistance, contact: Office of Equal Opportunity and Affirmative Action 103 Low Library, MC 4333 212-854-5511 <HTTP://WWW.COLUMBIA.EDU/CU/VPAA/EOAA.HTML>

EQUAL EDUCATIONAL OPPORTUNITY AND STUDENT NONDISCRIMINATION POLICIES

Columbia University is committed to providing a learning environment free from unlawful discrimination and harassment, and to fostering a nurturing and vibrant community founded upon the fundamental dignity and worth of all of its members. Consistent with this commitment and with applicable laws, it is the policy of the University not to tolerate unlawful discrimination or harassment in any form and to provide students who feel that they are victims of discrimination or harassment with mechanisms for seeking redress.

Columbia University does not discriminate against any person in the administration of its educational policies, admissions policies, scholarship and loan programs, and athletic and other University-administered programs or permit the harassment of any student or applicant on the basis of race, color, sex, gender (including gender identity and expression), pregnancy, religion, creed, marital status, partnership status, age, sexual orientation, national origin, disability, military status, or any other legally protected status.

Nothing in this policy shall abridge academic freedom or the University's educational mission. Prohibitions against discrimination and harassment do not extend to statements or written materials that are germane to classroom subject matter.

All members of the University community are expected to adhere to the applicable policies and to cooperate with the procedures for responding to complaints of discrimination and harassment. All are encouraged to report any conduct believed to be in violation of these policies. All students and applicants for admission are protected from coercion, intimidation, interference, or retaliation for filing a complaint or assisting in an investigation under any of the applicable policies and laws. Subjecting another to retaliatory, intimidating, or coercive conduct for filing a complaint or participating in an investigation is prohibited and may be addressed as a separate violation.

DEFINITIONS

For purposes of these policies and procedures, discrimination, discriminatory harassment, and sexual harassment are defined as follows:

Discrimination is defined as:

- * treating members of a protected class less favorably because of their membership in that class; or
- * having a policy or practice that has a disproportionately adverse impact on protected class members.

Discriminatory harassment is defined as substantially interfering with an individual's educational experience by subjecting him or her to severe or threatening conduct or to repeated humiliating or abusive conduct, based on his or her membership in a protected class. This includes sexual harassment, which is described below in further detail.

Sexual Harassment

Unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature constitute sexual harassment when:

- * submission to such conduct is made either explicitly or implicitly a term or condition of an individual's education; or
- * submission to or rejection of such conduct by an individual is used as the basis for academic decisions affecting that individual; or
- * such conduct has the purpose or effect of unreasonably interfering with an individual's academic performance or creating an intimidating, hostile, demeaning, or offensive academic or living environment.

Consensual, romantic relationships between faculty and other employees and students are generally not considered sexual harassment and are not prohibited by University policy. Individuals should be aware, however, that these relationships are susceptible to being characterized as nonconsensual, and even coercive, if there is an inherent power differential between the parties, and can lead to complaints of sexual harassment. For further information, students and employees should consult the Romantic Relationship Advisory Statement, which is printed here and is available online at <HTTP://WWW.COLUMBIA.EDU/CU/VPAA/EOAA/DOCS/ROMANCE.HTML>.

DISABILITY ACCOMMODATION

Students seeking an accommodation for a disability should contact the Office of Disability Services at 212-854-2388. Information on the services provided by the Office may be found online at <HTTP://WWW.HEALTH.COLUMBIA.EDU/DOCS/SERVICES/ODS/INDEX.HTML>.

STUDENT PROCEDURES ON DISCRIMINATION AND HARASSMENT

The University offers a number of options for those seeking the assistance or intervention of offices and individuals authorized to respond to complaints of discrimination, discriminatory harassment, or sexual harassment. Any person who believes that he or she has been the subject of discrimination or harassment may choose initially to deal with the alleged offender directly through a face-to-face discussion, a personal telephone conversation, e-mail correspondence, or letters. In some cases, this approach may effectively resolve the situation; in those cases where it fails or falls short, the individual may pursue the other options provided. Students with questions as to the appropriate procedure in a particular situation should contact the Dean of Students for their school.

CONFIDENTIAL GUIDANCE AND ASSISTANCE

The University has crafted a “safe haven” for those individuals who want to approach a knowledgeable person for confidential conversations. Individuals who wish to take advantage of this option may contact either the University Ombuds Officer or a member of the University Panel on Discrimination and Sexual Harassment. These officers are not authorized to conduct formal investigations.

University Ombuds Office

The Ombuds Office is an informal, safe, and confidential place to voice concerns. The Ombuds Officer will listen, offer information about Columbia University policies and resources, and help visitors evaluate a range of options for resolving a problem. The visitor selects the course of action, if any. The Ombuds Officer may, with permission, participate in informal conflict resolution and may mediate if all parties agree. The Ombuds Office provides information about formal grievance procedures in other offices and is a resource for any kind of issue, including concerns that fall outside the scope of formal complaint channels. In some situations, the Ombuds Officer may help find ways to convey information while maintaining the anonymity of the source. Discussions with the Ombuds Officer are off-the-record and do not constitute notice to the University. For more information, see <HTTP://WWW.COLUMBIA.EDU/CU/OMBUDS/>.

University Panel on Discrimination and Sexual Harassment

The University Panel on Discrimination and Sexual Harassment is composed of trained, experienced, and accessible members of the Columbia community. Members of the Panel provide an informal, impartial, nonadversarial setting in which problems can be addressed through confidential counseling or mediation. Any student may approach any Panelist to discuss his or her concerns and seek advice. The Panelist may also meet with persons other than the student to ascertain facts relevant to appropriate resolution of the complaint or to seek an informal resolution to situations in which there are allegations of discrimination, discriminatory harassment, or sexual harassment. Discussions with Panelists are confidential and do not constitute notice to the University. A list of the current Panelists may be found online at <HTTP://WWW.COLUMBIA.EDU/CU/VPAA/EOAA/DOCS/SHPANEL.HTML>.

MEDIATION

Students may choose to resolve their complaints through mediation by the Office of Equal Opportunity and Affirmative Action, the University Ombuds Office, or the Mediation Clinic at Columbia Law School. Mediation is an informal, voluntary, and confidential process where parties can participate in a search for a fair and workable solution. Guidelines for mediation by the EOAA Office or the Mediation Clinic may be found online at <HTTP://WWW.COLUMBIA.EDU/CU/VPAA/EOAA/DOCS/MEDIATION.PDF>.

FORMAL COMPLAINT PROCEDURES AGAINST ANOTHER STUDENT

Dean's Discipline

Student complaints of discrimination or harassment against another student should be filed with the Dean of the school in which the accused student is enrolled. Complaints against students are investigated under the appropriate Dean's Discipline procedure of the accused student's school, with the exception noted below. Students found to have engaged in discrimination or harassment will be subject to discipline up to and including expulsion.

Disciplinary Procedures for Sexual Assault

Complaints involving nonconsensual physical contact of a sexual nature by a student against a student must be filed under Dean's Discipline or the Disciplinary Procedures for Sexual Assault. A copy of the Disciplinary Procedures for Sexual Assault may be obtained from the Program Coordinator of the Disciplinary Procedures for Sexual Assault, 701A Alfred Lerner Hall, or online at <HTTP://WWW.COLUMBIA.EDU/CU/SEXUALMISCONDUCT/HTML>.

PROCEDURE FOR COMPLAINT AGAINST A STUDENT ORGANIZATION

Students who wish to file a complaint of discrimination or harassment against a student organization should do so in consultation with the Dean of their own school; the Dean will identify the appropriate procedure and channels, and assist the student in pursuing the complaint.

PROCEDURE FOR COMPLAINT AGAINST AN EMPLOYEE

Office of Equal Opportunity and Affirmative Action

Student complaints of discrimination, discriminatory harassment, or sexual harassment against a member of the University's staff or faculty should be filed with the Office of Equal Opportunity and Affirmative Action. Complaints filed with the EOAA office are governed by the Equal Employment Opportunity and Nondiscrimination Policies and Procedures on Discrimination, Discriminatory Harassment, and Sexual Harassment, which are available online at <HTTP://WWW.COLUMBIA.EDU/CU/VPAA/EOAA/DOCS/NONDISPOL.HTML>. The Office of Equal Opportunity and Affirmative Action is located at 103 Low Memorial Library and can be reached by telephone at 212-854-5511.

Grievance Procedures

Students should consult their school's policy for the appropriate procedure to complain about a faculty member's conduct in an instructional setting. School policies may be found on the Provost's Web page at <HTTP://WWW.COLUMBIA.EDU/CU/PROVOST/DOCS/POLICIES.HTML>.

INDEPENDENT INVESTIGATION

Statement of Compliance with Laws Promoting Equal Educational Opportunity and Prohibiting Discrimination and Harassment

The University, at the discretion of the General Counsel, may conduct an investigation independent of or in addition to the procedures provided herein at any time. The investigation may involve complaints or allegations concerning discrimination, discriminatory harassment, or sexual harassment against the University or any of its employees or students.

In accordance with all applicable laws and pursuant to its own policies and operating procedures, Columbia University provides for equal opportunity and prohibits unlawful discrimination and harassment. The applicable laws include:

* Title VI of the Civil Rights Act of 1964, as amended, prohibits discrimination against any person on the basis of race, color, or national origin in programs or activities receiving federal financial assistance.

- * Title IX of the Education Amendments of 1972, as amended, prohibits discrimination on the basis of sex in the conduct or operation of a school's educational programs or activities, including admission to these programs and activities.
- * Section 504 of the Rehabilitation Act of 1973 prohibits the exclusion of any person solely on the basis of a disability from participation in or access to benefits of any federally financed program or activity; it also prohibits discrimination against any person solely on the basis of disability in any federally financed program or activity.
- * The Americans with Disabilities Act of 1990 prohibits discrimination against persons with disabilities in public accommodation.
- * The Age Discrimination Act of 1975 prohibits discrimination on the basis of age in programs and activities receiving federal financial assistance.
- * The New York Executive Law, Article 15, Section 296(4), prohibits an educational institution from denying the use of its facilities to anyone otherwise qualified or permitting harassment of a student or applicant on the basis of color, race, religion, disability, national origin, sexual orientation, military status, sex, age, and marital status.
- * The New York Education Law, Section 313, as amended, prohibits educational institutions from discriminating against persons seeking admission as students to any institution, program, or course because of race, color, sex, religion, creed, marital status, age, sexual orientation, or national origin.
- * The New York City Human Rights Law, Section 8-107, prohibits discrimination on the basis of actual or perceived race, creed, color, national origin, age, gender (including gender identity and expression), disability, marital status, partnership status, sexual orientation, or alienage or citizenship status in public accommodations.

Any person wanting to file a complaint under any of these laws should consult the Web site of the relevant government agency listed below:

Office of Civil Rights, U.S. Department of Education

<HTTP://WWW.ED.GOV/ABOUT/OFFICES/LIST/OCR/INDEX.HTML>

U.S. Department of Justice

<HTTP://WWW.ADA.GOV/>

New York State Department of Human Rights

<HTTP://WWW.DHR.STATE.NY.US/OFFICES.HTML>

New York City Commission on Human Rights

<HTTP://WWW.NYC.GOV/HTML/CCHR/HOME.HTML>

Questions regarding this Advisory Statement may be directed to Susan Rieger, Office of Equal Opportunity and Affirmative Action, 103 Low Memorial Library, Mail Code 4333, 535 West 116th Street, New York, NY 10027; 212-854-5511.

THE ROMANTIC RELATIONSHIP ADVISORY STATEMENT

Columbia University's educational mission is promoted by the professionalism in its faculty-student and staff-student relationships. Faculty and staff are cautioned that consensual romantic relationships with student members of the University community, while not expressly prohibited, can prove problematic. While some relationships may begin and remain harmonious, they are susceptible to being characterized as nonconsensual and even coercive. This sometimes occurs when such a relationship ends and is exacerbated by the inherent power differential between the parties. A faculty or staff member involved in a consensual relationship with a student is expected to remove him/herself from academic or professional decisions concerning the student. This expectation arises because the relationship may impair, or may be perceived as impairing, a faculty or staff member's ability to make objective judgments about that student. The Provost has authorized some departments to adopt more restrictive policies, given the special nature of the relationship between their students and faculty or staff. Individuals are, therefore, encouraged to contact their department head if they have any questions about whether a more restrictive policy applies to them. Departments that wish to establish more restrictive policies should contact the Associate Provost for Equal Opportunity and Affirmative Action before implementation. Should a romantic relationship with a student lead to a charge of sexual harassment against a faculty or staff member, the University is obligated to investigate and resolve the charge in accordance with the Equal Employment Opportunity and Nondiscrimination Policies and Procedures on Discrimination, Discriminatory Harassment, and Sexual Harassment. Questions regarding this Advisory Statement may be directed to Susan Rieger, Office of Equal Opportunity and Affirmative Action, 103 Low Memorial Library, Mail Code 4333, 535 West 116th Street, New York, NY 10027; 212-854-5511.

RIGHT TO WORK DONE IN SCHOOL

The School reserves the right to retain a copy of any work submitted for credit-drawings, designs, plates, essays, or models, as well as any fellowship competition models-whether submitted by graduates or by students in residence. The material in the Archives is not available to students for reproduction. Students are responsible for documenting their own work and for maintaining a portfolio, updated after each term.

THE FEDERAL FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA)

The University abides by the provisions of the Federal Family Educational Rights and Privacy Act of 1974. This act ensures a wide range of rights, including but not limited to: information about student records that the University maintains, who maintains them, who has access to them, and for what purposes access is granted. The act also permits the University to release "directory information" without a student's consent. In addition,

the act guarantees students access to their records and restricts the access of others. Students who wish to restrict access to their directory information may do so on the Morningside campus at the Registrar's Office, 205 Kent; students at Columbia University Medical Center may do so at the Registrar's Office located in 1-141 Black Building. The guidelines are available on ColumbiaWeb and in FACETS, the University student handbook (<HTTP://WWW.COLUMBIA.EDU/CU/FACETS/>).

Questions about the interpretation of the guidelines should be referred to the University's General Counsel, 412 Low Library.

SEXUAL ASSAULT POLICY AND COLUMBIA UNIVERSITY POLICY STATEMENT AGAINST SEXUAL ASSAULT

Gender Based Misconduct Policies

In cases involving allegations of gender-based misconduct (including sexual harassment, sexual assault, gender-based harassment, stalking and intimate partner violence), students should consult the Gender-Based Misconduct Policies for Students at: <HTTP://WWW.ESSENTIAL-POLICIES.COLUMBIA.EDU/GENDER-BASED-MISCONDUCT-POLICIES-STUDENTS>

COMPLAINT RESOLUTION OPTIONS

A student may choose to initiate disciplinary proceedings through Dean's Discipline, in which case s/he will file a complaint with the Dean of the school of the accused student. Alternatively, a student may choose to file a complaint using the University-wide Disciplinary Procedure. This procedure, established specifically to address allegations of sexual assault, ensures that the members of the committee hearing the case will be specially trained in adjudicating sexual assault. A student who has been found to have violated this policy may be subject to sanctions including, but not limited to, reprimand, disciplinary probation, suspension, and dismissal. A student may also be barred from certain University facilities or activities, or be required to attend education programming. Sanctions are imposed by the Dean of the student's school in accord with University rules. The disciplinary authority of the University is vested by the Trustees in the President and Provost and, subject to their reserved powers, in the Dean of each faculty. A student may seek to pursue a third option, the mediation of sexual assault cases, either through the University Ombuds Office or through the Office of the Disciplinary Procedure for Sexual Assault.

If a member of the community believes s/he has been sexually assaulted by an employee of the University, s/he is advised to contact Helen Arnold, Administrative Coordinator, Disciplinary Procedure for Sexual Assault, 701-A Lerner Hall; (212) 854-1717; HVA2002@COLUMBIA.EDU.

SCHOOL SERVICES

CAMPUS SAFETY AND SECURITY

At Columbia University, the safety and well-being of our students, faculty, and staff is an important priority. Columbia's campuses and their environs are safe and have a relatively low crime rate for an urban university.

The University is required by federal law to publish an annual security report containing information with respect to campus security policies and statistics on the incidence of certain crimes on and around our campuses. This information is available in FACETS, the University student handbook (<HTTP://WWW.COLUMBIA.EDU/CU/FACETS/>); at the Web site for the United States Department of Education (<HTTP://OPE.ED.GOV/SECURITY/SEARCH.ASP>); by requesting a copy of the report from: Campus Crime Report, Department of Public Safety, Columbia University, 111 Low Library, Mail Code 4301, 535 West 116th Street, New York, NY 10027; or on the Public Safety Web site (<HTTP://WWW.COLUMBIA.EDU/CU/PUBLICSAFETY/>).

The following Academic Calendar was correct and complete as of March 15, 2006; however, the University reserves the right to revise or amend it, in whole or in part, at any time. Information on the current status of the Academic Calendar may be obtained in the Office of the Registrar, 205 Kent; 212-854-1458; <HTTP://WWW.COLUMBIA.EDU/CU/REGISTRAR/>.

MAJOR RELIGIOUS HOLIDAYS

For a statement of University policy regarding holidays, see Religious Holidays under Official Regulations.

The Jewish and Islamic holy days begin at sundown of the preceding day. The exact dates for the Islamic holy days may vary by one or two days from the estimated dates given below.

Fall Term 2017

SEPTEMBER

8 Tuesday. First day of classes.

OCTOBER

21 Wednesday. Conferring of degrees and certificates.

NOVEMBER

2-3 Monday-Tuesday. Election Day holidays.

26-29 Thursday-Sunday. Thanksgiving holidays.

DECEMBER

14 Monday. Last day of classes.
15 Tuesday. Study day.
16-23 Wednesday-Wednesday. Final examinations.

Spring Term 2018

JANUARY

19 Tuesday. First day of classes.

FEBRUARY

10 Wednesday. Conferring of degrees and certificates.

MARCH

13-21 Saturday-Sunday. Spring holidays.

MAY

3 Monday. Last day of classes. 4-6 Tuesday-Thursday. Study days. 7-14 Friday-Friday.
Final examinations.
Commencement

MAY

18 Tuesday. Conferring of degrees and certificates.

Disability Services

The Office of Disability Services (ODS) empowers students with disabilities to realize their academic and personal potential by facilitating equal access and coordinating reasonable accommodations and support services for eligible students.

Reasonable accommodations are adjustments to policy, practice, and programs that "level the playing field" for students with disabilities and provide equal access to Columbia's programs and activities. Examples include the administration of exams, services such as note-taking, sign language interpreters, assistive technology, and coordination of accessible housing needs. Accommodation plans and services are custom designed to match the disability-related needs of each student and are determined according to documentation and the student's program requirements. Registration includes submission of both the Application for Accommodations and Services and disability documentation. The application and disability documentation guidelines are available online and at the ODS office. Students are encouraged to register within the first two weeks of the semester to ensure that reasonable accommodations can be made for that term. Please note that students are not eligible to receive reasonable accommodations until the registration process is complete.

Disability Services Liaisons are representatives from the student's respective school and assist ODS in coordinating the provisions of reasonable accommodations.

For further information, contact the Columbia University Office of Disability Services: 212-854-2388; 212-854-2378 (TTY); 212-854-3448 (fax); disability@columbia.edu; www.health.columbia.edu. The Morningside campus office is located at 801 Lerner, MC 2605, 2920 Broadway, New York, NY 10027. The Medical Center campus office is located at 101 Bard Hall, 50 Haven Avenue, New York, NY 10032.

CAREER SERVICES

Career Services at GSAPP strives to keep students in touch with the professional world beyond Avery Hall, and insure that professionals are aware of our excellent students. Each degree program at GSAPP has a dedicated Career Services officer. Career Services hosts events, including Alumni Speed Networking, Career Fairs, Portfolio Reviews and Panel discussions. GSAPP students can meet individually with their Career Services officer to review career options, revise a resume or cover letter, plan job search strategy, and practice interview skills. Students who wish to apply their expertise and skills in a real world setting during their studies can do an internship for credit, which is also administered by Career Services. Career Services maintains a job board where students can find opportunities for on-campus jobs, internships, and post-graduate positions. Additionally, in collaboration with the GSAPP Alumni Board, Career Services now matches more than 200 current students to alumni mentors based in NYC and around the world. Career Services is working towards building a comprehensive alumni database in Simplicity from which we can draw conclusions about GSAPP graduates in the job market, keep in touch, and connect alumni with current students.

Architecture & Urban Design, Francesca Fanelli
Real Estate Development, Rebecca Andersen Polimeda
Urban Planning, Margaret Wiryaman
Historic Preservation, Melissa Parsowith

CENTER FOR CAREER EDUCATION

Each semester the Center for Career Education, through its Graduate Student Career Development department, offers programs and services designed to help graduate students prepare for careers after Columbia. Our programming includes career development workshops, topical career panel presentations, specialized speaker programs, and career fairs, each with a distinctive focus on the needs of master's and Ph.D. candidates, whether they are pursuing careers outside the academy or in academia. Graduate Student Career Development also offers career counseling, on a walk-in or by appointment basis, as well as psychometric testing. Our emphasis is on helping students develop the tools and self-awareness that will enable them to find the job they want.

The Center provides distinctive career services to undergraduates and alumni of Columbia, as well as to graduate students. Through its Employer and Alumni Relations department it maintains relationships with potential employers of Columbia students and coordinates recruiting events on campus. More generally, the Center offers a Career Resource Center for research into career options, as well as an Internet-based job posting service (ColumbiaTRAK and InterviewTRAK) listing full-and part-time employment opportunities as well as internships. Through the Center's Web site (<http://careereducation.columbia.edu/>), upcoming career events are calendared, news of interest to job seekers is posted, and a wide range of information resources

are available to assist in career exploration, preparation, and assessment. The Center encourages students to register on its Web site-and to check the Web site frequently-to ensure they stay up to date with Center events and resources.

We strongly encourage students to explore the career resources available to them through our Web site and by visiting the Center, which is located in East Campus, Lower Level, or by making an appointment to meet with a career counselor by calling 212-854-5609 for an appointment. We look forward to meeting you.

GOVERNANCE: SCHOOLWIDE AND PROGRAM COMMITTEES

Schoolwide Committees:

FACULTY

Full faculty meetings normally take place once a year chaired by the President of the University or the Provost. The faculty is responsible for approving the requirements of admissions, the programs of study, and the conditions of graduation. The faculty consists of full-time and invited part-time faculty members.

COMMITTEE ON INSTRUCTION

The Committee on Instruction acts in an advisory capacity to the dean on education policy and curriculum. It is responsible under the dean and subject to approval by the full faculty for authorizing changes in course offerings. The Committee on Instruction consists of the dean, who serves as chair; the associate dean (ex-officio), as designated by the dean; six full-time faculty members; and four elected students.

COMMITTEE ON ADMISSIONS AND FINANCIAL AID

This committee determines which applicants shall be admitted in the various programs within the School. It may delegate part of its function to subcommittees. It consists of the dean and the associate dean for admissions, and all program directors. Subcommittees may include full-time as well as part-time faculty members and graduating students.

COMMITTEE ON STUDENT PERFORMANCE

This committee is an appeals committee acting on matters involving (a) advanced standing and (b) students with unsatisfactory academic records.

This committee consists of the dean, the associate dean for admissions, and three members of the faculty as designated by the dean.

COMMITTEE ON FELLOWSHIPS AND AWARDS

This committee acts on all matters related to student awards, scholarships, fellowships, prizes, and grants.

It may delegate part of its function to subcommittees. It consists of the dean, the associate dean for financial aid (ex-officio), and all program directors.

DIRECTORS' COMMITTEE

This committee develops pedagogical policy in accordance with the overall goals of the School and the requirements set by the faculty and the various School committees. It consists of the dean, who serves as chairman, and all program directors, as appointed

by the dean and confirmed by the faculty of their respective programs.

EXECUTIVE COMMITTEE

This committee acts in an advisory capacity to the dean on tenure and promotional procedures within the School. The committee consists of the tenured members of the faculty.

PROGRAM COMMITTEES

Architecture Committee on Fellowships and Awards

This committee acts on matters related to student awards, scholarships, fellowships, prizes, and grants in the M.Arch., M.S. Building Design, and Urban Design Programs. It also acts on the dispersal of William Kinne Fellow funds allocated to the M.Arch. Program. It decides on the method of allocation, supervises the program of M.Arch. noncompetitive grants, and judges applications for the competitive graduate fellowships. It also chooses the student nominees for the SOM Foundation Fellowship Awards, and any other architectural awards.

The committee consists of the dean, architecture program directors, and three invited full-time or part-time faculty members.

ARCHITECTURE COMMITTEE ON INDEPENDENT DESIGN OPTION

Consists of the dean and Architecture Program directors.

ARCHITECTURE HISTORY/THEORY COMMITTEE

Consists of the dean and History/Theory faculty.

ARCHITECTURAL BUILDING TECHNOLOGIES COMMITTEE

Consists of the dean and selected Building Technologies faculty.

ARCHITECTURE FACULTY

The entire architecture faculty meets once, usually close to the beginning of the term. In addition, there may be full-time faculty meetings during the term.

Architecture Program Council

The program council is an advisory body that may initiate and deliberate questions of policy concerning the goals, structures, curriculum, and programs as well as admissions, recruitment of faculty, and operating procedures of the program. The council also makes recommendations to the Committee on Instruction regarding changes in curriculum. Matters requiring further action (e.g., changes in curriculum) are submitted directly to the dean and faculty as necessary.

The council consists of the dean, the architecture directors or their representatives,

and two student members from each year of each architecture program. The student representatives are elected each year during the first or second meeting of the Studio. The representatives serve for a year.

Council meetings, announced by public notice, are open to all students in the Architecture Program; however, only elected representatives can vote. The council elects a chairperson for the year who is responsible for calling and chairing meetings, which are held on a regular basis. One of the student members will be elected as secretary to the council and will aid the chairperson of the council with the scheduling of meetings, the preparation of agenda, and the recording and posting of minutes. The agenda includes items selected by council members from student suggestions. The council is responsible for the communication of all its decisions and discussions to the student body.

URBAN PLANNING PROGRAM COUNCIL

The program council is an advisory body that initiates and deliberates questions of policy concerning the goals, structures, curriculum, and programs as well as admissions, recruitment of faculty, and operating procedures of the program. The council also makes recommendations to the Committee on Instruction regarding changes in curriculum. Matters requiring further action (e.g., changes in curriculum) are submitted directly to the director of the program or forwarded to the dean and faculty as necessary.

The Urban Planning Program Council is composed of two student representatives from each year of the Urban Planning Program, one student from the Ph.D. Program, and at least two full-time faculty members. A student serves as the convener of the council.

Council meetings, announced by public notice, are open to all students in the Urban Planning Program; however, only elected representatives may vote. The council elects a chairperson for the year who is responsible for calling and chairing meetings, which are held on a regular basis. One of the student members will be elected as secretary to the council and will aid the chairperson of the council with the scheduling of meetings, the preparation of agenda, and the recording and posting of minutes. The agenda includes items selected by council members per students' suggestions. The council is responsible for the communication of all its decisions to the student body.

American Planning Association

Each year one faculty member and one student are chosen to serve as APA representatives. They are the liaisons between the association and the Urban Planning Program: students should contact them for any information on APA events or programs.

URBAN PLANNING FACULTY

The full-time faculty of the Urban Planning Program meets once a month. The director

of the Urban Planning Program meets with all other program directors once a month. Historic Preservation Program Council

Four members of the program council are elected by the respective students in the first-and second-year classes. Directly after classes begin, the first-year class elects three people to represent that class.

The program council meets with the director and faculty two or three times during the course of a term. An agenda is set between the faculty and the program council before the meetings.

The stated purpose of the program council-but not limited to this purpose only-is as follows:

1. to review and advise on program curriculum planning;
2. to prepare and analyze course evaluations;
3. to bring matters of concern to students about the program to the attention of the director and the faculty.

REAL ESTATE STUDENT COMMITTEES

Student committees of the Real Estate Development Association are charged with both advising and administering certain activities in the program. The Lecture Series Committee assists in the operation of the Fall Lecture Series and also plans and organizes the Spring Lecture Series. The Job Placement Committee identifies potential firms for recruiting and for career discussion panels scheduled on Wednesday evenings. The Student Admissions Committee is formed in the spring term to assist in the admissions process for the following year and advise on admissions for potential candidates.

FACULTY OF ARCHITECTURE, PLANNING & PRESERVATION

Lee C. Bollinger, *J.D. President of the University*

John Henry Coatesworth, *Ph.D. Provost of the University*

Amale Andraos *Dean of the Faculty of Architecture, Planning and Preservation*

Robert A. Beauregard Professor of Urban Planning
B.Arch., Rhode Island School of Design, 1969; Ph.D. (City and Regional Planning),
Cornell, 1975. Harvey S. Perloff Endowed Chair: visiting professor, UCLA, 1994;
docent professor, Department of Social Policy, University of Helsinki, 2003-present;
visiting professor, Department of Geography, King's College, London, 2007-2010.

Michael Bell *Associate Professor of Architecture*

B.S., Catholic University of America, 1983; M.Arch., University of California, Berkeley,
1987. Progressive Architecture Design Award and Citation, 1991, 1992, 1996, 2001;
Graham Foundation Grant, 1997, 2003; Emerging Voices Award, Architectural League
of New York, 1999.

Joseph Connors *Professor of Art History*

B.A., Boston College, 1966; B.A., Clare College (Cambridge), 1968; M.A., Harvard,
1972; Ph.D., 1978. Guggenheim Fellow, 1986-1987; NEH Senior Fellowship, 1994-
1995; Visiting Fellow, All Souls Oxford, 1999; Fulbright Commissioner for Italy, 1988-
1992.

J. Yolande Daniels *Assistant Professor of Architecture*

B.S.Arch., City College, the City University of New York, 1987; M.Arch., Columbia,
1990. A.I.A. Travel Grant, 1996. Whitney Museum of American Art Independent Study
Program, 1996-1998. Young Architects Award, Architectural League of New York,
1999.

Kathryn Dean *Assistant Professor of Architecture*

B.A., North Dakota State University, 1981; M.Arch., Oregon, 1983. Rome Prize, 1987;
Young Architects Award, Progressive Architecture, 1993; Honor Award, New York City
A.I.A., 1996, 1997; Emerging Voices Award, Architectural League of New York, 1997;
2 Excellence Awards, New York State A.I.A., 1998; Honor Award, National A.I.A., 1998;
Alumni Achievement Award, North Dakota State University, 1998. Registered architect.

Andrew S. Dolkart *Fitch Associate Professor of Historic Preservation*

B.A., Colgate, 1973; M.S., Columbia, 1977. Association of American Publishers Pub-
lication Award, 1998; A.I.A. New York Chapter Special Citation, 1999; James Mar-
ston Fitch Foundation Mid-Career Fellowship, 2001; member, Municipal Art Society
Preservation Committee; chair, Committee on Cultural Landmarking; board of directors,
Landmarks West.

Kenneth Frampton Ware Professor of Architecture

Dipl. Arch., Dipl. Trop., Architectural Association (London), 1956; A.R.I.B.A., 1957; Honorary Doctorate of Technology, Royal Institute of Technology, Stockholm, 1991; Honorary Doctorate in Environmental Studies, University of Waterloo, 1995; Honorary Doctorate in Environmental Studies, California College of the Arts and Crafts, 1999. Medaille d'Or, Academie d'Architecture Paris, 1987; ACSA Topaz medal for excellence in architectural education, 1990; associate of the A.I.A., 1993; fellow, American Academy of Arts and Sciences, 1993; member, Russian Academy of the Constructional Science, 1995.

Lance Freeman Assistant Professor of Urban Planning

B.S., State University of New York (Buffalo), 1987; M.R.P., University of North Carolina at Chapel Hill, 1991; Ph.D., 1997. Member, American Planning Association; member, Urban Affairs Association.

Sigurd Grava Special Lecturer in Urban Planning; Professor Emeritus of Urban Planning
B.C.E., College of the City of New York, 1955; M.S., Columbia, 1957; Ph.D., 1965.

William F. Kinne Fellows Traveling Fellow, 1958. Fellow, American Institute of Certified Planners; American Planning Association; American Society of Civil Engineers; Latvian Academy of Sciences. Licensed professional planner; Fulbright Lecturer, 1994.

Cyril M. Harris Special Lecturer in Architecture; Professor Emeritus of Architecture and Charles Batchelor Professor Emeritus of Electrical Engineering

B.A., California (Los Angeles), 1938; M.A., 1940; Ph.D., M.I.T., 1945; Sc.D. (hon.), New Jersey Institute of Technology, 1981; Sc.D. (hon.), Northwestern, 1989. Franklin Medal, 1977; Wallace Clement Sabine Medal, 1979; A.I.A. Medal, 1980; gold medal, Audio Engineering Society, 1984; gold medal, Acoustical Society of America, 1987; Pupin Medal, Columbia University, 1999. Member, National Academy of Engineering; National Academy of Sciences.

Laurie Hawkinson Associate Professor of Architecture

B.A., California (Berkeley), 1974; M.A., 1975; B.Arch, Cooper Union, 1983. Grant, New York State Council on the Arts; Board of Directors, Architectural League of New York; N.C.A.R.B. certificate. Grant, Graham Foundation for Advanced Studies in Architecture and the Fine Arts, 1999. Registered architect.

Steven Holl Professor of Architecture

B.Arch., Washington (Seattle), 1971. Architectural Association (London), 1976. N.C.A.R.B. certificate. New York State Council on the Arts Fellowship, 1979. Arnold W. Brunner Prize in Architecture, 1990; Alvar Aalto Medal, 1998; Grande Medailles d'Or, 2001; 2002 Cooper Hewitt National Design Award in Architecture. Honorary Fellow of the Royal Institute of British Architects. Registered architect.

Kenneth T. Jackson Jacques Barzun Professor of History and the Social Sciences

B.A., Memphis, 1961; M.A., Chicago, 1963; Ph.D., 1966. Fulbright Professor, 1974 and 1992; Guggenheim Fellow, 1983-1984; fellow, Society of American Historians. Bancroft Prize, 1986; Francis Parkman Prize, 1986; Mark Van Doren Award, 1987;

president, Urban Historians Association, 1994; Great Teacher Award, Columbia, 1999; president, Organization of American Historians, 2000; New York State Scholar of the Year, 2001.

Peter Marcuse Professor of Urban Planning

B.A., Harvard, 1948; J.D., Yale, 1952; M.A., Columbia, 1963; M.U.S., Yale, 1968; Ph.D., California (Berkeley), 1972. Fellow, American Institute of Certified Planners; Connecticut Bar Association.

Reinhold Martin Associate Professor of Architecture

B.Arch., Rensselaer Polytechnic Institute, 1987; Grad. Dipl. (History and Theory), Architectural Association, 1991; M.A. (Architecture), Princeton, 1995; Ph.D., 1999. Whiting Fellow in the Humanities, 1996-1997. Editor, Grey Room. Registered architect.

Mary McLeod Professor of Architecture

B.A., Princeton, 1972; M.Arch., 1975; M.A., 1976; Ph.D., 1985. Social Science Research Council Fellow, France, 1977; Fulbright/Hayes, France, 1977. NEH, 1987; New York State Council on the Arts, 1998.

Kate Orff Assistant Professor of Architecture

B.A., Political and Social Thought, University of Virginia (Dist), 1993; M.L.A., Harvard University Graduate School of Design, 1997. Registered landscape architect.

Jorge Otero-Pailos Assistant Professor of Historic Preservation

B.Arch., Cornell, 1994; M.Arch., 1995; Ph.D. (in Architecture), M.I.T., 2002. Angel Ramos Foundation Research Grant, 1995; Schlossman Dissertation Fellowship, 2000; Graham Foundation for Advanced Studies in the Fine Arts, 2004. Postdoctoral Fellow, American Scandinavian Foundation, 2004; Postdoctoral Fellow, Canadian Center for Architecture, 2005. Hyzen Dissertation Award, 2000; Henry Luce Foundation, Dissertation Research Award, 2000; New York State Council for the Arts, 2003; Lawrence B. Anderson, M.I.T. Alumni Award, 2004. Member, DoCoMoMo National Board.

Richard A. Plunz Professor of Architecture; Director, Urban Design Program

B.S., Rensselaer Polytechnic Institute, 1965; B.Arch., 1966; M.Arch., 1967.

Jan Hird Pokorny Special Lecturer in Architecture; Professor Emeritus of Architecture
Engineer-Architect, Polytechnical University of Prague, 1938; M.S., Columbia, 1941. Fellow, A.I.A. Vice president, National Academy of Design. Commissioner, New York City Art Commission, 1973-1977. Commissioner, New York City Landmarks Preservation Commission. Registered architect.

Elliott D. Sclar Professor of Urban Planning; Director, Urban Planning Program

B.A., Hofstra, 1963; M.A., Tufts, 1966; Ph.D., 1972. Research associate, Economic Policy Institute, Washington, D.C. Project director, Twentieth Century Fund, New York. Member, American Planning Association; Society for American City and Regional Planning History.

Felicity D. Scott Assistant Professor of Architecture

B.Arch., Royal Melbourne Institute of Technology, 1991; B.Sc. (History and Philosophy of Science), University of Melbourne, 1991; M.A.U.D., Harvard, 1994; M.A. (Architecture), Princeton, 1997; Ph.D., 2001. J. Paul Getty Postdoctoral Fellowship in the History of Art and the Humanities, 2002-2003; Henry Luce/ACLS Doctoral Dissertation Fellowship in American Art, 1998-1999; Harold W. Dodds Fellowship, Princeton, 1997-1998.

Galia Solomonoff Assistant Professor of Architecture

B.S.Arch., City College, City University (New York), 1991; M.Arch., Columbia, 1994. McKim Prize for Excellence in Design, National Endowment for the Arts grant, 2000; Architectural Record Design Vanguard, 2003; Architectural League Emerging Voices, 2002. Board member, Tenement Museum. New York registered architect.

Smita Srinivas Assistant Professor of Urban Planning

B.A., Smith College, 1991; M.S., Yale University, 1993; Certificat, Institut Universitaire de Hautes Etudes Internationales (Geneve, Suisse), 2000; Ph.D., M.I.T., 2004. Pre- and post doctoral fellowships, Harvard, 2002-2005. Nominated member, Sigma Xi.

Stacey Sutton Assistant Professor of Urban Planning

B.A., Loyola College (Baltimore), 1989; M.B.A., New York University, 1996; Ph.D., Rutgers University (Urban Planning and Sociology), 2006. Member: American Planning Association; American Sociological Association; Urban Affairs Association.

Bernard Tschumi Professor of Architecture

Dipl. Arch. E.T.H., Zurich, 1969. Arts Council of Great Britain, 1975. National Endowment for the Arts, 1979. Member, College International de Philosophie, Chevalier des Arts et des Lettres, and Legion of Honor, France. Registered architect.

Mark Wigley Professor of Architecture; Dean of the Faculty of Architecture, Planning, and Preservation

B.Arch., University of Auckland (New Zealand), 1979; Ph.D., 1987. Resident fellowship, Chicago Institute for Architecture and Urbanism, 1989; International Committee of Architectural Critics (C.I.C.A.) Triennial Award for Architectural Criticism, 1990; Graham Foundation Grant, 1997.

Mabel O. Wilson Associate Professor of Architecture

B.S., Virginia, 1985; M.Arch., Columbia, 1991; Ph.D. (American Studies), New York University, 2007. MacCraken Fellowship, New York University, 1995; visiting scholar, Getty Research Institute, 2002. Member, American Studies Association.

Gwendolyn Wright Professor of Architecture, Planning, and Preservation

B.A., New York University, 1969; M.Arch., California (Berkeley), 1974; Ph.D., 1978. Woodrow Wilson Fellowship, 1977; Ford Foundation Fellowship, 1979-1980; NEH Fellowship, 1980-1982; Stanford Humanities Center Fellowship, 1982-1983; University of Michigan, Institute for the Humanities Fellowship, 1991; Getty Center for the History of Art and the Humanities Fellowship, 1992-1993; New York Institute for the

Humanities Fellow, 1983-1992; Guggenheim Fellow, 2004-2005.

OTHER OFFICERS OF INSTRUCTION

Peter Abeles Adjunct Associate Professor of Urban Planning
B.A., Cornell, 1954; M.S.U.P., M.I.T., 1958. Fulbright Scholar, 1959.

Mitchell Adelstein Adjunct Assistant Professor of Real Estate Development
B.A., Syracuse, 1985. Licensed real estate broker; member, Appraisal Institute.

Moshe Adler Adjunct Associate Professor of Urban Planning
B.Sc., Mathematics, Tel Aviv University, 1972; Ph.D., Economics, UCLA, 1982.

John Alschuler Jr. Adjunct Assistant Professor of Real Estate Development
A.B., Wesleyan University, 1970; Ed.D., University of Massachusetts, 1973.

Alisa Andrasek Adjunct Assistant Professor of Architecture
Diploma in Architecture and Urbanism, University of Zagreb, 1997; M.S. in Advanced Architectural Design, Columbia, 2000.

Philip Anzalone Adjunct Assistant Professor of Architecture
BPS.Architecture, State University of New York (Buffalo), 1994; M.Arch., Columbia, 1997.

Leo E. Argiris Adjunct Assistant Professor of Architecture
B.E., Cooper Union, 1984; M.E., 1985; M.B.A., Baruch College, 1989. Professional engineer in New York, New Jersey, Pennsylvania, Florida, California, Michigan, Utah, North Dakota, Texas, North Carolina.

Erieta Attali Adjunct Assistant Professor of Architecture
B.A. (Photography), Athens Technical Institution, 1992; M.A., Goldsmiths College, University of London, 1998. Fulbright Artist Award in Architectural Photography, 2000-2001; Japan Foundation Artist Fellowship, 2002-2003; Graham Foundation recipient, 2004.

Sunil Bald Adjunct Assistant Professor of Architecture
B.A., California (Santa Cruz), 1986; M.Arch., Columbia, 1991. A.I.A. Medal, 1991; Fulbright Fellow; Young Architects Award, Architectural League of New York, 1999.

Mojdeh Baratloo Adjunct Associate Professor of Architecture
M.Arch., University of Michigan, 1978. Project and Interiors Awards, New York Chapter, A.I.A., 1990. Fellow in Architecture, New York Foundation for the Arts, 1990. NYSCA Research Grant, 1990. NEA Arts in Public Places, Design Arts/Visual Arts Collaboration Grant, 1989, and Project Grant, 1993. Interior Design Award, 1996; 40 Under 40, Emerging Voices, 1996. Registered architect.

Richard Bass Adjunct Associate Professor of Urban Planning

B.A., University of South Florida; M.U.P., Hunter College, 1977. Licensed professional planner.

Harold K. Bell *Special Lecturer in Architecture, Urban Planning, and Real Estate Development; Professor Emeritus of Urban Planning and Real Estate Development*

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A.I.A. citation, Teaching Excellence for Urban Design Studios at Columbia University, 1998. Member, A.I.A. Registered architect.

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