



# Student Handbook 2017-2018

# Master of Urban Design

**Program Director:** Ann Komara

Professor and Chair of Department of Landscape Architecture Director of  
Master of Urban Design Program



**College of Architecture and Planning**  
University of Colorado Denver



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# Welcome Letter

**Dear Master of Urban Design students,**

This is a potent time to be engaged in the pursuit of our design and planning professions, with many opportunities. The issues we address in our program build on your previous areas of expertise, and advance your knowledge and capacity to influence and shape the public realm and the lives of people in our cities. Moreover, it is becoming increasingly clear that practices and decisions you make as designers can and will have impact far beyond the areas in which you practice. Your work encounters and addresses issues such as water and its quality and availability globally; pollution and other environmental health hazards; sustainability of resources including human, environmental, and material; environmental and ecological balance; and quality of life through health and well-being. These latter areas are current foci in the program. Studios in spring 2017 worked on Denver's Sun Valley eco-district redevelopment and the creation of design and planning guidelines for health metrics. Work is also continuing in Denver and the metropolitan area that explore design and landscape infrastructure, work on issues of gentrification, urban food access, and questions of livability.

Many students in the program explore internships or other opportunities to further their practice, and they enroll in elective classes that enhance their skills and expand their intellectual grasp of the issues and theories of our work. Local professionals are engaged in the program through design reviews, guest lectures, and teaching. The Advanced Travel Studio in summer 2017 will be investigating urban design in Washington D.C., working with local professionals. Summer 2018 moves back abroad when the travel studio heads to Barcelona.

We look forward to an exciting academic year with students joining us from all over the world.

All the best in your work and efforts.

Ann E. Komara

**Professor and Program Director**



# Program Description

## The Degree

The Master of Urban Design (MUD) is an intensive, calendar year, 36 Credit, post-professional degree program for students already holding a first professional degree in architecture, landscape architecture or urban and regional planning (e.g., BArch, BLA, MArch, MLA, MCRP/MURP or equivalents). The interdisciplinary program uses Denver as an urban laboratory but the globe as a reference, educating future designers about the unique place the city holds in addressing the critical problems of our time.

The program began in 1969 and counts several hundred alumni practicing around the world, including renowned designers like Jun Xia ('89), Principal of Gensler Shanghai and designer of the new Shanghai Tower.

Our student body is extremely diverse, with recent students from Bangladesh, China, Colombia, India, Iran, Japan, Lebanon, Libya, Bahrain and Saudi Arabia. These students join our domestic students (many of whom receive significantly reduced tuition through our WICHE-WRGP status) to examine contemporary urbanism and design practice through an interdisciplinary, studio-based curriculum taught by a multi-disciplinary faculty. Coursework is capped off by the Advanced Travel Studio held each summer when students travel to continental and international locations to study issues in dynamic, context-based locations.



Advanced Travel Studio, Copenhagen, Summer 2016 Class. Photo credit: Jamie Fogle

# MUD Program Themes



## Healthy Sustainable Cities

We take a holistic approach to designing the livable city. Since more than half the world's population lives in cities, with that number set to increase to two-thirds by 2030, we must anticipate the ecological impacts of our design decisions. In preparation for a post-carbon era, we address concerns related to climate change, energy usage, public health, food production and resource availability through an integrated approach to the design of urban settlements.

Our students re-imagine and re-interpret urban systems – from transportation networks to hydrological systems to zoning codes to social movements – with the goal of creating cities that are at once socially just, economically diverse and ecologically resilient. These challenges must be urgently addressed: we believe that urban designers are best positioned to meet them head on.



## Local to Global

We believe urban designers must recognize the interrelated local and global impacts of their actions and understand the interdisciplinary nature of urban problems. We address design issues at all scales, from the individual public space to the neighbourhood, city, region, nation and world. This approach acknowledges that all sites are embedded within larger systems, a concept we engage in all our studios.

In the Fall and Spring semesters, students examine the Denver metropolitan area, a progressive, yet prototypical urban laboratory experiencing significant growth and development and home to every urban condition imaginable, from dense downtown infill to sprawling edge cities to the New Urbanism-inspired Stapleton airport brownfield redevelopment. The Front Range is a national leader in design and planning innovation, as represented by the multi-billion dollar Fastracks transit project, Denver's ground-breaking citywide form-based code, Boulder's open space acquisition policies and energy municipalization effort, Arvada's GEOS net-zero energy neighborhood, and Fort Collins's closed-loop brewery-oriented development. Students apply the skills and knowledge gained in their local study to the summer term in a travel studio. These studios previously have taken place in the Shanghai-Nanjing corridor and in the dense urban core of Copenhagen, Denmark with faculty and students at the Danish Institute for Study Abroad (DIS). In 2017 the studio travelled to Washington, DC. and partnered with local professionals on the Crystal City redevelopment area.



## Innovation in Practice

We train our students to become critical, reflective professionals with a deep understanding of urban design theory and practice. All our graduates possess knowledge of contemporary urban thinking as well as exceptional technical, verbal and graphic communication skills. Our curriculum is informed by innovations in current practice: we undertake real projects with real clients, and some classes are taught by leading practitioners from the top design firms in the region. Each year, renowned practitioners give lectures and serve as jurors in the MUD program. To address the most complex social-ecological problems of our time, we train graduates to possess multiple talents, a broad understanding of urban planning, architecture, landscape architecture, real estate development, and urban politics and economics, and the ability to work not only with design professionals but also engineers, policy makers, environmental scientists and the public.

# Student Learning Outcomes

The program faculty utilizes the following program objectives and student learning outcomes so faculty and students have a shared understanding of the goals directing the curriculum. Students are expected to be proficient or above in each of these areas by the time they graduate from the MUD program. As the MUD faculty acknowledges that students begin with different skill levels, all students are expected to consistently improve throughout each semester course, making significant strides relative to the following outcomes.

**+ Design excellence:** Students will be able to produce cohesive and comprehensive statements about the preferential design of the built environment, employing practices that lead to conceptual, analytical and formal transformation of existing problems into preferred solutions, while remaining attentive to germane content knowledge, professional and ethical criteria.

**+ Communication skills:** Students will be able to work individually or in groups to effectively and efficiently convey ideas using verbal, visual and graphic communication techniques appropriate for a wide variety of professional, academic and layperson audiences.

**+ Professional expertise:** Students will be able to defend the role of the urban designer in the built environment professions and evaluate the various methods and practices employed in the design field.

**+ Substantive knowledge:** Students will develop a critical understanding of the histories, theories and practices of urban design and its role in shaping both built environments and societal relations.



# MUD Curriculum

The post-professional Master of Urban Design is a 36-credit, calendar-year program. Many students partner the MUD with the MARCH, MLA or MURP degree programs in our College, which can reduce required MUD coursework by up to 12 credits.

Fall Term	Spring Term	Summer Term
Urban Design Studio 1 URBN 6610: 6 Credits	Urban Design Studio 2 URBN 6611: 6 Credits	Advanced Travel Design Studio URBN 6612: 6 Credits
Design Process URBN 6641: 3 Credits	Design Policy URBN 6642: 3 Credits	
Design Practice URBN 6651: 3 Credits	Design Seminar URBN 6652: 3 Credits	
Elective, Independent Study or Internship	Elective, Independent Study or Internship	



# Core Classes

## Urban Design Studio 1 URBN 6610: 6 Credits

Introduces urban structure and morphology, presenting the city as a complex, ecological organism comprised of interrelated systems. Working at an urban/metropolitan scale, students deconstruct the city into a series of infrastructural layers, then recompose and restructure it in a more integrated fashion.

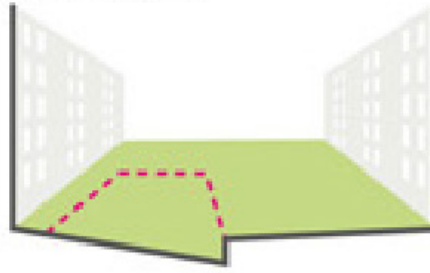
## Urban Design Studio 2 URBN 6611: 6 Credits

Advances understanding of tools, methods and practice of urban design. Operating at a neighborhood or district infrastructure scale, this studio emphasizes the proactive role designers play in shaping urban space and experience. Students consider economics, aesthetic criteria, historic preservation, and methods of effective community participation. Project exploration advances understanding of tools, methods and practice of urban design.

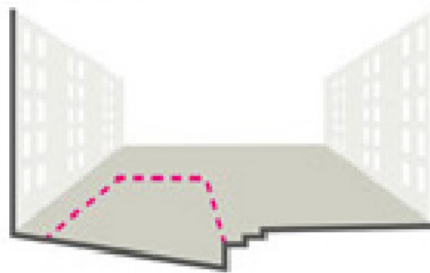
## Advanced Travel Design Studio URBN 6612: 6 Credits

Students travel to international or U.S. urban location(s) to engage advanced design questions. Studio operates within network of professionals involved in contemporary projects. Projects focus on complexities of issues-based practice. Students develop complete projects and consider context, politics, economics and regulations to offer design solutions.

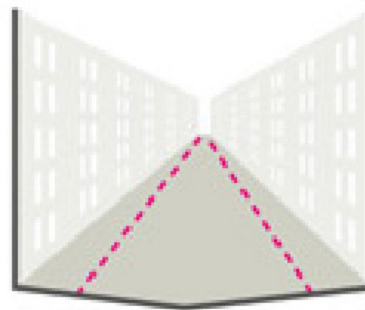
### 01 Park Hans Tavsens



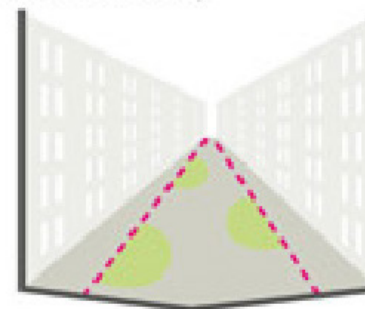
### 02 Plaza Blågårds Plads



### 03 Street Korsgade



### 04 Green Street Svend Trøsts Vej



Strat

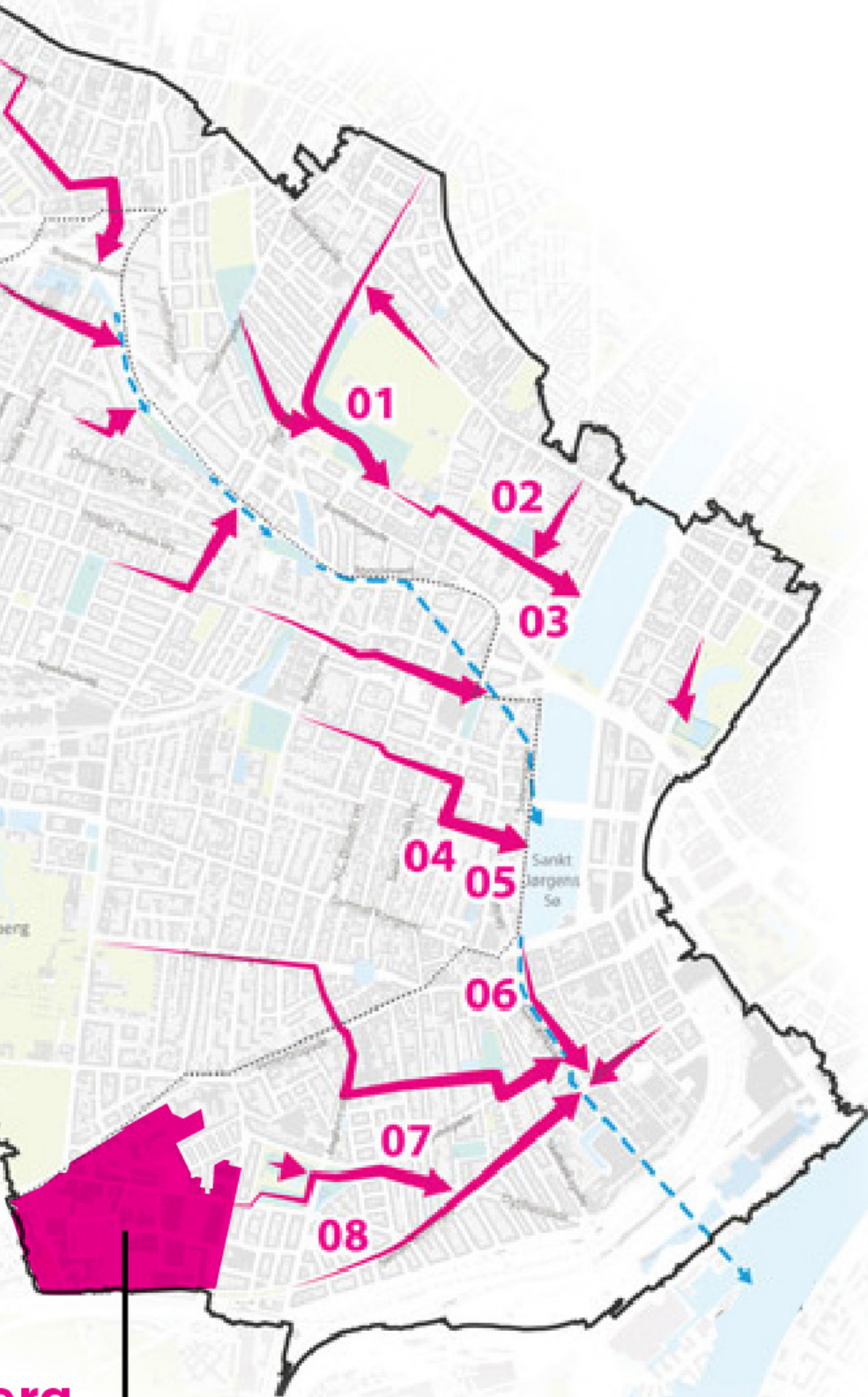


Carlsbe  
Project A



# Strategic Urban Flood Plan

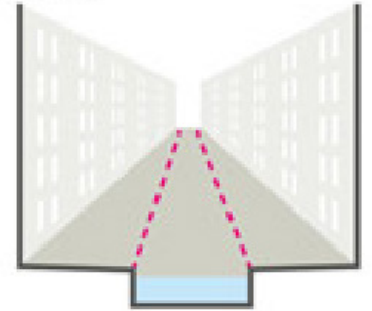
Catchment: Ladegårds Å og Vesterbro



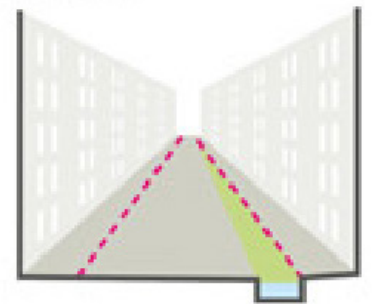
Berg Area

is by Brett Meek

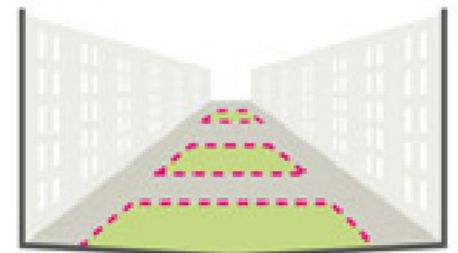
## 05 Urban Canal Vodrofsvej



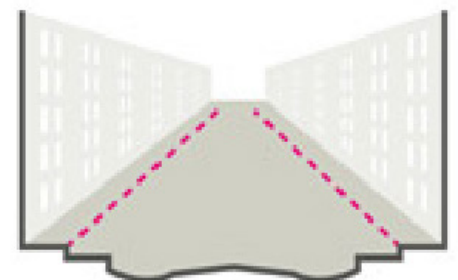
## 06 Urban Creek Gasværksvej



## 07 Retention Boulevard Istegade



## 08 Boulevard Sønderboulevard



# Required Seminars

## **Design Process**

URBN 6641: 3 Credits

Advances current practice by exploring innovative methods of design analysis, production, representation, and communication. Students are introduced to design thinking, site planning and community engagement.

## **Design Policy**

URBN 6642: 3 Credits

Argues that a role of urban designers is to shape the built environment through a combination of physical intervention and policy development. Students review urban economic and real estate trends and assess zoning/land use regulations to understand impacts on built environment quality.

## **Design Practice**

URBN 6651: 3 Credits

Introduces students to the business of urban design through contact with prominent and innovative urban design professionals. Examines issues of design implementation; project management; communication, negotiation and facilitation; leadership; and finance.

## **Design Seminar**

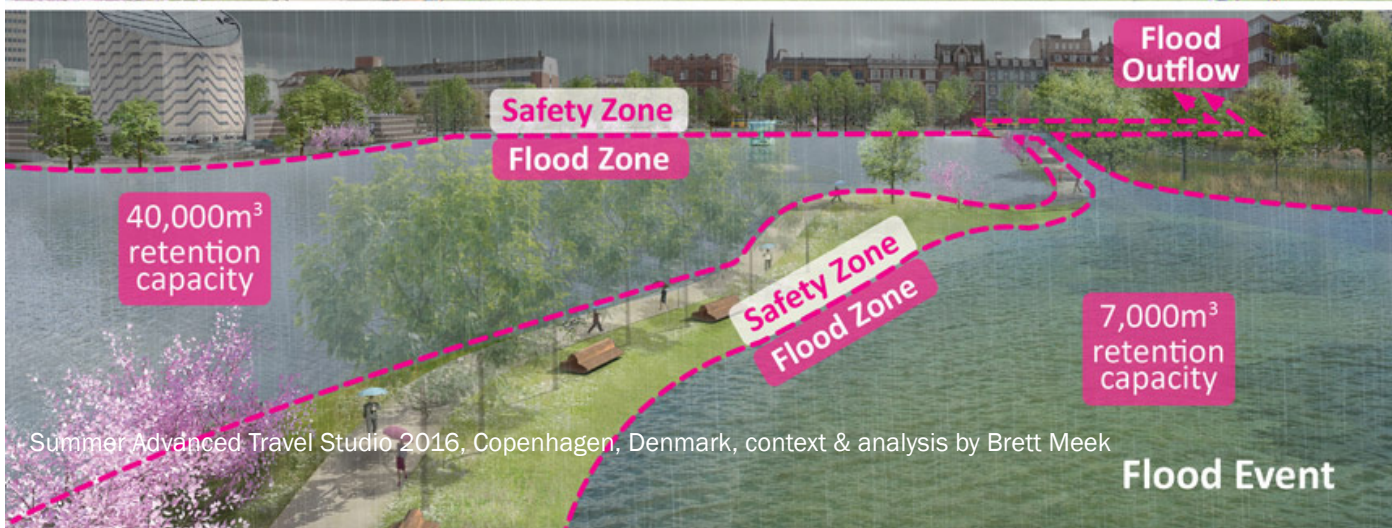
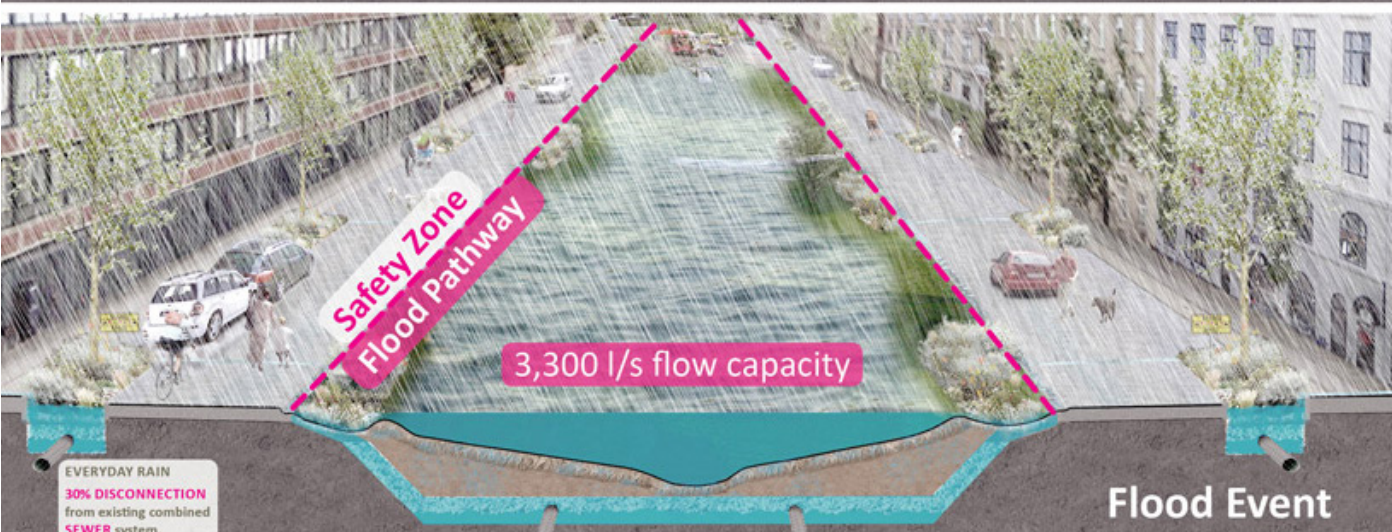
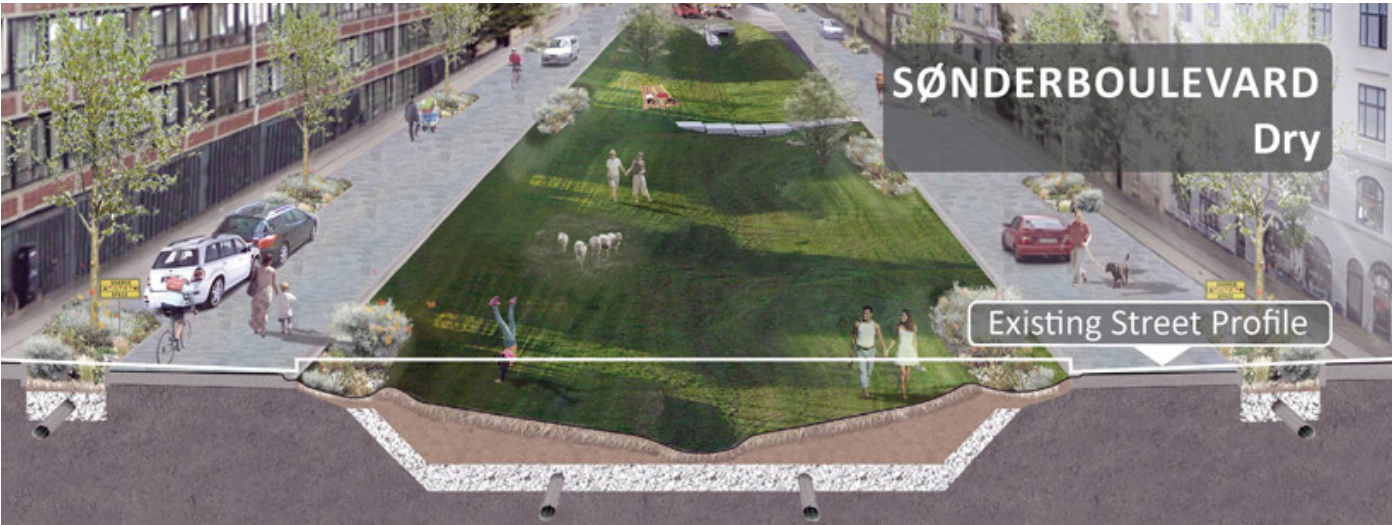
URBN 6652: 3 Credits

Investigates topical issues in urban design, typically within the framework of a theme running through an entire course of study and usually in preparation for the International Studio. Focus is on critical evaluation of theory, process and methods. Recent thematic focus has been the Livable City.

## **Elective Classes**

Elective courses are intended to expand the professional experience and scope for urban design. Students options include courses taught in Architecture, Landscape Architecture and Urban and Regional Planning programs. Students can also craft an Independent Study option with a faculty member or pursue an internship with professional office or agency.







# Sample List of Electives within CAP

Whereas the URBN core courses offer a broad survey of related urban design topics to provide foundational knowledge, skills, and values, the elective courses offer a more intensive investigation into a diverse array of design and planning topics. The following list provides a brief description of some typical elective courses. Please note: All courses listed are subject to change given student interest, faculty availability, other considerations, and some are offered only during Spring or Fall semesters. Additional electives will also be periodically offered as Special Topics courses.

Students may take up to two elective courses from other CU Denver programs and departments. We recommend consulting with your faculty advisor about your elective course decisions.

Please note: Some courses numbers and names listed are offered by other programs within the College or University, but are cross-listed with other courses.

Course No.	Course Name	Course Description
ARCH 6355	Urban Conservation: Context for Reuse	This course begins with the premise that human habitats, and especially cities, are dynamic and ever changing; and that the preservationist cannot (and should not try) to freeze cities in a static representation of the past. The course deals with both the philosophical and political contexts, but emphasizes the role of strategic design intervention in the shaping of evolving cities. This includes traditional preservation activities, but also recognizes the importance of progressive change. Readings are diverse, but at least two case study cities are used to ground the concepts. Class activities include: a) research, b) field study, c) design, and d) presentation. Prerequisite: HIPR 6010 is recommended. Cross-listed with HIPR 6410.
LDAR 5540	Introduction to GIS	This course introduces students to GIS (Geographic Information Systems) as a set of strategies, methods, and techniques used to facilitate the inventory and analysis of complex system.
LDAR 6630	Site Society and Environment	Sites are defined by relationships within environmental and social settings. Therefore site design should be primarily ethical and secondarily technical. This course examines the implications of this idea through site methodologies, conceptual construction of site, site analysis and site typologies. Cross-listed with LDAR 4430.
LDAR 6686	Community Engaged Design Practice	The course is an opportunity for students to obtain real-world pre-design and conceptual design experience working within a complex institutional and urban environment. Students will work with local constituents to assess, evaluate and propose a holistic approach for future park, campus and building systems. The intent of this class is to lay the foundation for an urban space that responds to the needs of its users, including both the school and its community. An Instructor's consent is required for enrollment. [Online]
URPL 6350	Form and Formation of Cities	This course investigates the origins and types of human settlements; the history of cities and urbanization; urban morphology and the evolution of the built environment; urban form principles and theory; types of urbanism, and the history of Denver's built environment and planning.
URPL 6410	Social Justice in Planning	This course investigates the various issues encountered in planning relating to social justice, including conflict resolution; advocacy; environmental justice; social equity; culture and diversity; disadvantaged populations; public engagement techniques; affordability; equal access; and policies and impacts.
URPL 6650	Planning in the Developing World	This course introduces students to the histories, debates, actors and approaches that shape planning in much of the developing world. Topics include development history and theory; decentralization/privatization; urban informality; planning models; uneven provision of basic services/infrastructure; land tenure; and natural hazards/climate change.



Advanced Travel Design Studio, Summer 2010, Shanghai 2010 World Expo Site Plan, by Stephan Hall



# Combined Degree Options

The CU Denver MUD program believes that successful city-building requires expertise, breadth, interdisciplinary understanding, and creativity. Our program emphasizes thinking outside traditional professional silos and we encourage students to explore the design and planning professions by following a self-directed path and develop expertise in the areas that matter most to them.

In keeping with this spirit, the MUD program offers three dual degree options, described below. In order to pursue a dual degree, you must be accepted into both programs separately. You may choose to apply to pursue a dual degree after you have entered any of the Masters Programs. Once admitted, you must complete the work for both degrees before you can graduate from either. Pursuing a dual degree can reduce required MUD coursework by up to 12 credits., saving both time and money.

## **MUD+MARCH**

The Master of Architecture is the college's accredited professional degree for students intending to seek licensure as architects. The MArch program examines the interplay between architectural form and the complex cultural and technological context in which architects operate. CU Denver's architecture and urban planning programs share a focus on cross-disciplinary interdependence, research orientation, and real-world relevance. Planners and architects each proceed by asking critical questions that encompass environmental, economic, social, cultural, aesthetic and ethical concerns, then answer them using an appropriate method. By conceiving of architecture and urban planning as an interdisciplinary partnership, MUD+Arch dual degree students develop the skills to create holistic, healthy, sustainable environments.

## **MUD+MLA**

The Master of Landscape Architecture is the college's accredited professional degree for students intending to seek licensure as landscape architects. Landscape architects design physical spaces supporting healthy, ethical relationships between people, place, and resources while enhancing the inherent qualities of that place. Today, landscape architects are called upon to find design solutions that respond to the pressures of globalization, unprecedented growth, heritage loss, disconnection between people and the natural environment, and environmental degradation. These same concerns occupy urban and regional planners, who search for solutions through engaging communities, researching, analyzing qualitative and quantitative information, and creative planning and visioning. Students who pursue this dual degree will have the physical design and urban planning tools to connect people to place in ways that enhance well-being and environmental balance, foster community and equity, conserve and regenerate resources, and create places that hold value for current and future generations.

## **MUD+MURP**

The MURP program is a two-year, fully-accredited program that has produced over 1,300 alumni since its founding in 1971. As the only accredited graduate planning program in Colorado and the preeminent program in the Rocky Mountain West, it has a proud history of graduating exceptionally qualified individuals who achieve success in a variety of positions and careers. Its AICP pass rates and job placement success are among the very top in the country. The program's focus is on teaching students how to address critical issues and complex problems facing cities and regions today. For planners to take the lead in the city-building process, they need to understand the breadth of their field and know how to work in cross-disciplinary teams.

The three Program Initiatives are Healthy Communities, Urban Revitalization, and Regional Sustainability, these represent issues at the forefront of the planning profession today and are also prominent topics in Denver and Colorado.

# Admissions

**IMPORTANT:** The MUD program is part of WICHE-WRGP, which allows residents of any of the 15 member states to pay only Colorado resident tuition. Students who are residents of non-WICHE states may qualify for resident tuition after one year of Colorado residency.

Read here for more information: <http://www.wiche.edu/wrgp>

The University of Colorado Denver Master of Urban Design Program seeks exceptional, engaged applicants who:

- Have demonstrated academic excellence and a professional degree
- Are passionate about urban design
- Are excited to study in downtown Denver and experience Colorado and the Rocky Mountain West
- Seek to enrich the program through their unique, diverse perspectives

Students who are enrolled in a professional masters degree in the College of Architecture and Planning are eligible for advanced standing if accepted into the MUD program.

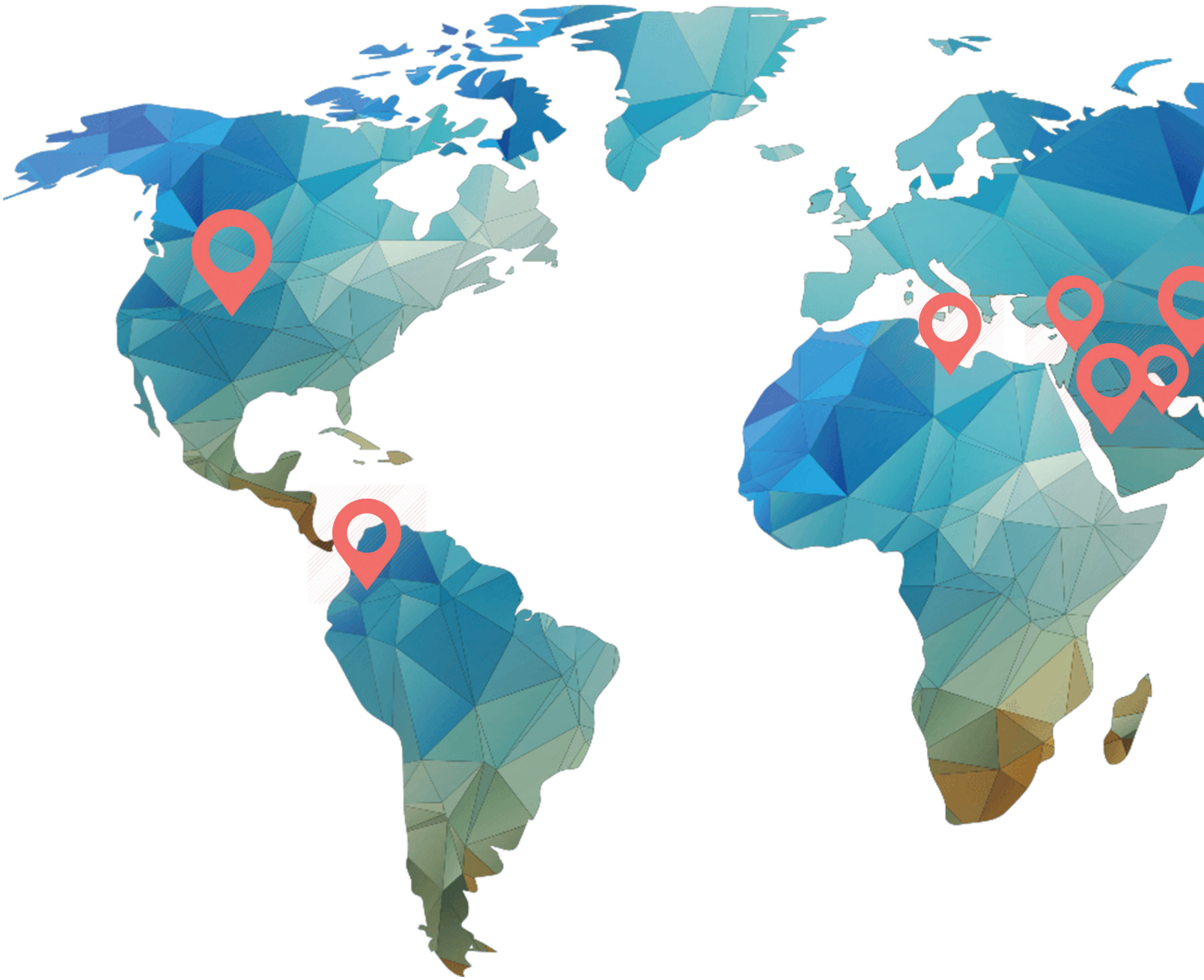
## Required Materials

- Evidence of a professional degree in architecture, landscape architecture or planning
- At least a 3.2 undergraduate or graduate cumulative GPA as evidenced on an official transcript
- An online portfolio that includes:
  - Your statement of purpose including your educational and professional goals
  - Résumé highlighting your educational and professional background
  - Examples of student or professional projects
  - A writing sample from previous professional or academic work
  - Graduate Record Exam (GRE) scores if available (not required for admission)
  - TOEFL or IELTS
- Two letters of reference, at least one from an academic reference

**DEADLINE:** Priority Deadline February 15. Final Deadline March 15.

Pre-professional students can enter the MUD with advanced standing by first earning a professional Master's degree in the College of Architecture and Planning. For more information on the March + MUD, MLA + MUD or MURP + MUD, contact Rachael Kuroiwa, Manager of Admissions and Outreach.

“Our student body is extremely diverse, with students from USA, Brazil, Iran, Japan, Lebanon, L



“What made me decide to pursue the MUD degree is the scope of study, the broader CAP school setting, the duration of program and opportunity for interdisciplinary course work”  
Zachary Mcmanus, MUD 2017, **USA**



remely diverse, with recent  
 ngladesh, China, Colombia, India,  
 ibya, Bahrain and Saudi Arabia”



“After careful investigation of the options for where to pursue my master degree, I chose the MUD program at UC Denver. This program has expanded my knowledge of the field, and fit perfectly within my future career goals. The environment in both the city of Denver and the university is both cooperative and hospitable.” Abdullah Almazrou (Maz), MUD 2017, **Saudi Arabia**



As an international student, the main motivation for me to study abroad is to observe and to practice advanced design approaches. With the Advanced Studio, I had many opportunities to collaborate with and learn from my teammates, who hold strong skills and knowledge in architecture, landscape architecture and project management. Even after the program, I am still benefiting from the exposure of Danish design culture as well as the immense collaboration.” Qiaochen Liu (Heidi), MLA 2017, **China**



“The program is very interdisciplinary and emphasizes on group work, this immensely improved my ability to argue my ideas, and deal with colleagues from different professional and cultural backgrounds.” Khawla Alazabi, MUD 2016, Fulbright Scholar, **Libya**

# MUD Faculty



## Ann Komara

Ann Komara, ASLA, is a professor of landscape architecture and urban design with teaching and research interests in the design and history of landscapes and cities, landscape theory, cultural landscapes, and issues of livable cities in multiple realms – social, cultural, ecological, and spatial. She is the Chair of the Department of Landscape Architecture and Director of the Master of Urban Design program. She has completed fellowships at Dumbarton Oaks in Washington, D.C., and the Camargo Foundation in Cassis, France, and she was a Fulbright Teaching and Research Fellow in Finland.

Ann's classes reflect over thirty years of experience teaching in higher education; her professional experience and connections with practitioners keep class topics current and focused on pressing issues that can be addressed through planning, research, and design in our public realm.



## Lori Catalano

Lori Catalano, ASLA, is an Assistant Professor, Clinical Teaching Track in the Department of Landscape Architecture at CU Denver. She is dedicated to crafting urban environments that educate, interpret, and explore the integration of culture and ecology. Along with teaching she continues to practice landscape architecture in the Denver metro area, focusing on the design of urban parks and public spaces. She is compelled to integrate her knowledge, interests, experience, and passion as a practitioner with the desire to inspire students to explore beyond the known bounds of landscape architecture and urban design. Lori graduated from Iowa State University with a Bachelor of Landscape Architecture and earned a Master of Landscape Architecture from the University of Pennsylvania. She is a licensed practitioner of landscape architecture, worked many years with Civitas, Inc. in Denver and currently maintains a consulting practice.



## Kevin Hirth

Kevin Hirth is an Assistant Professor, Clinical Teaching Track at the University of Colorado Denver College of Architecture and Planning. Kevin holds a Master's of Architecture with distinction from the Harvard Graduate School of Design and a Bachelor's of Science in Architecture from the University of Virginia. Growing up on the rural edge of the suburbs of Richmond, Virginia, Kevin was raised to run in the woods and walk in the city. Upon graduation from Harvard, Kevin was granted the singular honor of receiving both the Harvard Faculty Design Award and AIA Henry Adams Medal. He teaches design studios and seminars, and has research interests in current modes of contemporary architecture practice, and design studio pedagogy.



## Andrew Irvine

Andrew Irvine is Principal in Charge of RNL's Urban Design & Landscape Architecture practice, and serves as a lecturer for the Master of Urban Design Program. Andrew understands the enormous responsibility that comes with designing new cities, places and buildings.

As planners, designers, and architects, we have an important role in shaping the places where future life will play out. As a result, he believes our work must always be done exceptionally and in a manner that promotes happiness, health, and cultural and social enrichment.

Since joining RNL in 2009, Andrew has been involved with a number of high-profile projects for the firm, including the Kigali Master Plan, for which he won the 2010 APA Daniel Burnham award, Changxing Island, which won the 2013 ISOCARP international award for design excellence, and the Dubai South masterplan framework. True to his design philosophy, Andrew has also been integral in developing the 10 principles of Healthy Communities and in shaping RNL's approach to designing spaces that enable people to thrive. Andrew is a graduate of the University of New South Wales, where he received his bachelor's degree in Landscape Architecture.





## Joern Langhorst

Joern Langhorst is Associate Professor of Landscape Architecture at the University of Colorado Denver. He has a background in Landscape Architecture, Architecture and Planning and was educated at the University of Hannover in Germany and University of Edinburgh in the UK, and holds a Dipl.Ing. in Landscape Architecture (MLA equiv.) Prior to Joining UCD he taught at the University of Oregon and at Iowa State University, as well as serving as adjunct faculty on several European institutions. Langhorst has maintained a consulting practice in Europe that specializes in urban renewal projects in highly contested situations. He teaches advanced studios for landscape architecture and urban design, landscape theory, and seminar courses.

Joern's research agenda is based in an understanding of landscape and place as a series of interrelated dynamic processes that are located within cultural, social, ecological, geophysical and economic systems. Landscape is operating as a result of cultural activity as well as an agent of cultural, social, economic and ecological change. He is interested in developing a critical understanding of the different factors and forces that influence the emergence of landscape and place as a basis for contemporary theory and practice of landscape architecture, spatial design and planning. and in urban design he focuses on urban renewal and the "right to the city".



## Nancy Locke

Nancy Locke is an Associate Principal at RNL and Studio Lead for Urban Design and Landscape Architecture. She is an ongoing critic and lecturer for the Department of Landscape Architecture and the Master of Urban Design Program. She believes deeply in designing places that help people not just function, but thrive and she applies an integrated approach to design and planning, where infrastructure, architecture and landscape come together seamlessly to create human-focused spaces that support happiness, well-being, and sustainability. Nancy has over 20 years of experience creating culturally, economically and ecologically resilient places. She is skilled in working with multidisciplinary teams in finding unique and sustainable solutions to even the most complex of problems. She has worked across several geographies, including North America, the Middle East and North Africa region, Asia, and Europe – from the mountains to coastal and desert environments. She received her Master of Landscape Architecture from Cornell University.



## Jeremy Németh

Jeremy Németh, Ph.D. is Associate Professor of Urban and Regional Planning in the College of Architecture and Planning at the University of Colorado Denver. At the University of Colorado, he has served as Chair of the Department of Planning and Design from 2012-2015 and Director of the Master of Urban Design program from 2008-2014. His research looks at how planners, designers, and citizens can help create urban environments that are more just and inclusive and he is particularly interested in the relationship between social equity and the built environment. Dr. Németh has presented his work at nearly forty conferences in China, India, Spain, Italy, Israel, Hong Kong and was recently the recipient of a Fulbright Scholar Award in the Department of Architecture at the Università degli Studi Roma Tre. In 2015-16, he was also a Visiting Professor in the Institute of Environmental Science and Technology at the Universitat Autònoma de Barcelona. Professor Németh received his Ph.D. in Planning and Public Policy from Rutgers University, an MS in Development and Planning from the Bartlett School of Planning at University College London, and an AB in Architecture from the University of California, Berkeley.



## Korkut Onaran

Korkut Onaran, Ph.D. has been teaching as an Assistant Professor Adjunct in the College of Architecture and Planning, University of Colorado at Denver since 1997. He has served as President of the Colorado Chapter of the Congress for the New Urbanism since its formation in 2008. Korkut is an urban architect with a broad knowledge of development codes and regulation cultures, a subject he explored extensively through his doctoral studies. He has also published several articles on design review and local land use planning. His teaching focuses on producing planning and design solutions for real world situations where students collaborate with local officials planning. In his professional practice, he has extensive experience in designing and managing mixed use projects, preparing master plans, and crafting development codes. Dr. Onaran received his Bachelor and Master degrees in Architecture at Middle East Technical University, Ankara, Turkey, and his Ph.D. in Environmental Studies at University of Wisconsin-Madison.



## Peter Park

Peter Park is Associate Professor Adjacent in the Department of Urban and Regional Planning. He previously served as planning director of two large U. S. cities, Milwaukee and Denver, where his integrated approach to comprehensive planning, urban design, and development review resulted in clear visions for sustainable urban development, places of high quality design, and streamlined development permitting systems. In Milwaukee, significant projects include the replacement of the elevated Park East freeway with an at-grade boulevard that catalyzes new downtown development and the Beerline B, a new mixed-use, mixed-income neighborhood along the Milwaukee River. Significant work in Denver includes redevelopment of Denver Union Station as the hub of Fastracks (the largest public transit project in the nation), several transit-oriented development (TOD) station area plans, and adoption of a new context and form-based zoning code applied citywide. Before coming to CU Denver, he taught urban design lectures and studios at the University of Wisconsin-Milwaukee and coordinated the Joint Master of Architecture/Master of Urban Planning program. He served as an advisor for a multidisciplinary team of CU Denver students that won the 2005 ULI Gerald D. Hines Student Urban Design Competition. He teaches MUD studios focusing on Denver and the region.



## Leila Tolderlund

Leila Tolderlund thrives when observing the interaction between people and green infrastructure in cities. She is an Assistant Professor, Clinical Teaching Track and Associate Chair in the Department of Landscape Architecture. Leila has a focus on public health related to urban living systems design, planning and theory, and enjoys critical innovate design thinking for inside-outside transitions. She currently teaches Landscape Architecture Core and Advanced Design Studios, and the Green Infrastructure and Design Process classes, as well as the MUD Advanced Travel Studio and Study Abroad primarily to Scandinavia. She has been with UCD since 2006 and is an often-used speaker at national and international green infrastructure conferences.

Leila Tolderlund also practices landscape architecture with her own firm which focuses primarily on projects related to green roofs, living walls and green façades. She has worked on projects in the US, China, and Denmark. Leila was educated at Danish Technical University in Copenhagen, and received her Master of Landscape Architecture from the UCD in 2003. She became LEED (Leadership for Energy and Environmental Design) accredited in 2004, and received her GRP (Green Roof Accredited Professional) accreditation in 2009.

# STAFF WHO ASSIST MUD STUDENTS

**LEO DARNELL**

Assistant Dean of Academic Services and Extended Studies

303.315.1015

leonard.darnell@ucdenver.edu

Focus: College-wide initiatives and events, continuing and professional education

**MATTHEW GINES**

Design Fabrication Lab Director

303.315.2071 matthew.gines@ucdenver.edu

Focus: Design Fabrication Lab, building keys, furniture and logistics

**MIKE HARRING**

Information Technology Manager

303.315.2883

mike.harring@ucdenver.edu

Focus: Computer lab, audio-visual technical support in classrooms

**JESSE KUROIWA**

Visual Resource Center Multi-Media Production Program Manager

303.315.2425

jesse.kuroiwa@ucdenver.edu

Focus: Image library, portfolio photography, media equipment, cameras

**PATTY MCKISSOCK**

MUD/MURP Academic Advisor/Course Coordinator

303.315.2535

patricia.mckissock@ucdenver.edu

Focus: Student advising, academic policies and classes, class scheduling, change of record forms

**CHRIS NIMS**

Director of Mentorships and Internships

303.315.1014

christopher.nims@ucdenver.edu

Focus: College mentorship and internship coordination; career advising

**JODI STOCK**

Operations Coordinator/Reception

303.315.1000

jodi.stock@ucdenver.edu

Focus: Reception desk, room scheduling, secure entry access, mailboxes, directories

# Professional Development

## INTERNSHIPS

Internships are an important way the MUD program helps students achieve hands-on, experiential learning. The difference between an internship and a part-time job is that an internship is specifically intended to be a learning experience. While getting academic credit for an internship is not required, it is highly recommended.

The college's Internship Program aims to place students into internships with the region's top design firms. Urban Design students are encouraged to apply to participate in this selective process. Participating firms have included: AECOM, Civitas, Design Workshop, Norris Design, RNL Design, OZ Architecture, studioINSITE, and Tryba Architects. College units including the Colorado Center for Community Development (CCCD) frequently hire MUD students as research assistants (RAs) and the Departments of Architecture, Landscape Architecture and Planning and Design often hire teaching assistants (TAs) from our incoming MUD students.

Students earn three elective credits for enrolling in URBN 6930 internship but, more importantly, the coursework will enable students to maximize the personal and professional development their internship affords. We actively encourage employers to pay students; however, a student should not discount the value of an unpaid internship. Students who are in internships that earn academic credit are covered by the University of Colorado's Workers' Compensation provisions.

The URBN 6930 elective course is intended to provide professional practice experience in urban design. Students work 10-20 hours/week in professional firms in the Denver metro region. An internship that earns 3 hours of academic credit requires at least 135 hours of work during the semester (9 hours per week during the fall or spring semester; 17 hours per week during the summer semester).

A student cannot enroll for more than 3 hours of internship credit in any semester, and URBN 6930 may not be taken for less than three credit hours.

To begin your internship process, contact: Christopher Nims, Director of Mentor and Internship Programs, at [christopher.nims@ucdenver.edu](mailto:christopher.nims@ucdenver.edu) or 303.315.1014.

The minimum requirements you'll need to start the process are: Resume; representative examples of your work; statement of professional intent.

After completing the internship course assignments, your internship supervisor must complete a final evaluation of your work and submit it to the course instructor.

For more information about CAP internships, check Careers+Internships at CAP Student Resources website: <http://www.ucdenver.edu/academics/colleges/ArchitecturePlanning/StudentResources/CareersInternships/Pages/CareersInternships.aspx>

## TEACHING ASSISTANTSHIPS

Teaching assistants are highly competitive positions in CAP departments and programs. The TA will help professors prepare and manage course materials, grade student work, and lead discussion sessions. Teaching assistants typically work 10 hours per week. To be qualified as a teaching assistant, the student needs to have taken the course, mastered the material, and have skill and enthusiasm for training fellow students. Students who are interested in teaching assistantships should express their interest to their course instructor, and discuss opportunities with the Program Director.

## RESEARCH ASSISTANTSHIPS

Research assistants help professors with research, and the specific activities can include data collection and entry, reviewing literature, conducting analysis and fieldwork, statistical programming, writing and editing manuscripts, and presenting research findings. The appointments carry a workload from about five to 20 hours per week. Qualifications for research assistantships include academic merit, interest and enthusiasm for doing research, and any specific skill sets required for the project. Students who are interested in a research assistantship should discuss opportunities with their faculty and/or the Department Chair. The availability and nature of research assistantships depends on current faculty work and interests.

## MENTORSHIPS

Through a partnership with representative professional organizations, the College of Architecture and Planning offers a mentorship program. The partnering organizations include: The American Institute of Architects, The American Society of Landscape Architects and The American Planning Association. The mentorship program gives you a resource outside the college for professional development. Mentorship assignments are based on mutual professional interests, practice profile and intellectual engagement in the particular discipline. An individual mentorship program is mutually designed by both you (the protégé) and the mentor to meet individual goals. Activities can involve: shadowing, site visits, project reviews, attending open public meetings, studio critique, resume, portfolio review, and professional development.

All mentorship programs are voluntary on behalf of both you and your mentor, and the actual duration is also determined by both parties. As a result of the nature of the program, mentorship participation is not for academic credit and does not involve fees or remuneration. Mentorship assignments are recommended anytime during graduate studies. Forms and Ethics Agreement can be accessed through the individual department.



# CAP Extra-curricular Activities

Entering the College of Architecture and Planning, you will find a diverse and stimulating atmosphere. The student clubs and organizations contribute to that atmosphere and are a great way to network and meet your peers. As they say, sometimes it comes down more to whom you know than anything else. These are some prominent student organizations you might be interested in learning more about:

## URBAN DESIGN STUDENT ALLIANCE

The Urban Design Student Alliance seeks to create a vibrant presence and forum for discussing issues of urban design across all topics and in both local and global contexts. The group hosts speakers and guests to discuss pertinent issues in the field of urban design. The organization hosts visits to local professional offices, holds workshops, and participates in the CAP Career Fair, as well as sponsoring other activities and events. Members work with the other professional groups in CAP; and the alliance is open to interested members from other graduate programs in CAP and the university.

## APAS

The intent of the organization for Planning students is to bring together students interested in the field of planning and facilitate connections between them and the professional planning community. The spirit of the organization is to allow you to explore your potential in the field and to have a lot of fun interacting with your fellow students. Visit APAS's Facebook Page at <https://www.facebook.com/ucdenverapas/>

## AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS

ASLA CU Denver is the student chapter of ASLA at the University of Colorado Denver. Our mission is to further the profession of landscape architecture through student leadership, education, service, and professional interaction. We strive to promote the mission and goals of ASLA and ASLA Colorado.

## AMERICAN INSTITUTE OF ARCHITECTURE STUDENTS

The AIAS CU Denver Chapter is an outgoing group of architecture students interested in investing extracurricular time in being more engaged in the world of architecture. Our members have established and participate in various student committees where they can learn more about and make a difference in their specific areas of interest, such as the Committee on the Environment for those interested in sustainable design, and many others. Furthermore, AIAS members have access to more design competitions and networking events than many others. <https://www.facebook.com/AIAS-UC-Denver-108461059213418/>

## CU DENVER URBAN HORTICULTURE CLUB

The Urban Horticulture Club represents student interest in the practices of horticulture in the urban context of Denver, Co. We invite any student to join and participate. The club's mission is to educate the students attending University of Colorado Denver in the practices and philosophies of horticulture. To build stronger ties within the community through collaborative work and service. To introduce, rediscover, and develop horticultural practices in an urban environment. Visit their Facebook Page at: <https://www.facebook.com/UcDenverUrbanHorticultureClub/>

## **DESIGN-BUILD INSTITUTE OF AMERICA-CU DENVER CHAPTER**

DBIA Student Chapters are dedicated to promoting widespread and successful utilization of the design-build project delivery method in shaping the built environment. To accomplish this goal, they are committed to fostering interdisciplinary education and communication relative to integrated facilities delivery.

[https://www.facebook.com/DBIAUCDenver/?ref=py\\_c](https://www.facebook.com/DBIAUCDenver/?ref=py_c)

## **STUDENTS FOR CLASSICAL ARCHITECTURE**

Students for Classical Architecture promotes discussion regarding how best to incorporate architectural fundamentals into a contemporary curriculum and supports architecture students around the world who would like classical educational opportunities offered in their universities.

<https://www.facebook.com/SCACUDenver/>

## **ROOT**

ROOT is a collaborative design journal produced by the CU students at the University of Colorado Denver. Its run mainly by landscape architecture students. Eight volumes have been published since its inception in 2008, and ROOT received an honorable mention in the national competition for the Douglas Haskell Award for Student Journals in 2011. Its mission is to encourage the discourse of landscape architecture and other design disciplines by highlighting the designs, challenges and inspirations of students, faculty and professionals through print and digital publications. For more information check: <http://www.root-land.org/>

## **CAP LECTURE SERIES**

The College puts on an exciting lecture series each year, bringing ground-breaking practitioners and academics to the campus to talk about their work and the future of our disciplines. Check the CAP website and the bulletin boards around the building for lecture series event information. These lectures are free and open to the public. <http://www.ucdenver.edu/academics/colleges/ArchitecturePlanning/Pages/CAP-Events.aspx>



# CU Denver Policies and Procedures

## GRADUATION

Early in your last semester in the MUD program, you must apply to graduate. The deadline to apply for graduation is the Census Date of your last semester. You can apply online through your student center in UCDAccess. Once you have applied for graduation you will receive information about registering for the commencement ceremony. If you have any questions about the process please contact Patty McKissock (patricia.mckissock@ucdenver.edu). You can participate in May commencement ceremony and then complete your Travel Studio. However, you are technically a summer graduate and will receive your diploma after the summer semester.

## STUDENT PRIVACY

Student privacy requirements are delineated in the Federal Rights and Privacy Act (FERPA) of 1974. FERPA sets guidelines for higher education institutions that protect students' rights with respect to their educational records and other personally identifiable information. Violations of student rights can lead to serious consequences, such as lawsuits and/or withholding of federal funds to the University.

Circulation or posting of class/grade rosters that display students' names and ID numbers is a FERPA violation. Faculty may display a roster of students' names in a section of a course on a protected website or slide that is available to students in that section only, but may not create a public posting identifying students enrolled in a section of a course. Faculty must collect assignments directly from students and return graded assignments directly to students. Staff may not be used to collect or return assignments. Assignments may not be left in boxes outside of offices or in the mail room. Staff will not receive or return student assignments.

FERPA does not allow any public posting of student information with any part of the name, student identification number, or any other personally identifiable information. Students' grades may be posted without written permission, if they are not posted in a personally identifiable manner.

Check FERPA Guidelines that can be found at <http://www.ucdenver.edu/anschutz/studentresources/Registrar/StudentServices/FERPA/Pages/default.aspx>

## STUDENTS WITH DISABILITIES

Students with disabilities should be accommodated in all classes. The University's Office of Disability Resources and Services determines accommodations based on documented disabilities. If you have a documented disability, please contact the Disability Services office and ask them to submit a letter describing your needs to each of your course instructors by the second week of the semester. Also, provide a copy of the letter to Patty McKissock for assistance in case of safety or fire emergency.

For information, contact the Office of Disability Resources and Services, located at 1201 Larimer Street, Student Commons Building, Suite 2116, Phone: (303) 315-3510, Fax: (303) 315-3515, email: [Disabilityresources@ucdenver.edu](mailto:Disabilityresources@ucdenver.edu) Or check their website: <http://www.ucdenver.edu/student-services/resources/disability-resources-services/Pages/disability-resources-services.aspx>

## GRADUATE SCHOOL HANDBOOK

The Graduate School Handbook is an excellent source of important information, policies, procedures, regulations related to all graduate students at CU Denver. Unless stated otherwise, the College of Architecture and Planning and the MURP program follow the policies outlined in the Graduate School Handbook, which is available at the following link: <http://www.ucdenver.edu/academics/colleges/CLAS/Departments/math/graduateprograms/currentstudents/Pages/Handbook.aspx>

In addition to general university policies (e.g., anti-violence, drugs and alcohol, sexual harassment), the handbook includes, Information about: Code of Student Conduct and Academic Honor Code, Academic Probation and Suspension, Course Drop/ Add Guidelines, Definition of Full-Time and Part-Time Status, Withdrawal from the University, Transcripts, and MORE!

## APPEALING A GRADE

The College of Architecture and Planning grade appeal policy is available here: [http://www.ucdenver.edu/academics/colleges/ArchitecturePlanning/StudentResources/Documents/Policy-Student%20Grade%20Appeals%2012\\_15.pdf](http://www.ucdenver.edu/academics/colleges/ArchitecturePlanning/StudentResources/Documents/Policy-Student%20Grade%20Appeals%2012_15.pdf)

## GETTING AN “INCOMPLETE” GRADE

To receive a grade of “Incomplete” in a course, the faculty member teaching the course and the student must together fill out an Incomplete Grade Report that will be kept in the student’s academic file. The report will outline what work the student needs to complete in order to receive a grade and the timeline in which the student needs to complete the work. The form is available from Patty McKissock (patricia.mckissock@ucdenver.edu).

# Helpful CU Denver Campus Resources

## **AMERICAN INDIAN STUDENT SERVICES**

The office provides access and educational opportunities to American Indian students through academic advising, scholarship information, cultural programs, advocacy, student organization sponsorship and other supportive services tailored to the specific needs of the students. Located in Student Commons Room 2007-C. Phone: 303.315.1882

Web: <http://www.ucdenver.edu/about/departments/odi/EOP/AISS/Pages/default.aspx>

## **ASIAN AMERICAN STUDENT SERVICES**

The office provides academic advising, scholarship information, cultural programs, advocacy, resource referral, student organization sponsorship and other supportive services tailored to the specific needs of Asian American students. Located in Student Commons Room 2007-E. Phone: (303) 315-1881.

Web: <http://www.ucdenver.edu/about/departments/odi/EOP/AASS/Pages/default.aspx>

## **BLACK STUDENT SERVICES**

In an effort to promote and maintain quality higher education for students of African descent, the office assists undergraduate and graduate students in all phases of their educational career through admissions services, academic counselling and peer support.

Located in Student Commons Room 2007-F. Phone: (303) 315-1881.

Web: <http://www.ucdenver.edu/about/departments/odi/EOP/BSS/Pages/default.aspx>

## **CAREER CENTER**

Offers a full array of services to prepare students for the transition from school to career. Graduate students are welcome and encouraged to utilize these resources. Located at Tivoli Student Union Suite 267. Phone: (303) 315-7315. Web: <http://www.ucdenver.edu/life/services/careercenter/Pages/default.aspx>

## **CARE TEAM**

The Campus Assessment, Response & Evaluation (CARE) Team addresses the health and safety needs of students. The team assess whether individuals pose a risk to themselves or others and to intervene when necessary, and more generally, to identify and provide assistance to those in need. The CARE team takes a preventative approach to risk assessment by offering resources, referrals, and support to both the concerning individual and those impacted by their behavior. Phone: 303-315-7306. Web: <http://www.ucdenver.edu/life/services/care/Pages/default.aspx>

## **CHILD CARE—AURARIA EARLY LEARNING CENTER**

Provides high-quality early childhood care and educational programs to children 12 months through 8 years old. The programs are utilized by the children of students, staff, faculty working on the Auraria Campus. Location: 950 9th Street Park, Phone: 303-556-3188. Web: <https://www.ahec.edu/for-campus-faculty-staff/early-learning-center/>

## **DISABILITY RESOURCES AND SERVICES**

The Office of Disability Resources and Services produces assistance and arrangements for accommodations to provide equal opportunities to foster the personal growth and development of students with disabilities. Located in Student Commons Room 2116. Phone: (303) 315-3510.

Web: <http://www.ucdenver.edu/student-services/resources/disability-resources-services/Pages/disability-resources-services.aspx>

## **GLBT STUDENT SERVICES**

Open to all students as a resource for exploring sexual orientation/gender identification. Located in Tivoli Room 213. Phone: (303) 556-6333. Web: <http://www.ucdenver.edu/life/services/glbts/services/Pages/default.aspx>

## **HEALTH CENTER AT AURARIA**

All Downtown Campus students have access to medical services at the Health Center at Auraria, and student health insurance is NOT required to use this facility. Location: Plaza Building Suite 150. Phone: (303) 556-2525. Web: <http://www.ucdenver.edu/life/services/health-center/Pages/default.aspx>

## **LATIN@ STUDENT SERVICES**

The mission of Latin@ Student Services is to provide an inclusive environment that supports the intersectional experiences, diverse cultures and educational goals of Latin@ students at CU Denver. Located in Student Commons 2007-H, Phone: (303) 315-1878. Web: <http://www.ucdenver.edu/about/departments/odi/EOP/LSS/Pages/default.aspx>

## **INTERNATIONAL STUDENT AND SCHOLAR SERVICES**

The office offers immigration services, programming and advising to enhance the experiences of international students. Location: 1380 Lawrence Suite 932. Phone: (303) 315-2230. Web: <http://www.ucdenver.edu/academics/InternationalPrograms/OIA/ISSS/Pages/default.aspx>

## **LEARNING RESOURCE CENTER**

Promotes student success, retention, and graduation and is available to graduate students. Services include tutoring, supplemental instructions study skills workshops, and ESL support. Location: Student Commons Room 2105. Phone: (303) 315-3531. Web: <http://www.ucdenver.edu/life/services/LRC/OurServices/Pages/default.aspx>

## **OMBUDS OFFICE**

Assists students in resolving CU Denver conflicts, complaints, and disputes. Services are free and confidential. Examples of concerns may include: the actions of faculty, staff, or other students; denials of petitions; harassment of any kind; administrative decisions; grading disputes. Location: 1380 Lawrence Suite 1003. Phone: (303) 315-0046. Web: <http://www.ucdenver.edu/about/departments/OmbudsOffice/Pages/OmbudsOffice.aspx>

## **PHOENIX CENTER AT AURARIA**

The Phoenix Center provides confidential help for survivors of interpersonal violence, and their friends and family. All services are confidential. Location: Tivoli Student Union, Suite 259 Phone: 303-315-7250. Web: [www.thepca.org](http://www.thepca.org)

## **STUDENT AND COMMUNITY COUNSELING CENTER**

A campus counselling center that serves CU Denver students, who receive up to 10 counselling sessions at no cost per year as part of student fees. One can make an appointment or simply walk in. All information is confidential (except cases of abuse or neglect of children, harm to self or others, or when reporting is required by law). Location: Tivoli Suite 454. Phone: 303-315-7270. Web: <http://www.ucdenver.edu/life/services/counseling-center/Pages/default.aspx>

### **VETERANS STUDENT SERVICES**

An initial contact point for eligible veterans and dependent students attending CU Denver. Location: Tivoli Suite 124. Phone: 303.315.7300 Web: <http://www.ucdenver.edu/life/services/Veteran/Pages/home.aspx>

### **WOMEN AND GENDER CENTER**

Newly created and open to all genders, the center helps women gain equity and the ability to advocate for themselves. Located in Tivoli Room 260-A1, Phone: 303-315-7262. Web: <http://www.ucdenver.edu/life/services/studentlife/WGC/Pages/WGC.aspx>

### **WRITING CENTER**

The CU Denver Writing Center provides one-on-one consultations and workshops about writing and composition. This is not a copyediting service. Location: North Classroom Room 4014. Phone: (303) 556-4845. Web: <http://www.ucdenver.edu/academics/colleges/CLAS/Centers/writing/Pages/TheWritingCenter.aspx>

