MURP PROGRAM PREVIEW
SPRING 2020

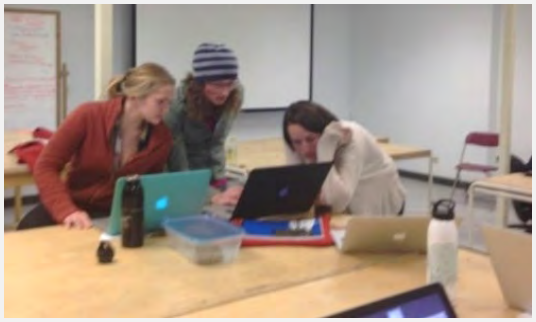
Master of Urban and Regional Planning
COLLEGE OF ARCHITECTURE AND PLANNING
UNIVERSITY OF COLORADO **DENVER**

FACULTY INTRODUCTIONS

CARRIE MAKAREWICZ

- Urban Development
- Regional Growth and Equity
- Transit, Pedestrian, and Bicycle Planning
- Planning Capstone
- Planning Project Studio (international)

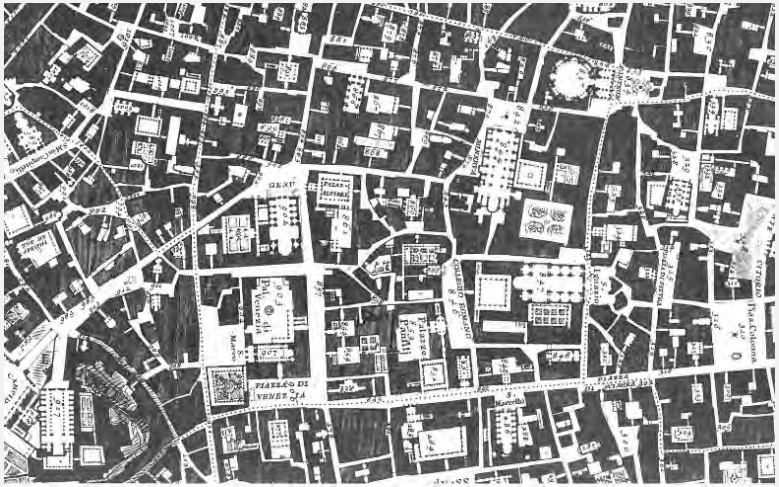
- The “infrastructure of everyday lives”
  - Public schools, neighborhood change, and accessibility
  - Transportation equity, public transit, and active travel
  - Affordable housing
  - Community development, arts, and music
- MURP Alumni Liaison



JEREMY NÉMETH

- Planning History and Theory
- Social Justice in Planning
- Parks and Public Spaces
- Planning Capstone
- Planning Project Studio (domestic and international)
- Urban Design Studio

- Public spaces/urban design
- Environmental justice
- Impacts of marijuana
- Immigrant integration
- Gentrification/displacement



ROCKY PIRO

- Executive Director, Colorado Center for Sustainable Urbanism
- Collaborative planning, health/built environment, social and environmental justice
- Regional and comprehensive planning, growth management, citizen participation
- Collaborative for advancing 21st century solutions for urban issues; technical assistance to planners, decision-makers, citizens

ANDREW RUMBACH

- Urban Sustainability
- International Development Planning
- Disaster and Climate Change Planning
- Small Town and Rural Planning

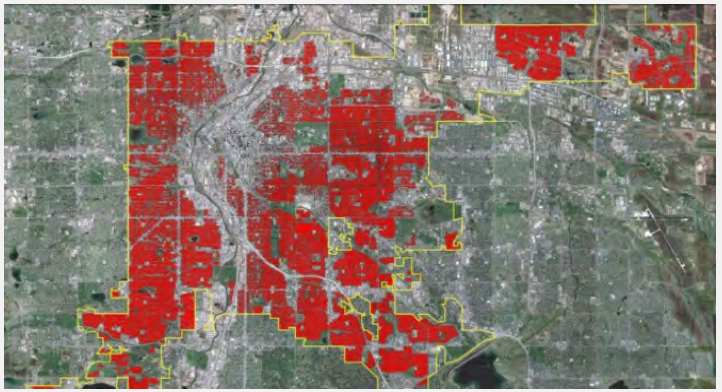
- Urbanization and environmental risk in South Asia
- Affordable housing and disaster resilience
- Urban spatial inequality/dynamics of “slum” formation
- Natural hazard mitigation, disaster recovery planning

ResilientColorado
COLLEGE OF ARCHITECTURE AND PLANNING
UNIVERSITY OF COLORADO DENVER

KEN SCHROEPPEL

- Planning Methods
- The Planning Profession
- Planning Project Studio (domestic and international)
- Planning Workshop
- Planning Capstone
- Form and Formation of Cities
- Urban Design Studio

- MUD Program Director
- MURP Studio Coordinator
- Civic involvement/leadership
- Public speaking, walking tours
- Blogging and advocacy



DENVERINFILL

MANISH SHIRGAOKAR

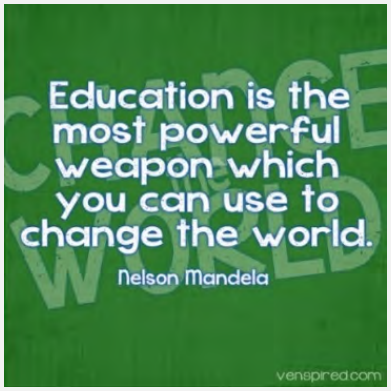
- Transportation, Land Use, and the Environment
- Transit, Pedestrian, and Bicycle Planning
- GIS for Urban Planning
- Urban Policy Analytics

- Travel behavior and transportation technologies
- Disadvantaged groups (e.g. seniors, women)
- Social equity aspects of infrastructure policy
- Land use/transportation connection

JENNY STEFFEL JOHNSON

- Urban Housing
- Planning Engagement
- Community Development
- Planning Capstone
- Planning Project Studio (domestic and international)
- Planning Internships

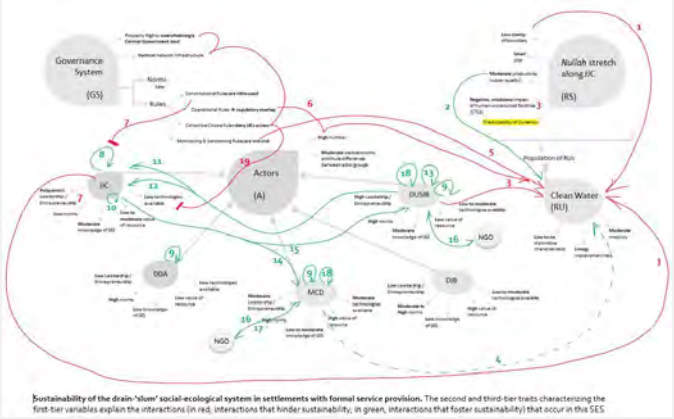
- Affordable housing design charrettes
- Internships and mentorships
- Student diversity



SHRUTI SYAL

- Urban Sustainability
- International Development and Planning

- Waste/water connections
- Green infrastructure
- Access to infrastructure for the urban poor
- Institutional analysis
- Understanding and mapping human-environmental interactions at multiple scales (Social-Ecological Systems Framework analysis)



Sustainability of the drain-'slum' social-ecological system in settlements with formal service provision. The second and third-tier traits characterizing the first-tier variables explain the interactions (in red, interactions that hinder sustainability; in green, interactions that foster sustainability) that occur in this SES

AUSTIN TROY

- Advanced Geo-Spatial Methods
- Environmental Planning and Management

- Geographic Information System (GIS) certificate
- GIS/modeling support
- Facility for Advanced Spatial Technologies (FAST)
- Research collaborations
- Field experiences

ADJUNCTS & VISITING FACULTY

JODY BECK
Associate Dean; Assistant Professor, Landscape Architecture
Phone: 303-315-2409
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Focus: Community food systems, food sovereignty, environmental/social justice, urban history and theory

JOERN LANGHORST
Associate Professor, Landscape Architecture
Phone: 303-315-1023
Email: joern.langhorst@ucdenver.edu
Focus: Landscape recovery, remediation and design, urban design, research and design methodologies

WES MARSHALL
Associate Professor, Civil Engineering, College of Engineering and Applied Science
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Focus: Road safety, active transportation, transit-oriented communities, parking, and street networks

ALEX SCHAFRAN
Lecturer
University of Leeds, United Kingdom
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Focus: Urban studies, geography, transformation of suburbia, social justice, urban social movements

GREGORY SIMON
Associate Professor, Geography and Environmental Sciences, College of Liberal Arts and Sciences
Phone: 303-556-6393
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Focus: Environmental policy/history, sustainable communities, urban ecology, vulnerability studies

ELIZABETH WALSH
Scholar in Residence
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Focus: planning history, environmental justice, sustainable cities, regenerative development, civic engagement

PART-TIME FACULTY & LECTURERS

DON ELLIOTT
Lecturer
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Focus: Land planning and zoning, growth management, international urban development issues

GRETEL FOLLINGSTAD
Lecturer
Owner, Terra Planning
Email: gretel.follingstad@ucdenver.edu
Focus: Resiliency planning, adaptive water planning, hazards planning

CHRIS GEDDES
Lecturer
Associate, Design Workshop
Email: cgeddes@designworkshop.com
Focus: Urban design, campus planning, parks and open space planning, site design

MICHAEL HINKE
Lecturer
Coordinator, CU Denver's Facility for Advanced Spatial Analysis (FAST)
Email: michael.hinke@ucdenver.edu
Focus: Geographic information systems, environmental/natural resource/land use analysis

EUGENE HOWARD
Lecturer
Associate City Planner, Denver Community Planning and Development
Email: eugene.howard@ucdenver.edu
Focus: Citywide planning, neighborhood planning, TOD planning, branded placemaking

YISHUEN LO
Lecturer
Landscape Designer, Livable Cities Studio
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Focus: Graphic design and visualization, emerging technologies

GILBERT MCNEISH
Professor Adjunct
Land Use Attorney, Grimshaw & Harring, PC
Email: gmcneish@spencerfane.com
Focus: Planning law

PART-TIME FACULTY & LECTURERS

KORKUT ONARAN
Assistant Professor Adjunct
Principal, Pel-Ona Architects and Urbanists
Email: korkut@pel-ona.com
Focus: Land use/environmental planning, urban design, growth management, historic preservation

PETER PARK
Associate Professor Adjunct
Director/Owner, Peter J. Park LLC
Email: peter.park@ucdenver.edu
Focus: Urban design, urban highway removal, new urbanism, form-based codes

ANDREW RUTZ
Lecturer
Urban Design Project Manager, MIG
Email: andrewrrutz@gmail.com
Focus: Community planning/urban design, TOD, neighborhood revitalization, streetscape/corridor design

BRAD SEGAL
Lecturer
President, Progressive Urban Management Associates
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Focus: Downtown management, community/economic development, downtown issues

RYAN SOTIRAKIS
Lecturer
Urban Designer, Dig Studio
Email: ryan.sotirakis@ucdenver.edu
Focus: Community planning/urban design, public spaces and parks

KRISTA TROFKA
Lecturer
Planning Consultant
Email: krista.trofka@ucdenver.edu
Focus: Economic development, public-private partnerships, development feasibility

MARILEE UTTER
Lecturer
President, Citiventure Associates LLC
Email: marilee@citiventure.com
Focus: Real estate development, transit-oriented development, urban land use

WHO WE ARE

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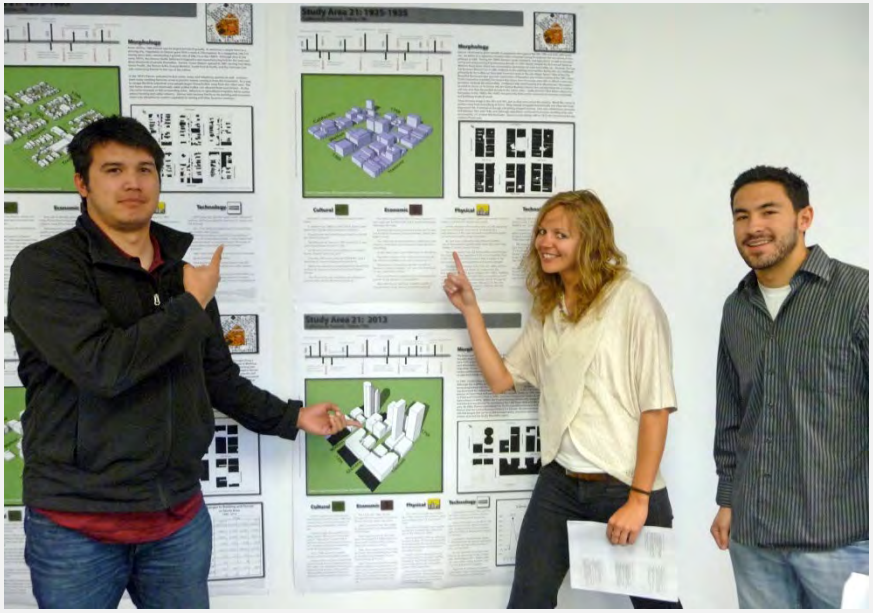
- Established in 1971 and fully accredited since 1986
- Approximately 45 graduates per year and 110 in the program
- Only planning program in Colorado
- Top planning program in the Rocky Mountain West
- Core program within the College of Architecture and Planning



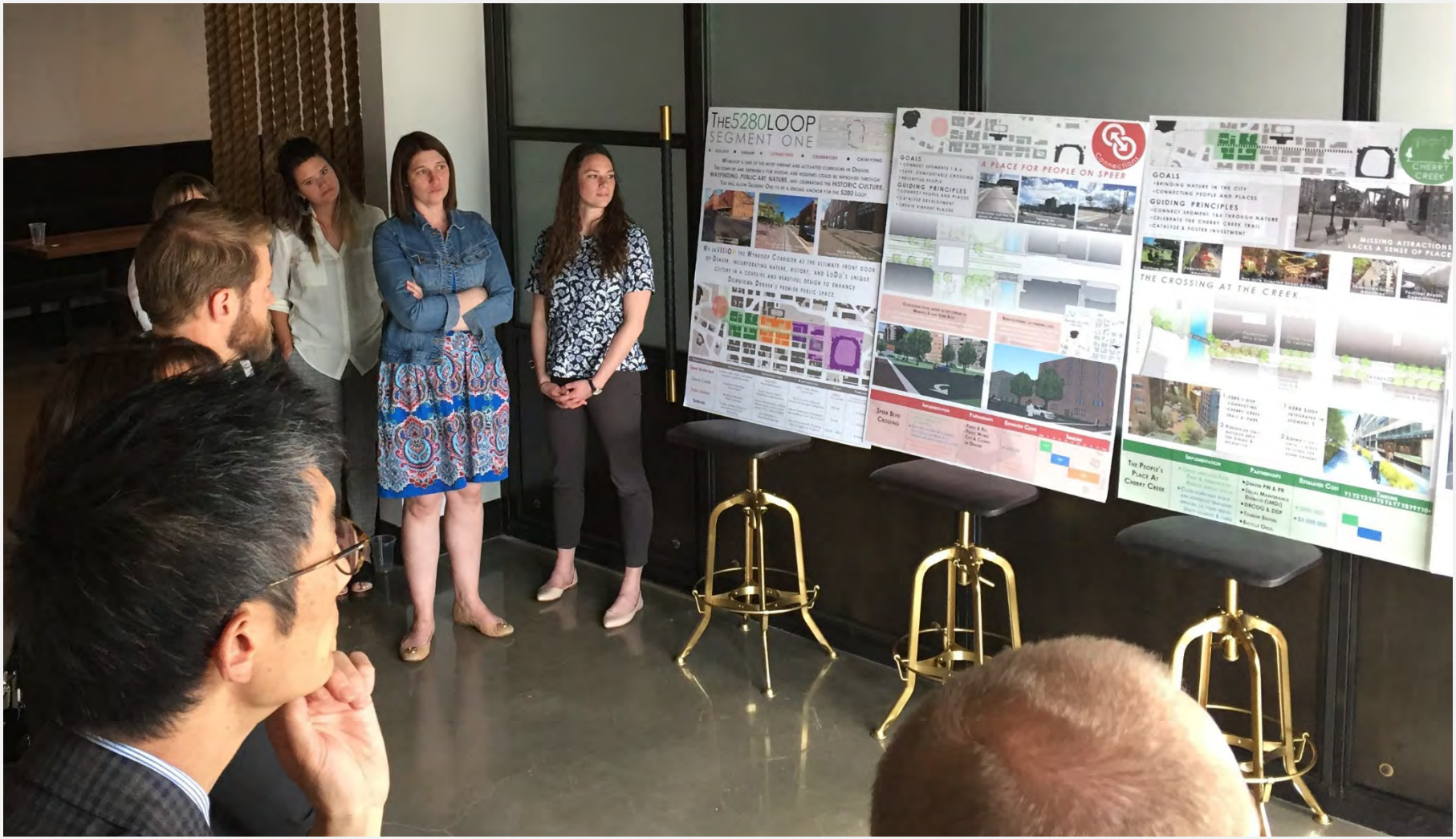
WHO WE ARE

- Coordinate with other CAP and University programs
- Close working relationship with Colorado chapter of APA
- Active and visible in the community
- Well-organized student groups and MURP Alumni Association
- Over 1,400 alumni practicing through Colorado, U.S. and world

WHO WE ARE

- 8 full-time well-respected, engaged and energetic faculty
- A deep network of talented adjunct instructors and lecturers
- An 84% AICP pass rate (8 points higher than national average)
- Ranked #4 in the nation in number of alumni passing AICP

OUR VISION AND MISSION



VISION

- **To be a national leader in educating skilled, engaged planners and supporting vibrant, equitable, and sustainable places and communities.**

MISSION

- To teach our students the knowledge, skills and values they need to be confident, principled, and visionary planners, using Colorado as our classroom to engage students in real-world, experiential learning.

MISSION

- To advance the field of planning through insightful, relevant research that directly informs policy and improves our built, natural and social environments, both locally and globally.

MISSION

- To serve as a vital resource for communities and professionals and to help develop sustainable solutions to the complex planning challenges facing our region, nation, and planet.

PROGRAM HALLMARKS

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- **Engaged and experiential learning**

PROGRAM HALLMARKS

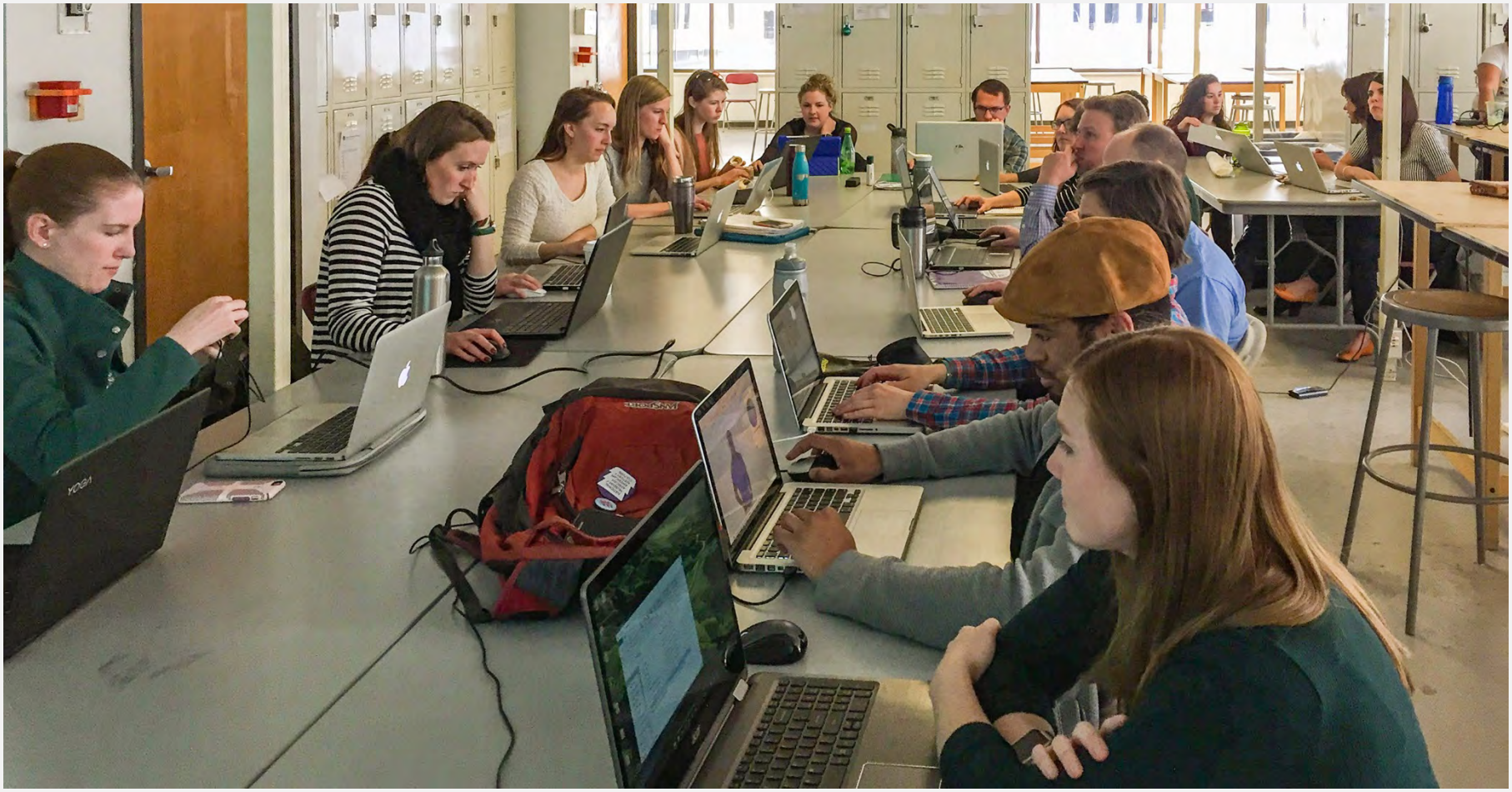
- **Physical planning orientation**

PROGRAM HALLMARKS

- **International learning opportunities**

PROGRAM HALLMARKS

- **Integrated planning technologies**



PROGRAM HALLMARKS

- **Self-directed elective curriculum**

PROGRAM HALLMARKS

- **Professional and career development**

PROGRAM HALLMARKS

- **Diverse faculty experience**

OUR LOCATION

OUR LOCATION

- **Natural Resources: We're surrounded by great scenic beauty, natural and strategic assets and abundant recreational amenities, which allows many to have an exceptional quality of life.**

OUR LOCATION

- **Networks: We have a strong culture of entrepreneurship and collaboration, and an extensive community of professional planners and designers.**

OUR LOCATION

- **Legacy: We have a rich urban heritage and a tradition of civic investment, citizen engagement, and social movements, and many leaders who are passionate about sustainability and resiliency.**

OUR LOCATION

- **Vitality: We have a vibrant downtown and a historic core of traditional urban neighborhoods that are densifying and revitalizing.**

OUR LOCATION

- **Urban Laboratory: We're a national model for planning and design innovation and we have notable examples of virtually every type of urbanism—good and bad—from the past 160 years.**

OUR LOCATION

- **And yet…**

OUR LOCATION

OUR LOCATION

- **Solutions: We also have a rich network of nonprofits, foundations, and government organizations working on programs, plans, and policies to address affordable housing, economic development, health, transportation, jobs, education, and neighborhood change.**

Mile High Connects
Opportunity for all through transit

NEWSED
Community Development Corporation

United for a New Economy

ULC

DOLA

WDRC

THE ZONE MARKETPLACE

OUR LOCATION

- **An extraordinary place to live, learn, and engage while studying urban and regional planning!**

CURRICULUM OVERVIEW

PROGRAM REQUIREMENTS

YEAR 1 FALL

Course #	Course Name	# Credits	Semester Offered	Prerequisite
URPL 5000	Planning History and Theory	3	Fall only	None
URPL 5010	Planning Methods	3	Fall only	None
URPL 5030	The Planning Profession	3	Fall only	None
	Elective course	3		See course description
	Total Credit Hours:	12		

YEAR 1 SPRING

Course #	Course Name	# Credits	Semester Offered	Prerequisite
URPL 5040	Urban Sustainability	3	Spring only	None
URPL 5050	Urban Development	3	Spring only	None
URPL 5060	Planning Workshop	6	Spring only	9 MURP credits of which at least 6 must be 5000-series core courses
	Total Credit Hours:	12		

AFTER YEAR 1 SPRING

Course #	Course Name	# Credits	Semester Offered	Prerequisite
URPL 6000	Planning Project Studio	6	Summer or Fall	URPL 5060 Planning Workshop
URPL 5020	Planning Law and Institutions	3	Fall only	None
	Elective courses	15		See course description
Student's choice of ONE of the following 6-credit courses:				
URPL 6900	Planning Capstone	6	Spring	URPL 5060 Planning Workshop
URPL 6920 URPL 6925	Planning Thesis A Planning Thesis B		Fall / Spring	URPL 5060 Planning Workshop
	Total Credit Hours:	30		

Typical two-year course sequence and prerequisites

PROGRAM REQUIREMENTS

Course #	Core Course Name	# Credits
URPL 5000	Planning History and Theory	3
URPL 5010	Planning Methods	3
URPL 5020	Planning Law and Institutions	3
URPL 5030	The Planning Profession	3
URPL 5040	Urban Sustainability	3
URPL 5050	Urban Development	3
URPL 5060	Planning Workshop	6
URPL 6000	Planning Project Studio	6
Student's choice of ONE of the following 6-credit courses:		
URPL 6900	Planning Capstone	6
URPL 6920 and 6925	Planning Thesis A and B	
	Core Courses Total	**36**
	Regular Elective Courses	15
	Advanced Skills/Methods Elective Course	3
	Required Total Credit Hours	**54**

Core courses and credit hour requirements

Course #	Elective Course Name	# Credits
URPL 6210	Planning Engagement	3
URPL 6225	Urban Policy Analytics	3
URPL 6250	GIS for Urban Planning	3
URPL 6265	Visualization for Planning	3

Advanced skills/methods elective courses

DUAL DEGREES AND CERTIFICATES

- MURP + Master of Architecture (MArch) Dual
- MURP + Master of Landscape Architecture (MLA) Dual
- MURP + Master of Business Administration (MBA) Dual
- MURP + Master of Public Administration (MPA) Dual
- MURP + Master of Public Health (MPH) Dual
- MURP + Juris Doctorate (JD) Dual
- MURP + Master of Science in Historic Preservation (MSHP) Dual
- MURP + Master of Engineering – Transportation (MENG) Dual
- MURP + Master of Urban Design (MUD) Concurrent
- MURP + Geographic Information Systems (GIS) Certificate

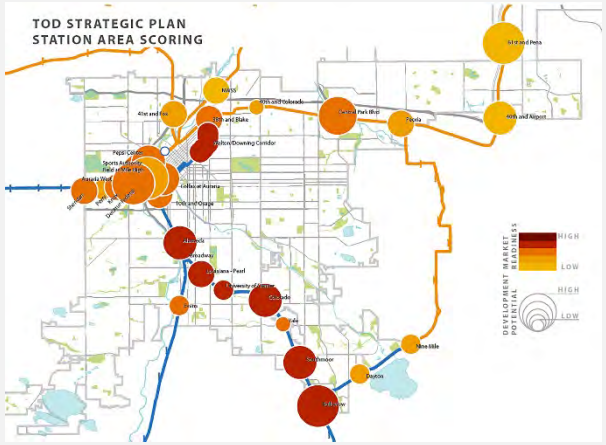
CORE LECTURE COURSES

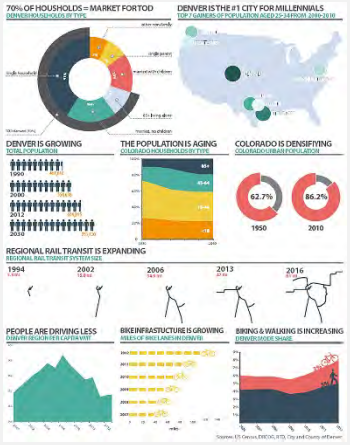
PLANNING HISTORY AND THEORY

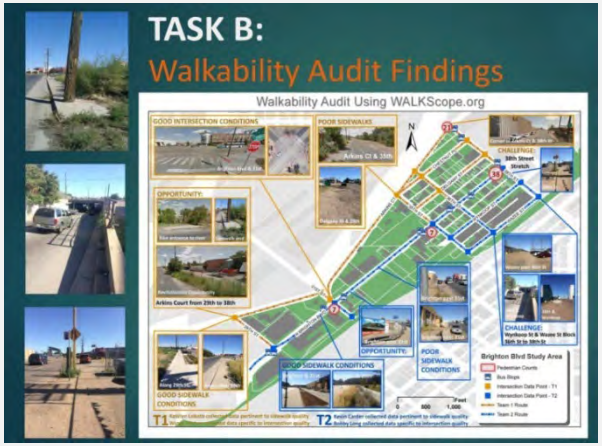
- Why do we plan?
- Why did the profession of planning develop?
- How has planning affected people and cities?
- Are there good and bad ways to practice planning, and if so, how do we know what these are?

PLANNING METHODS

- What is data and how do we use it in planning?
- How do we organize and manage data?
- What are planning data collection methods?
- How do we analyze and synthesize planning data?
- How do we tell the story about our data through written, oral, and graphic communication?
- How do we use tools like Access and Excel in planning?

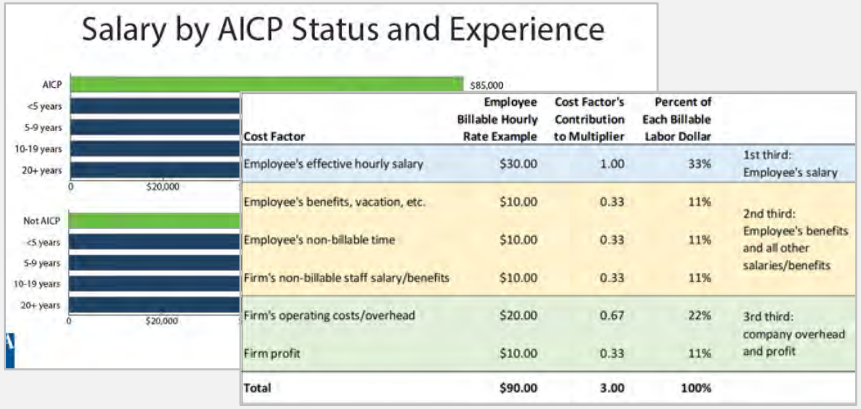






THE PLANNING PROFESSION

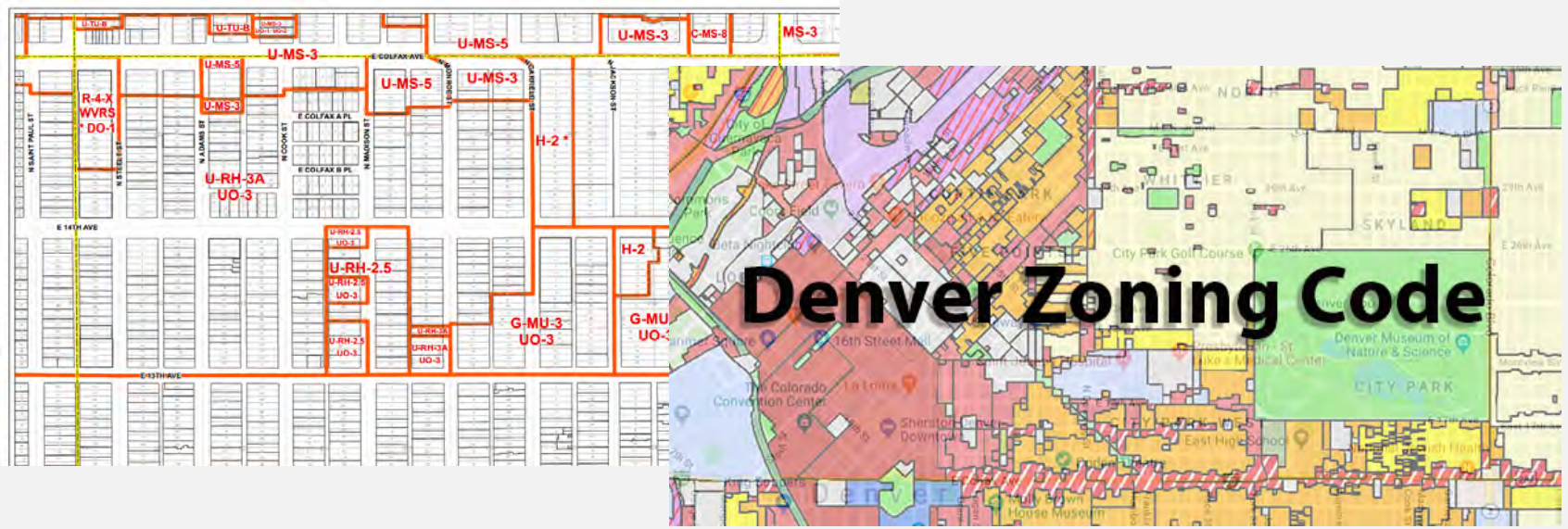
- Types of planners and planning employment sectors
- Planning skills, knowledge areas, and values
- Networking and building relationships
- Personal marketing and career development
- Planning ethics and professional conduct
- Project solicitation, contracting, work plans, budgets
- Intro to Adobe Photoshop, Illustrator and InDesign
- Over 25 different planners as guest speakers!



Cost Factor	Employee Billable Hourly Rate Example	Cost Factor's Contribution to Multiplier	Percent of Each Billable Labor Dollar	
Employee's effective hourly salary	$30.00	1.00	33%	1st third: Employee's salary
Employee's benefits, vacation, etc.	$10.00	0.33	11%	2nd third: Employee's benefits and all other salaries/benefits
Employee's non-billable time	$10.00	0.33	11%	
Firm's non-billable staff salary/benefits	$10.00	0.33	11%	
Firm's operating costs/overhead	$20.00	0.67	22%	3rd third: company overhead and profit
Firm profit	$10.00	0.33	11%	
Total	$90.00	3.00	100%	

PLANNING LAW AND INSTITUTIONS

- Government/institutional settings where planning takes place
- Planning-related legal doctrines
- Planning-related statutory laws and ordinances
- Legal aspects of planning substance and procedure
- Drafting planning law and ethics-related memoranda



URBAN SUSTAINABILITY

- Sustainability theory and frameworks
- Planning and zoning tools for the environment
- Planning-relevant federal environmental legislation
- Indicators and metrics
- Water quality, pollution, storm water management
- Air quality and emissions
- Efficiency in transportation and buildings
- Urban forestry and agriculture

URBAN DEVELOPMENT

- Who are the participants in the city-building process?
- How plans and planning guide development
- Real estate development process
- Development review process and the plan commission
- Zoning and sub-division codes
- Managing risks: pro-formas, market studies
- Public finance: bonds, TIF, taxes, fees, grants

CORE STUDIO COURSES

PLANNING WORKSHOP

- Introduction to physical planning and site design
- Existing conditions data collection
- Plan-making and the planning process
- Written, oral, and graphic communication
- Real-world sites and clients
- Introduction to GIS and SketchUp

PLANNING PROJECT STUDIO

- **Single project from start to end for real-world client**
- **Three options:**
  - **Fall Semester: Denver-based urban client and project**
  - **Summer Semester: Mountain-based small-town client and project**
  - **Summer Semester: International travel abroad client and project**
- **Urban studio projects from past few years:**
  - **Golden Triangle Neighborhood Plan Update**
  - **Downtown to Cherry Creek Streetcar Feasibility Study**
  - **Lower Downtown Alleys Master Plan**
  - **Downtown Denver Parks and Public Spaces Concept Plans**

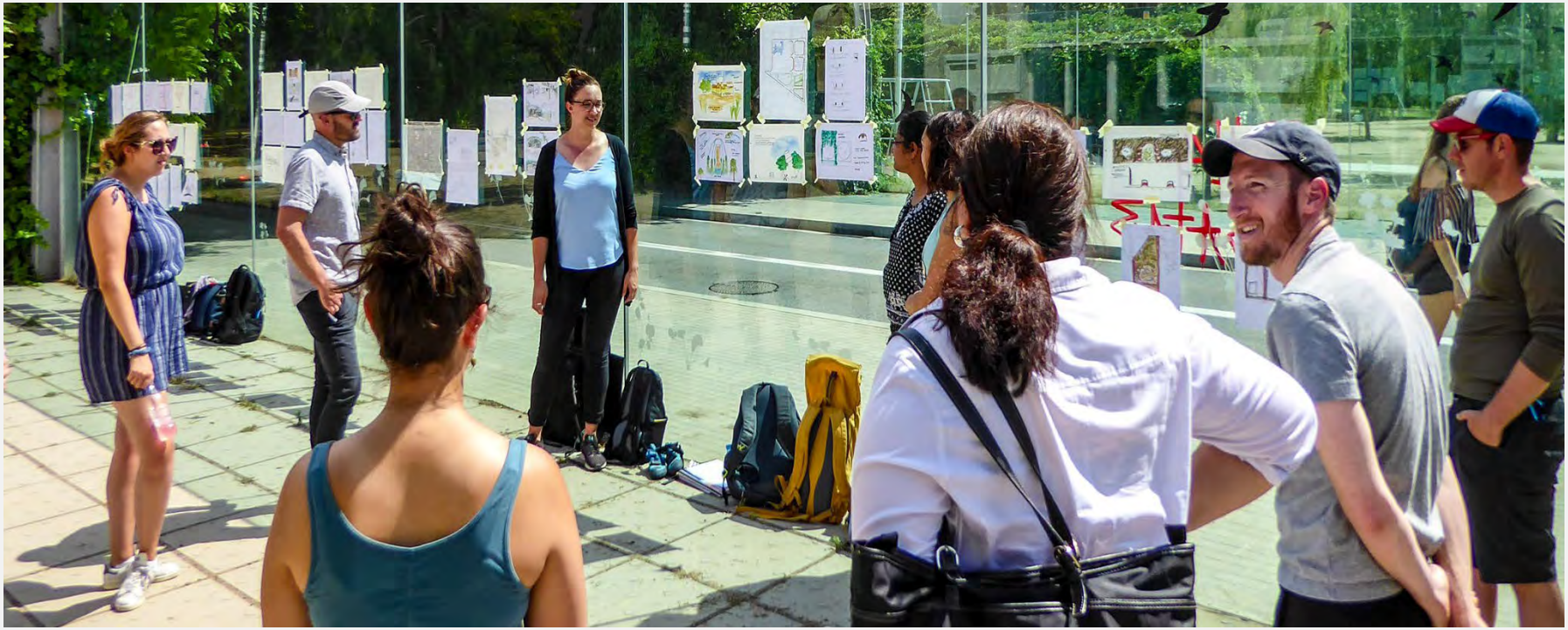
STUDYING ABROAD

GREECE

- Multi-disciplinary planning and design studio with an emphasis on sustainable tourism planning
- Work with local planning officials and stakeholders to define the work scope.

SPAIN

- Multidisciplinary course with MUD, MLA, MArch in Barcelona
- Collaborative teams
- Focus on streets as public spaces and revitalizing public spaces
- Public space analysis methodologies



INDIA

- What are the human-caused drivers of landslide risk in the Darjeeling region of India?
- Save the Hills – local nonprofit
- Five students on small research project

CAPSTONE / THESIS

CAPSTONE/THESIS REQUIREMENT

Capstone *(kap-stohn), noun*

1. **A finishing stone of a structure**
2. **The crowning achievement, element or event**

Project Title	Client Organization
An Action Plan for Initiating Conservation and Recovery Plans for Priority Species of Special Concern in Boulder County	Boulder County Parks and Open Space
U.S. Bicycle Routes for Colorado	CDOT
Summary and Evaluation of "Big Data" Sources for Transportation Planning	Charlier Associates
Undue Concentration of Low-Income Households	CHFA (Colorado Housing Finance Assoc.)
Best Practices and Options for Revision of Steamboat Springs Current Waterbody Setback Regulations	City of Steamboat Springs
Identifying ETOD Investments in Greater Denver	Enterprise Community Partners
Potential for Form-Based Zoning Codes to Promote Affordable Housing	Housing Colorado
Sheridan Quincy Trail Improvement Plan	Institute for Environmental Solutions
Understanding Local Policies for First/Last Mile Connections	Mile High Connects
Red Rocks Amphitheater Long-Range Plan	Denver Arts and Venues

ELECTIVE COURSES

ELECTIVE COURSES – FALL SEMESTER

- Land Development Regulations
- GIS for Urban Planning
- Visualization for Planning
- Design Practice
- Introduction to Sustainable Infrastructure
- Urban Housing
- Real Estate Development and Finance
- Preservation Theory and Practice
- Environmental Planning and Management
- Transit, Pedestrian, and Bicycle Planning
- Regional Growth and Equity
- Small Town, Rural, and Resort Planning
- Disaster and Climate Change Planning
- International Development Planning

ELECTIVE COURSES – SPRING SEMESTER

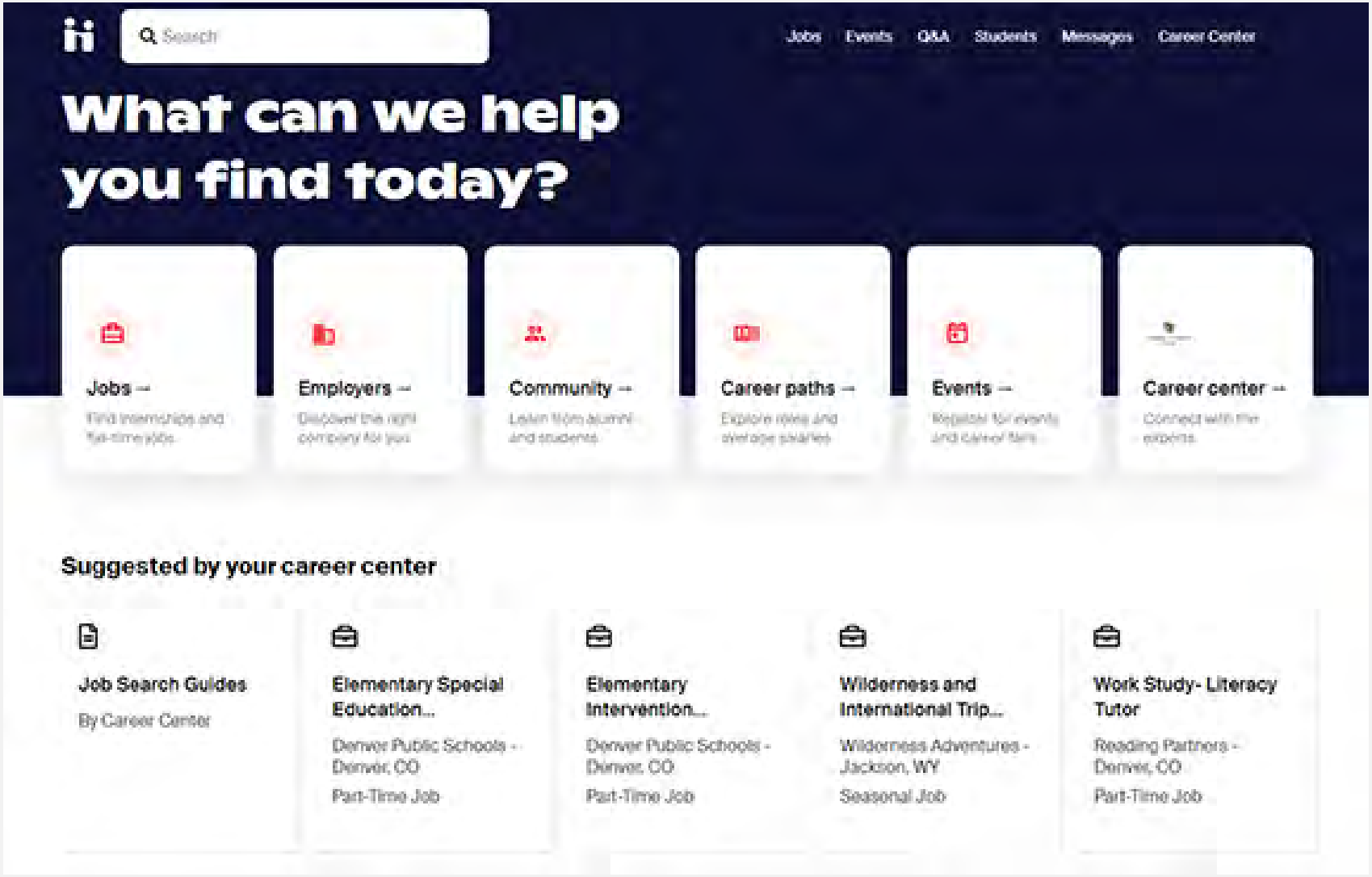
- Plan Making
- Planning Engagement
- Urban Policy Analytics
- Advanced Geospatial Methods
- Form and Formation of Cities
- Urban Redevelopment Strategies
- Parks and Public Spaces
- Design Policy
- Design Practice
- Community Development
- Transportation, Land Use and the Environment

ASSISTANCE AND EMPLOYMENT

INTERNSHIPS AND MENTORING

- **Internship Benefits:**
  - Hands-on experience; learning to “think like a planner”
  - Professional networking
  - Personal and professional growth
- **Eligible for 3 elective credits, or non-credit**
- **Intentional learning experience:**
  - Learning Agreement required
  - Weekly brief writing assignments
- **Often paid (but not always)**
- **CU Denver Handshake Jobs Portal**
- **Mentorships and job shadowing through APA**

INTERNSHIPS AND MENTORING



TAs / RAs / Student Workers

- Teaching Assistants – potential positions for 2nd-year students
- Research Assistants – potential positions through MURP research faculty, CCCD, CCSU
- Student Workers – potential positions for administrative work at College or Department levels

Master of Urban and Regional Planning

COLLEGE OF ARCHITECTURE AND PLANNING

UNIVERSITY OF COLORADO **DENVER**

QUESTIONS?