

Shawhin Roudbari, PhD PE

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Shawhin Roudbari is an associate professor in Environmental Design (ENVD) at the University of Colorado Boulder. In his research, Shawhin studies ways designers organize to address contentious social problems such as racism and human rights violations. In addition to engaging transnational institutions, Shawhin bridges sociological studies of social movements and race with architectural theory. He is a founding member of the Dissent by Design Collective, which uses design and theory building to investigate ways dissent and anti-racism are articulated through architectural scales of space. He currently serves as co-director of the Center for Community Engagement, Design, and Research (CEDaR), is a founding executive committee member of the Center for Creative Climate Communication and Behavior Change (C3BC), and is a member of the editorial board of the Journal of Architectural Education (JAE).

Education

- 2010-2013 **PhD in Architecture**, College of Environmental Design, University of California Berkeley
Areas of focus: Institutions of Global Architecture and Environmental Design Practice, Geography and Sociology of Development, Urban Studies
- 2008-2010 **MS in Architecture**, College of Environmental Design, University of California Berkeley
Areas of focus: Environmental Design and Urbanism in Developing Countries, Architecture History, Cultural Geography, City and Regional Planning
- 2002-2004 **MS in Civil and Environmental Engineering**, Cornell University
Areas of focus: Structural Engineering, Geotechnical Engineering, and Management
- 2000-2002 **BS in Civil and Environmental Engineering**, University of California Berkeley

Positions

- 2023-present **Associate Professor**, Environmental Design, University of Colorado Boulder
- 2016-2023 **Assistant Professor**, Environmental Design, University of Colorado Boulder
- 2022-present **Co-director**, Center for Community Engagement, Design, and Research (CEDaR), University of Colorado Boulder
- 2014-2015 **Visiting Assistant Professor**, Environmental Design, University of Colorado Boulder

Publications

Underlined co-authors are students or postdoctoral researcher(s) that I have helped mentor.

Published Peer-Reviewed Journal Papers

- 2024 Barron, Ben Nevis, Shawhin Roudbari, Phaedra C. Pezzullo, Shideh Dashti, and Abbie B. Liel. “Because We’re Dying in Here”: A Study of Environmental Vulnerability and Climate Risks in Incarceration Infrastructure.” *Environment and Planning E: Nature and Space*, <https://doi.org/10.1177/25148486241289006>.
- 2023 Niles, Skye, Shawhin Roudbari, Santana Contreras, ““Try to Enlighten People without Pushing it Too Much”: Neoliberal Multiculturalism and The Reformulation of Colonial Racial Hierarchies in International Development,” *Sociology of Race and Ethnicity*.
- 2023 Giata, Joris, Matthew Rowe, Shawhin Roudbari, “Expand or Translate? Theorising Work in Professionals’ Activism,” *Professionalism and Social Change: Processes of Differentiation Within, Between and Beyond Professions*.

- 2023 Glade, Sara Christina, Caleb Schmitz, Shawhin Roudbari, Abbie Liel, Shideh Dashti, Shelly Miller, "Hazards and incarceration facilities: evaluating facility-level exposure to floods, wildfires, extreme heat, and landslides in Colorado," *Natural Hazards Review* 25.1.
- 2022 Roudbari, Shawhin, Ana Quiñones Colon, Ann Dang, "Rendering Racism: visualizing colorblind architecture," *Design Studies*.
- 2022 Lisa Henry, Tonia Sing Chi, Shawhin Roudbari, and Bz Zhang, "Unseen Matters: Emerging Counter-Institutional Pedagogies," invited "micronarrative" for *Journal of Architectural Education*.
- 2022 Glade, Sara Christina, Skye Niles, Shawhin Roudbari, Phaedra C. Pezzullo, Shideh Dashti, Abbie Liel, Shelly Miller, "Disaster resilience and environmental sustainability of incarceration infrastructures: A review of the literature," *International Journal of Disaster Risk Reduction*.
- 2021 Contreras, Santana and Shawhin Roudbari, "Who's Learning from Whom? Grassroots International NGOs Learning from Communities in Development Projects," *Development in Practice*, 1-14.
- 2020 Niles, Skye, Shawhin Roudbari, Santana Contreras, "Integrating Social Justice and Political Engagement into Engineering," *International Journal of Engineering, Social Justice, and Peace*. 7.1: 52-64, 10.24908/ijesjp.v7i1.13568
- 2020 Rowe, Matthew, Joris Gjata, Shawhin Roudbari, "Dissenting Designers: Reading Activism and Advocacy in Architecture through a Sociological Lens," *Architectural Theory Review* 24.1: 69-85.
- 2020 Niles, Skye, Santana Contreras, Shawhin Roudbari, Jessica Kaminsky, Jill Harrison, "Resisting and Assisting Engagement with Public Welfare in Engineering Education," *Journal of Engineering Education* 109.3: 491-507.
- 2019 Contreras, Santana, Skye Niles, Shawhin Roudbari, Jessica Kaminsky, Jill Harrison, "Bridging the Praxis of Hazards and Development with Resilience," *International Journal of Disaster Risk Reduction*. 42: 1-8.
- 2019 Roudbari, Shawhin, Mehdi Heris, Manny Hakhamaneshi, and Shideh Dashti, "Mediating Design Claims: the Politics of Social Media in Iran's Maskan-e Mehr Social Housing Disaster in the 2017 Halabja Earthquake," in *Natural Hazards Review* 21.1: 04020012-1 - 04020012-10.
- 2018 Roudbari, Shawhin, "Renegade Cosmopolitans: Iranian Architects, Professional Power, and the State," *Iranian Studies* 51.6: 905-930.
- 2017 Roudbari, Shawhin, "Crowdsourced and crowd-pleasing: the new architectural awards and the city," *Journal of Urban Design* 23.2: 206-222.

Published Peer-Reviewed Conference Proceedings

- 2024 Roudbari, Shawhin, Aspen Randolph, Chloe Nicklas, "Architectures of White Supremacy: Measuring Racism in College Campus Design," Proceedings of the *Association for Collegiate Schools of Architecture*, Annual Meeting 112.
- 2022 Roudbari, Shawhin, Katelyn Warren, Michelle Sanchez, "Participatory Anti-Racist Design," Proceedings of the *Association for Collegiate Schools of Architecture*, Annual Meeting 110.
- 2021 Roudbari, Shawhin, Germane Barnes, and Skye Niles, "White Space: the architecture of institutional racism." Proceedings of the *Association for Collegiate Schools of Architecture*, Annual Meeting 109.
- 2020 Roudbari, Shawhin, Joris Gjata, and Matthew Rowe, "Contemporary Forms of Social Justice Activism in Architecture," Proceedings of the *Association for Collegiate Schools of Architecture*, spring Annual Meeting 108.
- 2019 Roudbari, Shawhin, Ana Damari Colon Quinones, Ann Marie Dang, "Forming Anti-racist Spaces," Proceedings of the *Association for Collegiate Schools of Architecture*, fall Annual Meeting, 2019.

Published Peer-Reviewed Book Chapters

- 2021 Roudbari, Shawhin, "Crowdsourced and crowd-pleasing: the new architectural awards and the city," chapter in Nadia Alaily-Mattar and Alain Thierstein, eds. *Urban Transformations through Exceptional Architecture*. New York: Routledge. This is a reprint of a published article.

- 2019 Cayer, Aaron, Peggy Deamer, Shawhin Roudbari, Manuel Shvartzberg Carrió, “Socializing Practice: From Small Firms to Cooperative Models of Organization,” in Dodd, Melanie (ed.) *Spatial Practices: Modes of Action and Engagement with the City*. New York: Routledge, 245-255.
- 2019 Roudbari, Shawhin, “Making Architecture Modern: a History of Globalization in Iran’s Architecture Profession,” in Gharipour, Mohammad (ed.) *Architectural Dynamics in Pre-Revolutionary Iran*. New York: Routledge, 57-80.
- 2018 Roudbari, Shawhin, “Architecture Without Borders? The globalization of humanitarian architecture culture” in Karim, Farhan. (ed.) *Routledge Companion to Architecture and Social Engagement*. New York and London: Routledge, 441-448.
- 2015 Roudbari, Shawhin, “Instituting Architecture: A History of Transnationalism in Iran’s Architecture Profession, 1936 – 1996.” *Historiography of Persian Architecture*. New York: Routledge, 173-203.

Published Reviews

- 2019 Roudbari, Shawhin, “Occidental Perceptions of European Architecture in Nineteenth-Century Persian Travel Diaries: Travels in Farangi Space,” *Iranian Studies* 52.3-4: 633-637, 10.1080/00210862.2019.1619414.

Other Publications (editorial-review articles, books, and theses)

Editorial and curatorial reviewed journals play a significant role in academic and professional discourse in architecture. Prominent publications such as Log and MAS Context fall in this category.

- Forthcoming Agrawal, Shalini, Tonia Sing Chi, Lisa Henry, Shawhin Roudbari, and Bz Zhang, *Challenging Patterns of Supremacy*. MAS Context.
- 2025 Shawhin Roudbari and Shideh Dashti, “Extreme heat, flooding, wildfires – Colorado’s formerly incarcerated people on the hazards they faced behind bars,” *The Conversation*, January 22, 2025
- 2022 Collectively authored with members of Dark Matter University collective, “The Other Day, We Started a Shared Doc...,” *Log 54: Coauthoring*.
- 2021 Shawhin Roudbari and Germane Barnes, eds. *Vigilantism*. Chicago: MAS Context. *My co-author and I edited this volume of MAS Context (310 pages), featuring contributions from 17 collaborators. This book was a winner of the 2021 STA100 design award (a juried competition of the Society of Topographic Arts).*
- 2021 McKittrick, Katherine, Shawhin Roudbari, and Germane Barnes, “The Architectural Elements of Vigilantism: an interview with Katherine McKittrick,” *MAS Context 33: Architectures of Vigilantism*, 290-299.
- 2021 Barnes, Germane and Shawhin Roudbari, “Architectures of Vigilantism,” *MAS Context 33: Architectures of Vigilantism*, 6-9.
- 2021 Barnes, Germane and Shawhin Roudbari, “Collisions: White Hegemony and Black Occupation,” *MAS Context 33: Architectures of Vigilantism*, 54-69.
- 2020 Gabriel Cira, Peggy Deamer, Ashton Hamm, James Heard, Will Martin, Quilian Riano, Shawhin Roudbari, and Christian Rutherford, “Template for a cooperative Network of Small Architecture Practices,” *MAS Context*.
- 2020 Niles, Skye and Shawhin Roudbari, “Design, Politics, and Infrastructures of Immobility,” *Platform*, August 3, 2020.
- 2019 Sector, Kate, Nathan Jones, Shawhin Roudbari, eds. *An Architecture of Dialogue: Learning From the Boulder Dushanbe Teahouse*. Boulder, CO: Bāuu Press.
- 2019 Roudbari, Shawhin with the Architecture Lobby, “Three degrees of ethical engagement: a manifesto for architects,” *Platform*, August 22, 2019.

- 2013 Roudbari, Shawhin, “The Transnational Transformation of Architecture Practice: Iranian Architects in the New Geography of Professional Authority, 1945-2012,” Doctoral Dissertation, University of California Berkeley.
- 2010 Roudbari, Shawhin, “Reimag(in)ing a Soviet City: New Construction and Disruption of the Soviet Urban Order in Dushanbe, Tajikistan,” Masters Thesis, University of California Berkeley.
- 2006 Roudbari, Shawhin, “Self-Adaptive Finite Element Analysis,” Masters Thesis, Cornell University.

Other Creative Work

Exhibits

- 2024 “Architectures of Woman, Life, Freedom,” co-curator, National Museum of World Cultures, Mexico City, summer and fall, 2024
- 2022 “‘You Couldn’t Hide From It’: entanglements of climate change and incarceration,” Engineering Center, CU Boulder, December 2022 with support from Center for Creative Climate Communication and Behavior Change (C3BC), Climate and Incarceration Research Collective (CIRCcol), and the Center for Community Engaged Design and Research (CEDaR)
- 2022 “Dark Matter University,” a collaborative installation with members of Dark Matter University, Lisbon Architecture Triennale, Lisbon, Portugal, September through December 2022
- 2022 “Race Conditions: an exploration of the spatial operations of whiteness,” Environmental Design Gallery, CU Boulder, April 2022
- 2021 “Block Party,” collaboration with design lead, Germane Barnes (Studio Barnes), and Iker Gil (MAS Context), Chicago Architectural Biennial, Chicago, IL, fall 2021
- 2020 “Frames: an investigation of colorblind racism in architecture,” Environmental Design Gallery, CU Boulder, February 2020

Grants

Awarded Grants

- 2024 PACES outreach grant for Dark Matter U public engagement with *Challenging Patterns of Supremacy* book and workshop series (\$10k for 1 year).
- 2023 Co-PI for “Side by Side: Youth-Authored Art-Science Exhibits to Broaden Participation in Climate Communication,” with PI Rebecca Safran and co-PI Beth Osnes, *National Science Foundation* (\$2M for four years).
- 2023 [“Challenging Patterns of Supremacy: Provocations from Collective Pedagogy, Practice, and Organizing.”](#) with Shalini Agrawal, Tonia Sing Chi, Lisa C. Henry, Shawhin Roudbari, and Bz Zhang, for Dark Matter University, and in collaboration with Iker Gil, MAS Context, *Graham Foundation* (\$10k for 1 year).
- 2022 Co-PI for [“Building Legacy in Engineering.”](#) with PI Jessica Leeker, *National Science Foundation* (\$2.3M for 5 years).
- 2022 PI for “Participatory urban détournement: challenging anti-Asian racism through critical engagement in racialized landscapes,” with collaborators Ana Colon and Ann Dang, Asian Americans Advancing Justice (AAJC) in partnership with Kaiser Permanente and CU Boulder Center for Humanities and Arts
- 2022 PI for “Antiracism in action: participatory mapping of cultural resources with Boulder’s BIPOC community,” with co-PI Lisa Schwartz, CU Boulder Undergraduate Research Opportunities Program

2020-2022	PI for “Participatory Antiracist Design with the Trident Community,” Community Impact Grant, Office for Outreach and Community Engagement, University of Colorado Boulder
2019	Faculty Success Grant for participation in National Center for Faculty Development and Diversity, <i>Leadership Education for Advancement and Promotion</i>
2017-2021	PI for “Engineering Dissent: Moving Political Engagement for Social Justice from the Vanguard into the Mainstream of the Engineering Profession.” <i>National Science Foundation</i> (\$369,480 for 3 years)
2016-2020	PI for Collaborative research grant, “Institutional Cultures of Ethical Practice in Engineering for Development Programs.” <i>National Science Foundation</i> (\$382,664 for 3 years), with Co-PIs Jill Harrison (CU Boulder Sociology) and Jessica Kaminsky (University of Washington Civil and Environmental Engineering)
2018	Co-PI for “Decolonizing Theory Workshop: Symposium for Theory Courses in the Spatial Professions,” with PI Danielle Rivera, University of Colorado Boulder IMPART Faculty Fellowship
2014	PI for University of Colorado Boulder IMPART Faculty Fellowship for research on multicultural perspectives in design education
2014	University of Colorado Boulder Summer Teaching Innovation Grant

Presentations and Lectures

Peer-Reviewed Conference Papers and Presentations (not published in proceedings)

2022	<u>Niles, Skye</u> and Shawhin Roudbari, “Neoliberalizing Race in International Development,” <i>American Sociological Association</i> (ASA), Annual Meeting, Los Angeles, CA.
2020	<u>Contreras, Santana</u> and Shawhin Roudbari, “Who’s Learning and Gaining in Community Participation? Organizational Learning in International Development,” <i>Association of Collegiate Schools of Planning</i> (ACSP), Session on Participation and Urban Upgrading, November 2020.
2019	Roudbari, Shawhin, “Forming Anti-racist and counter-hegemonic spaces,” <i>Association of Collegiate Schools of Architecture</i> (ACSA), <i>Fall Conference</i> , Stanford University, CA.
2019	<u>Gjata, Joris</u> , <u>Matthew Rowe</u> , Shawhin Roudbari, “Tools and targets of activist professionals: theorizing work in professional movements,” <i>International Sociological Association</i> (ISA), RC52: Sociology of Professional Groups, Florence, Italy.
2019	Roudbari, Shawhin, <u>Matthew Rowe</u> , <u>Joris Gjata</u> , “Dissent and Racial Equity in the Work and Institutions of Architects,” <i>Association of Collegiate Schools of Architecture</i> (ACSA), Pittsburgh, PA.
2018	Roudbari, Shawhin, “Design as Transgression: Activism for Racial Justice at the 2017 Black in Design Conference,” <i>American Sociological Association</i> (ASA), Philadelphia, PA.
2018	Roudbari, Shawhin, Mehdi Heris, Shideh Dashti, and Manny Hakhamaneshi, “Mediating Design Claims: the Politics of Social Media in Iran’s Maskan-e Mehr Social Housing Disaster,” <i>American Sociological Association</i> (ASA), Philadelphia, PA.
2018	<u>Contreras, Santana</u> and Shawhin Roudbari, “Participation as a Two-way Street: Small Organizations Learning from Communities in International Development,” <i>Association of Collegiate Schools of Planning</i> (ACSP), Buffalo, NY.
2016	Roudbari, Shawhin and <u>Avery Laeunesse</u> , “Locating Underrepresented Perspectives in Interdisciplinary Planning Programs,” <i>Association of Collegiate Schools of Planning</i> (ACSP), Portland, OR.
2015	Roudbari, Shawhin, “Institutional Cultures of Community Engagement in Engineering-for-Development Programs,” <i>Society for Social Studies of Science</i> , Denver, CO.
2013	Roudbari, Shawhin, “Transnationalism in Iran’s Architecture Profession, 1992-2012,” <i>American Sociological Association</i> , New York.

- 2014 Roudbari, Shawhin, "Looking and Moving Abroad: The Transnational Transformation of Iran's Architecture Profession, 2000-2012." *Iranian Studies Conference*, Montreal, Quebec.
- 2014 Roudbari, Shawhin, "Transnationalism in Iran's Architecture Profession, 1945-1995." *Society of Architectural Historians*, Austin, TX.

Invited Lectures and Non-Peer Reviewed Presentations

- 2023 "White supremacy in/of architecture: notes on the environmental injustice of policing race in domestic spaces," Housing Justice Futures panel at University of Pennsylvania, March, 2023
- 2022 "Challenging Patterns of Supremacy: Provocations from Collective Pedagogy, Practice, and Organizing," University of California Berkeley, College of Environmental Design lecture series, co-presented with Tonia Sing Chi, Lisa Henry, Shalini Agrawal, and Bz Zhang, on behalf of Dark Matter University, September 7, 2022.
- 2022 "Mapping Networks of Power and Care," University of California Berkeley, College of Environmental Design invited workshop, co-presented with Tonia Sing Chi, Shalini Agrawal, and Bz Zhang, on behalf of Dark Matter University, September 9, 2022.
- 2021 "Architectures of Vigilantism: white hegemony and the policing of space," AIA-Miami, *On Climate*, co-presented with German Barnes, June 18, 2021.
- 2021 "Macro-tips for micro-aggressions," NOMA-Colorado panel, May 20, 2021.
- 2021 "Decolonizing Design Research: Scholarship, Application, Activism, and Assessment," panel with Eve Klein, Fauzia Khanani, *Environmental Design Research Association*, annual meeting.
- 2021 "Architectures social problems: notes from research on racism and political engagement in architecture" CookFox Justice League Lecture Series, New York.
- 2021 "Ethnographies of Iran: Dignity, Power, and Transnational Politics," presentation and panel, Farzaneh Family Center for Iranian and Persian Gulf Studies, University of Oklahoma, April 15.
- 2021 "Architectures of Vigilantism: white hegemony and the policing of space," Ohio State University, Architecture Department Lecture Series, April 7, co-presented with Germane Barnes
- 2020 "Decolonizing Design Research: Activist Scholar," webinar and panel convened by the American Institute of Architects, New York Center for Architecture, Committee on Social Sciences and Design, December 14, 2020
- 2020 "Architectures of Vigilantism: when spaces of white hegemony and black occupation collide," MAS Context lecture delivered with Germane Barnes, November 12, 2020
- 2020 "Architectures of Vigilantism: white hegemony and the policing of space," University of Minnesota, Architecture Department Lecture Series, November 11, co-presented with Germane Barnes
- 2020 "The Cape and the Cowl: architectures of vigilantism," Texas Tech University, School of Architecture Lecture Series, September 14, co-presented with Germane Barnes
- 2019 Roudbari, Shawhin, "Doing Justice: Architecture's Social Responsibility," AIA Christopher Kelley Leadership Development Program, Denver, CO. Invited workshop and lecture.
- 2019 Niles, Skye, Santina Contreras, Shawhin Roudbari, Jessica Kaminsky, Jill Harrison, "Politicizing Engineering's Past, Envisioning Engineering Futures," interactive workshop at *Engineering, Social Justice, and Peace*, New York.
- 2019 Giata, Joris, Matthew Rowe, Shawhin Roudbari, "An Old Quest for A New Engineer: How engineering scholars envision engineers' organizing around social problems," *Engineering, Social Justice, and Peace*, New York.
- 2018 Niles, Skye, Santina Contreras, Shawhin Roudbari, Jessica Kaminsky, and Jill Harrison, "Bringing in "The Social" Resisting and Assisting Social Engagement in Engineering Education," *WEEF Peace Engineering Conference*, New Mexico.

- 2017 Roudbari, Shawhin, "Activism in the Chilean Architecture Profession: Moving Design for Social Justice into the Mainstream." *Association of American Geographers*, San Francisco, CA.
- 2016 Roudbari, Shawhin, "Studying cultures of ethical community engagement." Invited talk at Portland State University's *Center for Public Interest Design* (PSU CPID).
- 2016 Roudbari, Shawhin, "The Global System of Architectural Recognition: Exposure and Distinction in International Design Awards." *Association of American Geographers*.
- 2016 Roudbari, Shawhin, "Imaging a new architecture: producing and consuming symbolic capital in architecture in the Internet age." *Environmental Design Research Association*, Raleigh.
- 2014 Roudbari, Shawhin, "The Web and the Dislocation of Traditions of Authority." *International Association for the Study of Traditional Environments*, Kuala Lumpur, Malaysia.
- 2014 Roudbari, Shawhin, "Transnational Credibility: Iranian Architects in the New Geography of Design Recognition." Invited paper presentation for the University of Colorado Boulder Geography Colloquium.
- 2013 Roudbari, Shawhin, "Transnationalization of Design Awards: Iranian Architects in the Shifting Geography of Architecture Acknowledgement." *Association of American Geographers*, Los Angeles, CA.
- 2012 Roudbari, Shawhin, "Revolution's Architecture: Transformations in Design Education and Practice in Iran, 1979-2009," *Near and Middle Eastern Civilizations Graduate Symposium*, Toronto.
- 2012 Roudbari, Shawhin, "Resistance by Design: The Politics of Tehran's Architecture Magazines," *Design Principles and Practices*, Los Angeles, CA.

Teaching

- ENVD1004 **Introduction to Environmental Design**, Fall 2021-23, Spring 2022
Core lecture for incoming freshman (150-80 students)
- ARCH4100 **Dissent by Design**, Spring 2021
New senior architecture capstone studio
- ENVD1010 **Fundamentals of Architecture**, Fall 2020
Freshman-level core studio
- PLAN3102 **Strategies and Techniques in Planning Research**, Spring 2020, 2021, 2022
New upper division seminar, required for upper-division planning students
- ENVD1040 **Fundamentals of Sustainable Planning and Urban Design**, Spring 2020
Freshman-level core studio
- ENVD4361 **Dissent by Design**, Fall 2019
New upper-division, elective course connecting sociological studies of social problems with efforts of designers to shape equitable communities.
- ENVD1120 **Fundamentals of Architecture**, Fall 2019
Sophomore-level core studio
- ENVD4364 **Restoring the Dushanbe Teahouse: Practices and Theories of Design Restoration, Tradition, and Cultural Identity**, Fall 2018
New upper-division, elective course combining architectural history and theory with restoration technique, taught in collaboration with Mirmaruf Mirakhmatov and support of CEDaR and City partners.
- ENVD4/5361 **Ethics of Social Change in Environmental Design**, Fall 2016, 17
New upper-division undergraduate and graduate cross-listed seminar in social change in design disciplines of art, architecture, engineering, landscape architecture, and city and regional planning
- ARCH4010 **Architecture Appreciation and Design**, Fall 2016, 17, 18
Senior-level architecture design studio for Architectural Engineering capstone students
- ENVD3122 **Research Issues and Methods in Design and Planning**, Fall 2014, 15, 16, 17
150-student, Junior-level lecture on methods in city and regional planning research

ENVD1102	Introduction to Design and Communication II , Spring 2018, Fall 2018 Freshman-level introduction studio on fundamentals of design and design communication
ENVD1052	Introduction to Design and Communication I , Spring 2016, 17, Fall 2016, 17, 18 Freshman-level introduction studio on fundamentals of design and design communication
ENVD1000	Introduction to Design Appreciation , Summer 2015, 16, 17 University of Colorado Pre-Collegiate Development Program elective for first-generation and low-income college bound high school juniors
SSIR1010	Social Entrepreneurship and Sustainability , Fall 2013, 14 Freshman course taught in interdisciplinary program in Sustainability and Social Innovation