

Curriculum Vitae

Bjoern Hagen, Ph.D.
School of Sustainability, Arizona State University
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Educational Background

- 2013 **Ph.D. in Environmental Design and Planning**
Arizona State University
Dissertation: Public Perceptions of Climate Change: Risk, Trust, and Policy
- 2007 **Dipl.- Ing. in Spatial and Environmental Planning (equivalent to Masters degree of Urban and Environmental Planning)**
University of Kaiserslautern, Germany
Majors: Urban & Regional Planning, Infrastructure Planning, and Environmental Planning
Minors: Environmental Modeling & Visualization, Social & Economic Planning
Thesis: Sustainable Planning and Public Transportation in the Phoenix Metropolitan Area

Positions

- 10/2022 - present **Assistant Teaching Professor**
School of Sustainability, Arizona State University
- 8/2019 - 10/2022 **Lecturer**
School of Sustainability, Arizona State University
- 8/2016 - 7/2019 **Instructor**
School of Sustainability, Arizona State University
- 8/2013 - 7/2018 **Assistant Research Professor**
School of Geographical Sciences & Urban Planning, Arizona State University
- 8/2012 - 7/2013 **Graduate Teaching Associate**
School of Geographical Sciences & Urban Planning, Arizona State University
- 8/2011 - 5/2012 **Graduate Student Research Assistant**
North American Center for Transborder Studies, Arizona State University
- 8/2008 - 6/2011 **Graduate Teaching Assistant**
Herberger Institute for Design and the Arts, Arizona State University
Teaching Assistantships for:
- PUP 190/ SOS 111 - Sustainable Cities
- INT 131/394 - Design and Human Behavior
- DSC 101 - Design Awareness
- INT 111 - Interior Design Issues and Theories
- INT 415 - Latin American Design
- 1/2003 - 11/2007 **Student Research Assistant, Institute for Computer Graphics and Visualization**
University of Kaiserslautern, Germany

3D Studio Max software tutorials for planning & computer science students, teaching different visualization techniques for planning students,

7/2000 - 12/2002

Student Research Assistant, Development Agency of the State Rhineland-Palatinate, Germany

Joint-Venture between Kaiserslautern University and the State of Rhineland-Palatinate, Germany

community outreach, regional planning, Brownfield redevelopment, conservation planning

Affiliations at Arizona State University

9/2023 - present

Member Community Capital Lab

8/2019 - present

Member 'The SHaDE Lab – Sensable Heatscapes and Digital Environments'

8/2017 - present

Member 'Urban Climate Research Center'

3/2015 - present

Senior Global Futures Scientist, Julie Ann Wrigley Futures Laboratory

10/2014 - present

Barrett Honors Faculty

Visiting Positions

5/2016

Guest Professor, Beijing Normal University, China

Research Interests

- Environmental Risk Perception and Communication
- Mitigation and Adaptation Policies and Strategies for Global Climate Change
- Sustainable Urbanism & Urban Resiliency Planning
- Climate Change Governance
- Social Dimensions of Sustainable Neighborhood Design

Awards

- Professor of Impact Awards:
 - SOS 111 - Summer 2023
 - SOS 111 - Spring 2023
- School of Sustainability Academic Inclusion and Success Award 2022

Publications

Journal Articles

- Jonathan Davis, **Bjoern Hagen**, Yousuf Mahid, David Pijawka. (2023). Evaluating Property Value Impact from Water-Related 'Green Infrastructure': A Hedonic Modeling Approach. *Journal of Green Building*, 18(1): 3-16. <https://doi.org/10.3992/jgb.18.1.3>
- Bjoern Hagen**, Adenike Opejin, David Pijawka. (2022). Risk Perceptions and Amplification Effects over Time: Evaluating Fukushima Longitudinal Surveys. *Sustainability*, 14(13). <https://doi.org/10.3390/su14137896>
- Ariane Middel, Saud Alkhaled, Florian Schneider, **Bjoern Hagen**, Paul Coseo. (2021). 50 Grades of Shade. *Bulletin of the American Meteorological Society*. DOI: <https://doi.org/10.1175/BAMS-D-20-0193.1>
- Craig Talmage, David Pijawka, **Bjoern Hagen**. (2019). Re-Examination of Quality of Life Indicators in US-Mexico Border Cities: a Critical Review. *International Journal of Community Well-Being*, 2: 135-154. DOI: 10.1007/s42413-019-00029-7
- Craig Talmage, **Bjoern Hagen**, David Pijawka, Cara Nassar. (2018). Measuring Neighborhood Quality of Life: Placed-Based Sustainability Indicators in Freiburg, Germany. *Urban Science*, 2(4): 106-122. DOI:10.3390/urbansci2040106
- Bjoern Hagen**, Cara Nassar, David Pijawka. (2017). The Social Dimension of Sustainable Neighborhood Design: A case study of two Neighborhoods in Freiburg, Germany. *Urban Planning*, 2(4): 64-80. DOI: 10.17645/up.v2i4.1035
- Bjoern Hagen**, David Pijawka, Mihir Prakash. Shreyas Sharma. (2017). Longitudinal Analysis of Economic Benefits of Ecosystem Services: Wastewater Treatment Projects in a Desert City. *Ecosystem Services: Science Policy and Practice*, 23: 209-217. DOI:10.1016/j.ecoser.2016.12.014
- Ariane Middel, Nancy Selover, **Bjoern Hagen**, Nalini Chhetri. (2016). Impact of shade on outdoor thermal—A seasonal field study in Tempe, Arizona. *International Journal of Biometeorology*, 60(12): 1849-1861. DOI: 10.1007/s00484-016-1172-5
- Bjoern Hagen**, Ariane Middel, David Pijawka. (2016). Global Climate Change Risk and Mitigation Perceptions: A comparison of nine countries. *Journal of Sustainable Development*, 9(5): 214-228. DOI:10.5539/jsd.v9n5px
- Bjoern Hagen**. (2016). The role of planning in minimizing the negative impacts of global climate change. *Urban Planning*, 1(3): 13-24. DOI: 10.17645/up.v1i3.671
- Bjoern Hagen**, David Pijawka, Ariane Middel (2016). European Climate Change Perceptions: Public support for mitigation and adaptation policies. *Environmental Policy and Governance*, 26(3): 170-183. DOI: 10.1002/eet.1701
- Bjoern Hagen**, David Pijawka. (2015). Public Perception and Support of Renewable Energy in North America in the Context of Global Climate Change. *Journal of Disaster Risk Science*, 6(4): 385-398. DOI: 10.1007/s13753-015-0068-z
- Ariane Middel, Anthony J. Brazel, **Bjoern Hagen**, Soe W. Myint. (2011). Land cover modification scenarios and their effects on daytime heating in the inner core residential neighborhoods of Phoenix, AZ, USA, *Journal of Urban Technology*, 18(4): 61-79. DOI:10.1080/10630732.2011.648434

Authored Books

Bjoern Hagen. 2015. *Public Perception of Climate Change: Policy and Communication*. New York: Routledge.

Refereed Book Chapters

Bjoern Hagen. (2020). Understanding Climate Risk: Mitigation, Adaptation, and Resiliency. In B. Hagen and D. Pijawka (Eds.), *Sustainability in the 21st Century: Pathways, Programs, and Policies (3rd edition)*. Dubuque, IA: Kendall Hunt Publishing Company

Bjoern Hagen. (2020). Social Dimensions of Sustainable Neighborhood Development. In B. Hagen and D. Pijawka (Eds.), *Sustainability in the 21st Century: Pathways, Programs, and Policies (3rd edition)*. Dubuque, IA: Kendall Hunt Publishing Company

Bjoern Hagen, Ariane Middel. (2020). What Should Sustainable Cities Look Like? Programs, Policies, and Initiatives. In B. Hagen and D. Pijawka (Eds.), *Sustainability in the 21st Century: Pathways, Programs, and Policies (3rd edition)*. Dubuque, IA: Kendall Hunt Publishing Company

David Pijawka, **Bjoern Hagen.** (2020). Pathways to a Sustainable Future: A Look Inside. In B. Hagen and D. Pijawka (Eds.), *Sustainability in the 21st Century: Pathways, Programs, and Policies (3rd edition)*. Dubuque, IA: Kendall Hunt Publishing Company

Bjoern Hagen. (2017). Understanding Climate Risk: Mitigation, Adaptation, and Resiliency. In B. Hagen and D. Pijawka (Eds.), *Sustainability in the 21st Century: Pathways, Programs, and Policies (2nd edition)*. Dubuque, IA: Kendall Hunt Publishing Company

Bjoern Hagen, Ariane Middel. (2017). What Should Sustainable Cities Look Like? Programs, Policies, and Initiatives. In B. Hagen and D. Pijawka (Eds.), *Sustainability in the 21st Century: Pathways, Programs, and Policies (2nd edition)*. Dubuque, IA: Kendall Hunt Publishing Company

David Pijawka, **Bjoern Hagen.** (2017). Pathways to a Sustainable Future: A Look Inside. In B. Hagen and D. Pijawka (Eds.), *Sustainability in the 21st Century: Pathways, Programs, and Policies (2nd edition)*. Dubuque, IA: Kendall Hunt Publishing Company

Bjoern Hagen. 2015. Global Climate Change: A key sustainability issue of the 21st century. In D. Pijawka (Eds.), *Sustainability in the 21st Century: Pathways, Programs, and Policies*. Dubuque, IA: Kendall Hunt Publishing Company.

Bjoern Hagen, Ariane Middel. 2015. What Should Sustainable Cities Look Like? Programs, Policies, and Initiatives. In D. Pijawka (Eds.), *Sustainability in the 21st Century: Pathways, Programs, and Policies*. Dubuque, IA: Kendall Hunt Publishing Company.

Bjoern Hagen. 2012. From Global to Local Sustainability: coping with global climate change. In D. Pijawka and M. Gromulat (Eds.), *Understanding Urban Sustainability: Concepts, Cases, and Applications* (pp. 145-165). Dubuque, IA: Kendall Hunt Publishing Company.

Bjoern Hagen. 2012. Sustainable Cities: Case Study Freiburg. In D. Pijawka and M. Gromulat (Eds.), *Understanding Urban Sustainability: Concepts, Cases, and Applications* (pp.15-20). Dubuque, IA: Kendall Hunt Publishing Company.

Edited Books and Journals

Bjoern Hagen, David Pijawka (Eds.). (2020). *Sustainability in the 21st Century: Pathways, Programs, and Policies (3rd edition)*. Dubuque, IA: Kendall Hunt Publishing Company.

Stephen Wheeler, Christina Rosen, **Bjoern Hagen (Eds.).** (2017). Social Ecology of Sustainability. *Urban Planning*, 2(4).

Bjoern Hagen, David Pijawka (Eds.). (2017). *Sustainability in the 21st Century: Pathways, Programs, and Policies (2nd edition)*. Dubuque, IA: Kendall Hunt Publishing Company.

Refereed Conference Proceedings

Ariane Middel, **Bjoern Hagen**, Anthony J. Brazel, Soe Myint, Simulation of possible scenarios for local scale energy balances in residential neighborhoods in Phoenix, AZ, USA. *8th International Symposium (UPE 8) of the International Urban Planning and Environment Association*, March 23-26, Kaiserslautern, Germany, 2009.

Ariane Middel, Peter-Scott Olech, **Bjoern Hagen**, Re-tooling urban planners - Google Earth as a planning support tool. *11th International Conference on Computers in Urban Planning and Urban Management (CUPUM 2009)*, Hong Kong, 2009.

Research Reports

Mark Roseland, **Bjoern Hagen**, Richard Rushforth, Prerna Rodney, Bill Campbell. "Desert Mountain Club – Sustainability Plan". Rob and Melani Walton Sustainability Solutions Service. Arizona State University. 2023.

Bjoern Hagen, David Pijawka, Rick Van Schoik "North American Perceptions, Attitudes, and Beliefs on Global Climate Change: Survey Research on the United States, Mexico, and Canada". North American Center for Transborder Studies. Arizona State University. 2012.

Rick Van Schoik, **Bjoern Hagen**, David Pijawka. "Survey of Public Perceptions of Renewable Energy's Role in Addressing Global Climate Change". Appendix 7. 10 Pages. In *Cooperation on Transborder Renewable Energy Development and Exchange*. North American Center for Transborder Studies. Arizona State University. 2011.

Conference Presentations/Posters

Florian A. Schneider, Ariane Middel, Saud AlKhaled, **Bjoern Hagen**, Paul Coseo, EGU General Assembly 2019, Vienna, Austria, April 7–12, 2019.

"50 Grades of Shade: Assessment of engineered and natural shade in hot dry communities"

Bjoern Hagen, Ariane Middel, Sahud Al Khaled, Paul Coseo. 10th International Conference on Urban Climate (ICUC10). August 2018. City College of New York,

"50 Grades of Shade: Assessment of engineered and natural shade in hot dry communities"

Bjoern Hagen, Craig Talmage, David Pijawka. World Community Development Conference (WCDC2018). June 2018. Maynooth University, Kildare, Ireland

"The Social Dimension of Sustainable Neighborhood Design: Comparing two Neighborhoods in Freiburg, Germany"

Bjoern Hagen. BIT's 6th Low Carbon Earth Summit (LCES-2016). November 2016. Qingdao, China

"The Impact of Public Perceptions of Climate Change on mitigation policy preferences with implications for renewable energy"

Ariane Middel, Nancy J. Selover, **Bjoern Hagen**, Nalini Chhetri. European Geosciences Union General Assembly (EGU) 2016. April 2016. Vienna, Austria.

"Impact of Photovoltaic Canopy Shade on Outdoor Thermal Comfort in a Hot Desert City".

Zoe Cayetano, Ryan Taylor, Christian Monahan, Elijah Campbell, Kelsey O'Brien, Rebecca Lydford, Amy Dicker, Ariane Middel, **Bjoern Hagen**. 18th Annual CAP LTER Poster Symposium. January 2016. Tempe, Arizona.

"The Influence of Vegetation and Built Environments on Midday Summer Thermal Comfort".

Chad Frederick, David Pijawka, **Bjoern Hagen**. AASHE 2015 Conference & Expo. (Refereed). October 2015. Minneapolis, Minnesota.

"Sustainability doesn't mean everything to everybody. A foundational vocabulary for courses in urban sustainability".

Ariane Middel, Nancy Joan Selover, Nalini Chhetri, **Bjoern Hagen**. International Conference on Urban Climate (ICUC9). (Refereed). July 2015. Toulouse France.

"Outdoor thermal comfort under photovoltaic canopies- a seasonal field study at Arizona State University"

Bjoern Hagen, David Pijawka. 52nd International Making Cities Livable Conference on Achieving Green, Healthy Cities. (Refereed). June 2015. Bristol, United Kingdom.

"The Social Dimension of Sustainable Neighborhood Design: A case study of two communities in Freiburg, Germany".

Bjoern Hagen, Ariane Middel, David Pijawka. Association of American Geographers (AAG) Annual Meeting. April 2015. Chicago, Illinois.

"The longitudinal impact of climate related hydro-meteorological disasters on public perception of climate change in the United States".

Ariane Middel, Nancy Joan Selover, Nalini Chhetri, **Bjoern Hagen**, Benjamin Mackowski, Chhatrapalsinh Jaydevsinh Sisodiya. 17th Annual CAP LTER Poster Symposium. January 2015. Tempe, Arizona.

"Microclimate effects of photovoltaic canopies: ongoing research projects".

Ariane Middel, Nancy Selover, Nalini Chhetri, **Bjoern Hagen**. Sixth Conference on Environment and Health, AMS conference. (Refereed). January 2015. Phoenix, Arizona.

"Outdoor Thermal Comfort under Photovoltaic Canopy Structures – A Field Study at Arizona State University".

Bjoern Hagen, Ariane Middel, David Pijawka. Association of American Geographers (AAG) Annual Meeting. April 2014. Tampa, Florida.

"The Impact of Climate Related Hydro-meteorological Disasters on Public Perceptions of Climate Change in the United States".

Bjoern Hagen, Ariane Middel, David Pijawka. Association of European Schools of Planning (AESOP) – Association of Collegiate Schools of Planning (ACSP) Joint Congress: Planning for Resilient Cities and Regions. (Referred). July 2013. Dublin, Ireland.

"The importance of public climate change perceptions for the successful implementation of mitigation and adaptation planning strategies to improve resiliency".

Bjoern Hagen, Francisco Lara-Valencia, Rick Van Schoik, Ariane Middel, David Pijawka. Consortium for North American Higher Education Collaboration (CONAHEC) Conference: Towards a Sustainable Future - The Role of International Education. (Refereed). May 2013. Edmonton, Canada.

"Bi and Multi- National Partnership Models for Sustainability Education: What works?".

Bjoern Hagen, David Pijawka. From the Outside In: Sustainable Futures for Global Cities and Suburbs. (Refereed). March 2013. Hempstead, New York.

"Where is the public on global climate change threats and resiliency policies?"

Bjoern Hagen, David Pijawka, Martin Gromulat, Khanin Hutauwatr. Adaptation Futures: 2012 International Conference on Climate Adaptation. (Refereed). May 2012. Tucson, Arizona.

"Using public perception to inform policy making to increase resiliency to climate change".

Jose Molinelli, David Pijawka, Martin Gromulat, **Bjoern Hagen**. Globalization, Climate Change and Rural Resilience: The Challenges of Sustainable Development in the Caribbean and Beyond. (Refereed). May 2012, Kingston, Jamaica.

"Building Resilience to Vulnerability in Small Island States".

Research Funding

Funded Proposals

- **Navajo Nation Community Planning (Co-PI)**
Funded by: Navajo Nation
\$79,973. June 2015
- **Follow-up Survey in the United States March 2015 (PI)**
Funded by: Foundation for Innovation (Stiftung für Innovation) Rhineland-Palatinate, Germany.
\$10,000. March 2015.
- **Continuation of the nine-country survey on climate change perceptions (PI)**
Funded by: Foundation for Innovation (Stiftung für Innovation) Rhineland-Palatinate, Germany.
\$30,000. October 2013.
- **Funding for Assistant Research Professor Position (annually 2013 - 2016)**
Lightworks, Arizona State University. \$16,000
School of Geographical Sciences & Urban Planning, Arizona State University. \$9,000
Fraunhofer Institute, University of Kaiserslautern, Germany. \$16,000
- **Public perceptions of global climate change in North America (PI)**
Funded by: The North American Center of Transborder Studies, Arizona State University,
\$15,000. February 2011.
- **Public perceptions of global climate change in eight countries (PI)**
Funded by: Foundation for Innovation (Stiftung für Innovation) Rhineland-Palatinate, Germany.
\$40,000. August 2010.

Submitted Proposals

- **ISSR Seed Grant**
Strengthening Sustainability Synergies (S3): Advancing Decision-Support for Community Alignment
Full Amount Requested: \$7866,25
Funding Source: Institute for Social Science Research - September 2023
- **NSF – Infrastructure Management and Extreme Events (IMEE) (PI)**
Advancing Institutional and Social Capacity to Improve Resilience of Communities to Cascading Extreme Environmental Events in the Western United States
Full Amount Requested: \$474,201
Funding Source: National Science Foundation - February 2016
- **NSF – Decision, Risk and Management Sciences (DRMS) EAGER Funding (PI)**
The Interrelationship between Climate change, Environmental Refugees, Institutional Capacities, and National Security in the US-Mexico Border Region
Full Amount Requested: \$40,000
Funding Source: National Science Foundation - August 2015
- **CLAS NS-SS-GRS Seed Funding (PI)**
Public Risk Perceptions Related to Climate Change: Policy, Implications and Explaining Change
Full Amount Requested: \$13,020
Funding Source: College of Liberal Arts and Sciences, Arizona State University. - December 2013

Presentations

Invited Speaker

Mirabella Lifelong Learning Lecture Series, Mirabella at ASU. March 2023

"Global Sustainability Challenges and Cities"

Panelist, Green Week 2022, Undergraduate Student Government, Arizona State University. November 2022.

"Panel of Sustainability Experts"

Sustainability Series. Global Institute of Sustainability, Arizona State University. April 2014

"Public Perceptions of Climate Change: Risk, Trust, and Policy"

Guest Lectures

TGM 586 – Global Entrepreneurship and Sustainable Business, Arizona State University, September 2022.

"Eco-City Freiburg: Germany's Green Capital"

RED 8170 – Sustainable Mixed-Use Development, Clemson University, September 2022.

"Eco-City Freiburg: Germany's Green Capital"

TGM 586 – Global Entrepreneurship and Sustainable Business, Arizona State University, November 2021.

"Eco-City Freiburg: Germany's Green Capital"

RED 8170 – Sustainable Mixed-Use Development, Clemson University, September 2021.

"Eco-City Freiburg: Germany's Green Capital"

SOS 111 - Sustainable Cities, Arizona State University, February 2020.

"Global Climate Change: impacts, mitigation, and adaptation"

PUP 541 – Environmental Planning, Arizona State University, January 2019.

"Urban Resiliency Planning in the Era of Climate Change"

PUP 442 – Environmental Planning, Arizona State University, September 2018.

"Urban Resiliency Planning in the Era of Climate Change"

PUP 541 – Environmental Planning, Arizona State University, January 2018.

"Urban Resiliency Planning in the Era of Climate Change"

PUP 442 – Environmental Planning, Arizona State University, August 2017.

"Urban Resiliency Planning in the Era of Climate Change"

GCU 171 – The thread of Energy, Arizona State University, September 2016.

"Eco-City Freiburg: Germany's Green Capital"

PUP 442 – Environmental Planning, Arizona State University, September 2016.

"Climate Change Science, Perceptions, and Design"

PUP 442 – Environmental Planning, Arizona State University, September 2015.

"Climate Change Science, Perceptions, and Design"

PUP 498/ GPH 591 – Climatology and Planning, Arizona State University, September 2015.

"Cities and Climate Change: Planning for Mitigation and Adaptation"

ALA 102 – Landscapes and Sustainability. Arizona State University, March 2015.
"Climate Change and Sustainable Cities"

ALA 102 – Landscapes and Sustainability, Arizona State University, October 2014.
"Climate Change and Sustainable Cities"

PUP 591 – Cooler Cities Seminar, Arizona State University, January 2014.
"Global Climate Change: impacts, mitigation, and adaptation"

GCU 364 – Energy in the Global Arena. Arizona State University, January 2014.
"Eco-City Freiburg: Germany's Green Capital"

GCU 171 – The thread of Energy, Arizona State University, October 2013.
"Eco-City Freiburg: Germany's Green Capital"

PUP 190/ SOS 111 - Sustainable Cities, Arizona State University, October 2013.
"Global Climate Change: impacts, mitigation, and adaptation"

PUP 190/ SOS 111 - Sustainable Cities. Arizona State University, September 2013.
"Eco-City Freiburg: Germany's Green Capital"

PUP 190/ SOS 111 - Sustainable Cities, Arizona State University, February 2013.
"Global Climate Change: impacts, mitigation, and adaptation"

PUP 190/ SOS 111 - Sustainable Cities, Arizona State University, February 2013.
"Eco-City Freiburg: Germany's Green Capital"

PUP 190/SOS 111 - Sustainable Cities, Arizona State University, November 2012.
"Global Climate Change: impacts, mitigation, and adaptation"

PUP 190/ SOS 111 - Sustainable Cities, Arizona State University, February 2012.
"Eco-City Freiburg: Germany's Green Capital"

PUP 548 - Planning for Urban Environmental Sustainability, Arizona State University. January 2012.
"Global Climate Change: impacts, mitigation, and adaptation"

SOS 323 - Sustainable Urban Dynamics, Arizona State University, April 2011.
"Eco-City Freiburg: Germany's Green Capital"

PUP 548 - Planning for Urban Environmental Sustainability, Arizona State University. March 2011.
"Global Climate Change: impacts, mitigation, and adaptation"

PUP 442 - Environmental Planning, Arizona State University, November 2010.
"Global Climate Change: impacts, mitigation, and adaptation"

INT 131/394 - Design and Human Behavior, Arizona State University, March 2010.
"Elements of the City"

Teaching

Arizona State University

Spring 2024

SOS 111/PUP 190 – Sustainable Cities

Session C: In-Person, Tempe Campus (117 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 323 – Urban Dynamics

Session B: ICourse & ASU Online (TBD students)

Session C: In-Person, Tempe Campus (37 students)

School of Sustainability

Fall 2023

SOS 111/PUP 190 – Sustainable Cities

Session B: ICourse & ASU Online (255 students)

Session C: In-Person, Tempe Campus (339 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 111 – Sustainable Cities

Session C: In-Person, Polytechnic Campus (24 students)

School of Sustainability

SOS 323 – Urban Dynamics

Session B: ICourse & ASU Online (47 students)

School of Sustainability

Summer 2023

SOS 110 – Sustainable Worlds

Session A: ICourse & ASU Online (27 students)

School of Sustainability

SOS 111/PUP 190 – Sustainable Cities

Session B: ICourse & ASU Online (105 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

Spring 2023

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (251 students)

Session B: ICourse & ASU Online (251 students)

Session C: In-Person, Tempe Campus (163 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 484/SFS 484 – Topic: Capstone Internship

Session C: ICourse & ASU Online (26 students)

School of Sustainability & Sustainable Food Systems

SOS 484/584 – Topic: Elective Internship

Session C: ICourse & ASU Online (3 students)

School of Sustainability & Sustainable Food Systems

Fall 2022

SOS 111/PUP 190 – Sustainable Cities

Session B: ICourse & ASU Online (145 students)

Session C: In-Person, Tempe Campus (316 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 111 – Sustainable Cities

Session C: In-Person, Polytechnic Campus (60 students)

School of Sustainability

SOS 323 – Urban Dynamics

Session B: ICourse & ASU Online (38 students)

School of Sustainability

Summer 2022

SOS 110 – Sustainable Worlds

Session A: ICourse & ASU Online (33 students)

School of Sustainability

SOS 111/PUP 190 – Sustainable Cities
Session B: ICourse & ASU Online (80 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

Spring 2022

SOS 111/PUP 190 – Sustainable Cities
Session A: ICourse & ASU Online (189 students)
Session B: ICourse & ASU Online (251 students)
Session B: ICourse & ASU Online (63 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 323 – Urban Dynamics
Session B: ICourse & ASU Online (35 students)
School of Sustainability

Fall 2021

SOS 111/PUP 190 – Sustainable Cities
Session A: ICourse & ASU Online (217 students)
Session B: ICourse & ASU Online (144 students)
Session C: In-Person, Tempe Campus (287 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 232 – Professional Skills in Sustainability
Session C: In-Person, Tempe Campus (30 students)
School of Sustainability

Summer 2021

SOS 110 – Sustainable Worlds
Session A: ICourse & ASU Online (48 students)
School of Sustainability

SOS 111/PUP 190 – Sustainable Cities
Session B: ICourse & ASU Online (78 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

Spring 2021

SOS 111/PUP 190 – Sustainable Cities
Session A: ICourse & ASU Online (201 students)
Session B: ICourse & ASU Online (178 students)
Session B: ICourse & ASU Online (41 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 323 – Urban Dynamics
Session B: ICourse & ASU Online (26 students)
School of Sustainability

Fall 2020

SOS 111/PUP 190 – Sustainable Cities
Session A: ICourse & ASU Online (256 students)
Session C: In-Person, Tempe Campus (273 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 111 – Sustainable Cities
Session B: ICourse & ASU Online (102 students)
Session C: In-Person, Polytechnic Campus (136 students)
School of Sustainability

Summer 2020

SOS 111 – Sustainable Cities

Session A: ICourse & ASU Online (76 students)

School of Sustainability

SOS 111/PUP 190 – Sustainable Cities

Session B: ICourse & ASU Online (119 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

Spring 2020

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (276 students)

Session B: ICourse & ASU Online (268 students)

Session C: In-Person, Tempe Campus (181 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 111 – Sustainable Cities

Session B: ICourse & ASU Online (97 students)

School of Sustainability

Fall 2019

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (281 students)

Session B: ICourse & ASU Online (270 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 111 – Sustainable Cities

Session B: ICourse & ASU Online (140 students)

Session C: In-Person, Polytechnic Campus (114 students)

School of Sustainability

Summer 2019

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (84 students)

Session B: ICourse & ASU Online (108 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

Spring 2019

SOS 111 – Sustainable Cities

Session C: In-Person, Polytechnic Campus (36 students)

School of Sustainability

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (290 students)

Session B: ICourse & ASU Online (147 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

Fall 2018

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (281 students)

Session B: ICourse & ASU Online (258 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

SOS 111 – Sustainable Cities

Session B: ICourse & ASU Online (125 students)

Session C: In-Person, Polytechnic Campus (55 students)

School of Sustainability

Summer 2018

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (76 students)

Session B: ICourse & ASU Online (127 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

Spring 2018

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (290 students)

Session B: ICourse & ASU Online (147 students)

Session C: In-Person, Tempe Campus (120 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

Fall 2017

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (261 students)

Session B: ICourse & ASU Online (267 students)

Session C: In-Person, Tempe Campus (369 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

PUP 294 – Planning and Climate Change

Session C: In-Person, Tempe Campus (7 Students)

School of Geographical Sciences and Urban Planning, Tempe Campus

Summer 2017

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (71 students)

Session B: ICourse & ASU Online (118 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

Spring 2017

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (229 students)

Session B: ICourse & ASU Online (281 students)

Session C: In-Person, Tempe Campus (142 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

Fall 2016

SOS 111/PUP 190 – Sustainable Cities

Session A: ICourse & ASU Online (407 students)

Session B: ICourse & ASU Online (262 students)

Session C: In-Person, Tempe Campus (251 students)

School of Sustainability & School of Geographical Sciences and Urban Planning

PUP 294 – Planning and Climate Change

Session C: ICourse (12 Students)

School of Geographical Sciences and Urban Planning

Summer 2016

SOS 111/PUP 190 – Sustainable Cities

Session A, ICourse & ASU Online (42 students)

School of Geographical Sciences and Urban Planning & School of Sustainability

SOS 111/PUP 190 – Sustainable Cities
Session B, ICourse & ASU Online (48 students)
School of Geographical Sciences and Urban Planning & School of Sustainability

Spring 2016

SOS 111/PUP 190 – Sustainable Cities
Session A: ICourse & ASU Online (245 students)
Session B: ICourse & ASU Online (252 students)
Session C: In-Person, Tempe Campus (209 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

Fall 2015

SOS 111/PUP 190 – Sustainable Cities
Session A: ICourse & ASU Online (371 students)
Session B: ICourse & ASU Online (165 students)
Session C: In-Person, Tempe Campus (436 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

PUP 294 – Planning and Climate Change
Session C: ICourse (23 Students)
School of Geographical Sciences and Urban Planning

Summer 2015

PUP 394 – Sustainability Planning on Film
Session A: ICourse (11 Students)
School of Geographical Sciences and Urban Planning

Spring 2015

SOS 111/PUP 190 – Sustainable Cities
Session A: ICourse & ASU Online (115 students)
Session C: In-Person, Tempe Campus (287 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

PUP 424 – Planning Methods
Session C: In-Person, Tempe Campus (50 students)
School of Geographical Sciences and Urban Planning

Fall 2014

SOS 111/PUP 190 – Sustainable Cities
Session A: ICourse & ASU Online (105 students)
Session C: In-Person, Tempe Campus (426 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

PUP 294 – Planning and Climate Change
Session C: ICourse (27 Students)
School of Geographical Sciences and Urban Planning

Summer 2014

PUP 394 – Sustainability Planning on Film
Session A: ICourse (18 Students)
School of Geographical Sciences and Urban Planning

Spring 2014

SOS 111/PUP 190 – Sustainable Cities

Session C: In-Person, Tempe Campus (280 students)
School of Sustainability & School of Geographical Sciences and Urban Planning

Fall 2013

PUP 294 – Planning and Climate Change
Session C: ICourse (24 students)
School of Geographical Sciences and Urban Planning

Summer 2013

PUP 394 – Sustainability Planning on Film
Session A: ICourse (18 Students)
School of Geographical Sciences and Urban Planning

Fall 2012

PUP 571 – Socioeconomic and Demographic Analysis
Session C: In-Person (32 students)
School of Geographical Sciences and Urban Planning

Mentoring

2023 - ongoing	Kadison Willis, ASU, Student Worker (Faculty Mentor)
2023 - ongoing	Stormy Light, ASU, Honors Thesis (Committee Member)
2023 - ongoing	Shikhar Gupta, ASU, Student Worker (Faculty Mentor)
2023 - ongoing	ASU Student Club: Walkability and Transit Alliance (Faculty Advisor)
2022 - 2023	
2021	Maria Brown, ASU, Capstone Research (Faculty Mentor)
2021	Katherine Scotford, ASU, Capstone Research (Faculty Mentor)
2021	Ryan Maul, ASU, Capstone Research (Faculty Mentor)
2021	Aoi Minotto, ASU, Honors Thesis (Committee Member)
2020	Josiana Kott, ASU, Capstone Research (Faculty Mentor)
2020	Allison Gerber, ASU, Capstone Research (Faculty Mentor)
2020	Vanessa Villalobos, ASU, Honors Thesis (Committee Member)
2019 - 2020	Adam Randolph, ASU, Honors Thesis (Committee Chair)
2019 - 2020	Alejandro Graterol, ASU, Honors Thesis (Committee Chair)
2019	Jeny Davis, ASU, Capstone Research (Faculty Mentor)
2019	Samantha Samples, ASU, Ph.D. (Committee Member)
2018 - 2019	Careen Lewis, ASU, Capstone Research (Faculty Mentor)
2017 - 2018	Mackenzie McGuffie, ASU, Master's Student (Faculty Mentor)
2017 - 2018	Cara Nassar, ASU, Master's student (Faculty Mentor)
2016 - 2018	John Field, ASU, Honors Thesis (Committee chair)

Professional Memberships

2015 - present	Member of IAUC (International Association of Urban Climate)
2014 – present	Member of Climate Voices – A Science Speakers Network
2008 - present	Member of APA (American Planning Association)
2016 - 2019	Member of ACSP (Association of Collegiate Schools of Planning)

Editorial Activities

2017 - 2020	Member of Editorial Board <i>Urban Planning</i>
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Peer-Reviewer

- AIMS Environmental Science
- AIMS Geosciences
- Asian Journal of Environment & Ecology
- Cross-Cultural Research
- PLOS ONE
- Climate Policy
- Urban Planning
- Open Urban Studies and Demography Journal
- International Journal of Environment and Sustainable Development
- Geographical Review
- Journal of Urbanism

Grant-Reviewer

Swiss National Science Foundation (SNSF)

- Swiss Programme for International Research by Scientific Investigation Teams (SPIRIT) (2021)

National Oceanic and Atmospheric Administration (NOAA)

- Environmental Literacy Grants: Supporting the education of K-12 students and the public for community resilience (2017)

Service/Outreach

University Service

2022 - present	Member, University Undergraduate Standards Committee
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Unit Service

2022 - present	Course Custodian for SOS 232 - Urban Dynamics
2022 - present	Course Custodian for SOS 111 - Sustainable Cities
2019 - present	Member, SOS Undergraduate Committee
2021 - 2022	Member, Task Force on Non-Tenure Track Faculty
2019 - 2022	Course lead for SOS 111 - Sustainable Cities

- 2018 - 2019 Member, SOS @ local high school program, School of Sustainability, Arizona State University
- 2016 - 2018 Member, Review Committee for Fixed-Term Faculty, School of Geographical Sciences and Urban Planning, Arizona State University
- 2014 - 2016 Member, Bachelor of Science in Planning (BSP) Undergraduate Committee, School of Geographical Sciences and Urban Planning, Arizona State University

Outreach

- 2023 - present Advisor – Smithsonian Science Education Center
New education module and report on climate resiliency