

Deidra D. Davis, PhD.

Texas A&M University

Instructional Assistant Professor, Department of Landscape Architecture & Urban Planning

Campus Address:

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EDUCATION

Ph.D. - Environmental Resources and Policy Program, May 2017

Southern Illinois University, Carbondale, Illinois

Advisor: Dr. Leslie A. Duram

Dissertation Title: *Investigating Public Participation in the Environmental Decision Making*

Process: A Case Study of Northeast Carbondale, Illinois

Public participation, Brownfield sites, Environmental Justice, Land contamination

Mixed method methodology

Survey and interviews

SPSS and Nvivo utilization

M.S.- Geography and Environmental Resources, May 2012

Southern Illinois University, Carbondale, Illinois

Advisor: Dr. Leslie A. Duram

Department of Geography and Environmental Resources

Thesis Title: *Access to Fresh Foods: Socio-economic Characteristics of Illinois farmers' markets participating in Government Funded Food Assistance Programs*

Illinois Farmers Market and SNAP acceptance initiative

Case study of the 61st street Farmers market

Qualitative methodology

B.S. - Biology, May 2009

Chicago State University, Chicago, Illinois

Biology Science

Undergraduate research: *Salinity Stress in Plants: Light microscopy analysis of salt stress on 2 sweet potato cultivars within the first 24-48 hours of exposure 2007-2009*

Plant husbandry

Sweet potato cultivar analysis

Light microscopy utilization

RESEARCH AND TEACHING INTEREST

- Environmental Justice
- Land contamination
- Public Participation
- Environmental Decision Making
- Equitable Planning
- Community Engagement
- Environmental Land-Use
- Sustainable Communities

PROFESSIONAL APPOINTMENTS

Faculty Fellow

Center for Housing and Urban Development
Texas A&M University
3-year appointment

May 2020-present

Director of Equity and Inclusion

Hazard Recovery Resilience Center
Texas A&M University

October 2019- present

Faculty Appointment

Texas Target Communities
Texas A&M University

January 2019 - present

Instructional Assistant Professor

Department of Landscape Architecture and Urban Planning
Texas A&M University

January 2019 - present

Instructor

Department of Geography
Texas A&M University

August 2017-May 2018

Teaching Assistant

Department of Geography
Southern Illinois University

January 2011-May 2017

Research Assistant

Department of Zoology
Southern Illinois University

August 2009-Jan 2011

COURSES TAUGHT

CARC 311: Field Studies in Design Communications

Texas A&M University, Department of Landscape Architecture & Urban Planning

Level: Undergraduate

Design communication in international and domestic environments away from the Texas A&M University campus; emphasis on the tools, methods and techniques for design communication.

CARC 331: Field Studies in Design Philosophy

Texas A&M University, Department of Landscape Architecture & Urban Planning

Level: Undergraduate

Design philosophy in international and domestic environments away from the Texas A&M University campus; emphasis on the historical, philosophical, cultural, social and economic factors that influence design solutions.

URPN 360: Issues in Environmental Quality

Texas A&M University, Department of Landscape Architecture & Urban Planning

Level: Undergraduate

Issues in environmental quality; focus on stormwater and ecosystem qualities influenced by land development; design and planning principles and techniques (e.g. low impact development) for sustainable stormwater management in urban and suburban watersheds.

URPN 202: Building Better Cities

*Texas A&M University, Department of Landscape Architecture & Urban Planning
(Traditional & writing-intensive course)*

Level: Undergraduate

Determinants of land use patterns; classification of uses; idealized conceptual alternatives; location and size criteria; mapping; comprehensive planning process, relationship to circulation planning.

URPN 201: The Evolving City

Texas A&M University, Department of Landscape Architecture & Urban Planning

Level: Undergraduate

Introduction to the history of contemporary urban and regional planning and how the evolving forms of cities and regions pose opportunities and/or challenges for planners; understanding key social, economic, political and technological forces that shape city form and function and its ramification for urban and regional planning.

GEOG 430: Environmental Justice

*Texas A&M University, Department of Geography
(Upper-level writing-intensive course)*

Level: Undergraduate

Exploration into the spatial variability and human geography of exposure to environmental hazards in U.S. and international contexts; emphasizes environmental

equity and environmental racism as it relates to occupational, leisure, and residential geography.

GEOG 201: Human Geography

Texas A&M University, Department of Geography

Level: Undergraduate

Introduction to Human Geography. A survey of the major systems of man-land relations of the world and their dissimilar developments; the processes of innovation, diffusion, and adaptation stressed with regard to changing relationships between people and their environment.

GEOG 104: Weather, Climate and Society

Southern Illinois University, Department of Geography

Level: Undergraduate

A scientific introduction to the physical processes responsible for weather and climate and the application of fundamental scientific skills to address aspects of weather and climate that are of particular importance to society at large.

RESEARCH PROJECTS

Texas A&M Center for Environmental Health Research (TiCER pilot project) Nov.2020

Awarded: 50,000

Title: "Health Risks and Hazard Perception of Airborne Toxic Metals: Vulnerable Populations Neighboring the Houston Ship Channel"

Texas A&M University, College Station, Texas

Texas A&M School of Public Health

2020

Title: "Assessing creosote exposure and health outcomes within a confirmed cancer cluster in two Houston neighborhoods"

Texas A&M University, College Station, Texas

DeBakey Executive Research Leadership Program

Spring 2020

Team Leader (Undergraduate research)

Topic: Renewable Energy Placement in Environmental Justice Communities

Texas A&M University, College Station, Texas

UNIVERSITY PUBLICATION

SIUC's SHARING KNOWLEDGE, an Imagining Geographies publication

Title: Environmental Justice in Southern Illinois: New sides to the movement for Equality

https://mcma.siu.edu/_common/documents/ig-documents/Sharing_Knowledge.pdf

Southern Illinois University Carbondale

PRESENTATIONS/ GUEST LECTURES

Topic: Diversity and Public Policy Making Audience: CARC 101- Cultural Discourse <i>Texas A&M University, College Station, Texas</i>	Oct. 2020
Environmental Justice Workshop Audience: Highschool Educators <i>Furr Highschool, Houston, Texas</i>	Nov. 2019
Topic: Overview of Environmental Justice Audience: URPN 493 Planning Capstone <i>Texas A&M University, College Station, Texas</i>	March 2019
Topic: Contemporary Issues in Environmental Justice Audience: Geography 470 <i>Southern Illinois University, Carbondale, Illinois</i>	April 2017
Topic: Investigating Public Participation in the Environmental Decision Making on Northeast Carbondale Audience: Mass Communication and Media Arts Department <i>Southern Illinois University, Carbondale, Illinois</i>	Nov. 2016
Topic: The Environmental Justice Movement over Time Audience: SIUC's HUB Pop-up session on Environmental Justice <i>Southern Illinois University, Carbondale, Illinois</i>	Oct. 2016
Topic: Contemporary Issues in Environmental Studies Audience: Geography 470 <i>Southern Illinois University, Carbondale, Illinois</i>	Oct. 2016
Topic: Environmental Justice and Public Participation Audience: SIUC English Department; Eco- Criticism <i>Southern Illinois University, Carbondale, Illinois</i>	Sep. 2016
Topic: Environmental Justice and Brownfield sites Audience: Geography 470 <i>Southern Illinois University, Carbondale, Illinois</i>	March 2016
Topic: Contemporary Issues in Environmental Studies Audience: Geography 470 <i>Southern Illinois University, Carbondale, Illinois</i>	Oct. 2015

Topic: Contemporary Issues in Environmental Studies Audience: Geography 470 <i>Southern Illinois University, Carbondale, Illinois</i>	April 2015
Topic: Women's Civic Institute Audience: American Association of University Women <i>Southern Illinois University, Carbondale, Illinois</i>	Dec. 2014
Topic: Environmental Justice in Carbondale, <i>Illinois</i> Audience: Sierra CLUB Shawnee, IL. Chapter Carbondale, <i>Illinois</i>	Nov. 2014
Topic: The Former Koppers Wood-Treating Site in Carbondale Audience: SIUC Law School <i>Southern Illinois University, Carbondale, Illinois</i>	Oct .2014
Topic: Contemporary Issues in Environmental Studies Audience: Geography 470 <i>Southern Illinois University, Carbondale, Illinois</i>	Oct. 2014
Topic: Contemporary Issues in Environmental Studies Audience: Geography 470 <i>Southern Illinois University, Carbondale, Illinois</i>	April 2014

SERVICE ACTIVITIES/COMMITTEES

Graduate Diversity Excellence Fellowship Reviewer Office of Graduate and Professional Studies <i>Texas A&M University, College Station, Texas</i>	2020-2021
University-level Committee Department of Landscape Architecture & Urban Planning Honor Council <i>Texas A&M University, College Station, Texas</i>	Fall 2019 (2-year term)
Diversity Council College of Architecture <i>Texas A&M University, College Station, Texas</i>	2019- present
Center for Service Learning and Volunteerism Advisory Council Graduate Mentor <i>Southern Illinois University, Carbondale, Illinois</i>	2016- 2017
Women's Civic Institute Interview Panel Interview Panelist <i>Southern Illinois University, Carbondale, Illinois</i>	2014 & 2016

Environmental Resources & Policy Seminar Committee 2014-2015
Southern Illinois University, Carbondale, Illinois
Student led committee which nominates and selects local, regional, and world-wide speakers in academia and industry to present information about their research and/or relevant topic to ER&P students.

Imagining Geographies Advisory Board 2014-2015
Southern Illinois University, Carbondale, Illinois
Imagining Geographies is a multi-year, SIU College of Mass Communication and Media Arts-led, university and region-wide initiative, advancing discussion of public issues related to the quality of life for all living beings in our civic spaces.

Sustainability Commission, Carbondale, Illinois 2014-2015
Southern Illinois University, Carbondale, Illinois
Give collaborated advice to Carbondale's City Council regarding renewable energy sources, energy conservation, green transportation and other environmental issues.

CONFERENCES/ PRESENTATIONS

Center for Undergraduate Research and Creative Activities (CURCA) Apr. 2016
Graduate Student Forum Southern Illinois University Carbondale
Investigating Public Participation in the Environmental
Decision-Making Process in Northeast Carbondale, Illinois.
Carbondale, Illinois

105th American Society for Horticultural Science Annual Conference Jul. 2008
Effects of Salt Stress on Stem and Leaf Tissue in Sweet Potato
[Ipomoea Batatus L.]
Orlando, Florida

HONORS & PROFESSIONAL MEMBERSHIPS

International Geographical Honor Society, Member

Women's Civic Institute, Member (SIUC)

NSF *Honorable Mention* Graduate Research Fellowship Program

Tri-Beta Organization (Biological Studies)

NSF Louis Stokes Illinois Alliance for Minority Participation (LSAMP) Scholar

FELLOWSHIPS

DFI- Scholarship Diversifying Faculty in Illinois Higher Education Program	2009-2010
NSF (IL-LSAMP) Illinois Louis Stokes Illinois Alliance for Minority Participation	2007-2008

INTERNSHIPS/VOLUNTEER EXPERIENCE

Bryan Independent School District Trustee Bryan, Texas Elected: 3-year term	Nov.2020
Women's Civic Institute (SIU), mentor/leader Southern Illinois University	2015- 2017
Sustainability Commissioner Mayoral appointment City of Carbondale	2014-2015
Illinois Environmental Protection Agency Governor's Environmental Corps Carbondale, IL	2014
Shedd Aquarium Division: Water Quality Laboratory Chicago, IL	2009

CERTIFICATIONS

Class A & Class B UST Facility Operator	2018
Hazardous Material Emergency Response Technician	2018