

**SNRE 501-055: Poverty, Environment, and Inequality**  
**Fall 2013**

Professor:	<b>Dorceta E. Taylor</b>	SNRE office:	2576 Dana	763-5327
Email:	<a href="mailto:dorceta@umich.edu">dorceta@umich.edu</a>			
Lecture Times/Place:	Tuesday, Thursday	11:30-1:00 a.m.	2024 Dana	
Office Hours/Location:	Tuesday, Thursday	2:00-3:30 p.m.	2576 Dana	763-5327

**COURSE REQUIREMENTS**

Paper I	Distributed on September 19	DUE OCTOBER 10	20%
Paper II	Distributed on October 22	DUE DECEMBER 3	30%
Class Presentations			5%
Final Exam (take home)	Distributed on December 5	DUE DECEMBER 18	30%
Class Participation (attendance and participation in class activities)			15%

**READINGS:** Available at: **On the Course CTools Website**

**COURSE DESCRIPTION**

This course explores the relationship between poverty, environment and social inequality. It examines how race and class interact in American rural and urban environments to produce or sustain inequalities (the study of rural poverty includes a look at poverty on Indian reservations also). The course examines how structural factors and community characteristics influence environmental outcomes. Students will begin by examining the relationship between degraded environments and poor schooling. They will examine the environmental hazards that exist in urban and rural public schools; they will also assess how educational experiences influence aspirations and social outcomes. Students will analyze inner-city and poor rural communities as they examine disinvestment, the concentration of poverty, efforts to disperse the poor, and the potential for community revitalization. The class will examine how the rising cost of housing and shifts in housing policies have impacted urban communities. One result -- growing homelessness -- is examined in the course. The course also examines another aspect of poverty -- the issue of food security; it looks at the rise in community gardening in poor communities as an attempt to combat lack of access to healthy food. It also examines toxic food consumption.

Students will examine spatial inequalities that arise from the siting of hazardous facilities in minority and low-income urban and rural communities. The course examines the classic environmental justice question -- which came first the facilities or the people? It examines economic questions related to costs of hosting noxious facilities and if and how communities can seek compensation to host such facilities. The course also examines the quandary communities face when presented with economic models that seek to provide compensation -- the question of the long term health of the people and environment take center stage as community residents seek to determine how to balance economic development with concerns about sustainability. Students will also examine access to amenities such as parks, open space, and urban farming. The look at health hazards in public parks and inequities in the distribution and maintenance of these spaces as well as examine the challenges cities face in providing funding for parks. The final unit of the course examines two aspects of sustainability -- ecovillages and climate justice.

**UNIT I: STRUCTURAL INEQUALITY AND QUALITY OF LIFE**

**WEEK 1: Education, urban poverty and social inequality.**

**Sept. 3:** The relationship between educational and environmental inequalities in East St. Louis.

KOZOL, Jonathan (1992), "Life on the Mississippi." In *Savage Inequalities: Children in America's Schools*, New York: HarperCollins, chapter 1, pp. 20-39.

ROSEBORO, Donyell L., Michael P. O'MALLEY and John HUNT (2006), "Talking Cents: Public Discourse, State Oversight and Democratic Education in East St. Louis." *Educational Studies*, 40(1, August): 6-22.

**Sept 5:** The relationship between race and aspirations

KAO, Grace and Marta TIENDA (1998), "Educational Aspirations of Minority Youth." *American Journal of Education*, 106(3, May): 349-384.

MARBURGER, Darla (2006). *Hearing on the Status of Indian Education*, Senate Committee on Indian Affairs. February 26.

RIGGINS-NEWBY, Cheryl (2004), "Playing Math with the Big Boys." *Principal* 84 #2. Education and environment in East St. Louis

THOMPSON, LaTasha and Bradford LEWIS (2005), "Shooting for the Stars: A Case Study of the Mathematics Achievement and the College Attainment of an African American Male High School Student." *The High School Journal*, 8(4, (April/May).

**WEEK 2: Education, rural poverty and social inequality**

**Sept. 10:** Educational attainment and aspirations in Appalachia.

LICHTER, Daniel T. and Lori A. CAMPBELL (2005), *Changing Patterns of Poverty and Spatial Inequality in Appalachia*. Washington, D.C.: Appalachia Regional Commission.

HAAGA, John (2004), *Demographic and Socioeconomic Change in Appalachia: Educational Attainment in Appalachia*. Washington, D.C.: Population Reference Bureau.

**Sept. 12:** Education, social and exposure to agricultural industrial pollution in rural communities.

PARISI, Domenico, et. al. (2003), "TANF Participation Rates: Do Community Conditions Matter?" *Rural Sociology*, 68(4): 491-512.

WILSON, Sacoby, Frank HOWELL, Steve Wing, and Mark SOBSEY (2002), "Environmental Injustice and the Mississippi Hog Industry." *Environmental Health Perspectives*, 110 (April): 195-201.

MIRABELLI, Maria, et al. (2006). "Race, Poverty and Potential Exposure of Middle-School Students to Air Emissions from Confined Swine Feeding Operations." *Environmental Health Perspectives*, 114 (4, April): 591-596.

MALLIN, Michael A. and Lawrence B. CAHOON (2003). "Industrialized Animal Production — A Major Source of Nutrient and Microbial Pollution to Aquatic Ecosystems." *Population and Environment*, 24(5): 369-385.

**UNIT II: URBAN COMMUNITIES - DISINVESTMENT, DEINSTITUTIONALIZATION, CONCENTRATION OF POVERTY, AND RENEWAL**

**WEEK 3: The concentration of poverty and food insecurity**

**Sept. 17:** The underclass debate and the concentration of poverty.

JARGOWSKY, Paul and Rebecca YANG (2006), "The "Underclass" Revisited: A Social Problem in Decline." *Journal of Urban Affairs*, 28(1): 55-70.

IMBROSCIO, David L. (2004). "Fighting Poverty with Mobility: A Normative Policy Analysis." *Review of Policy Research*, 21(3, May): 447-461.

KEELS, Micere, et al. (2005). "Fifteen Years Later: Can Residential Mobility Programs Provide a Long-Term Escape From Neighborhood Segregation, Crime and Poverty?" *Demography*, 42(1): 51-73.

**Sept. 19:** Social capital, infrastructure, food deserts, and food oases.

HUTCHINSON, Judy (2004). "Social Capital and Community Building in the Inner City." *Journal of the American Planning Association*, 70(2): 168-175.

SMALL, Mario L. and Monica McDERMOTT (2006). "The Presence of Organizational Resources in Poor Urban Neighborhoods: An Analysis of Average and Contextual Effects." *Social Forces*, 84(3, March): 1697-1723.

ZENK, Shannon, et al. (2005), "Neighborhood Racial Composition, Neighborhood Poverty, and the Spatial Accessibility of Supermarkets in Metropolitan Detroit." *American Journal of Public Health*, 95(4, April): 660-667.

GHIRARDELLI, A., QUINN, V., and FOERSTER, S.B. (2010). Using Geographic Information Systems and local food store data in California's low-income neighborhoods to inform community initiatives and resources. *American Journal of Public Health*, 100(11, November): 2156-2162.

**PAPER I DISTRIBUTED TODAY!!**

**WEEK 4: Food insecurity and land vacancy in cities**

**Sept. 24:** Poverty, race, health, food security and urban agriculture.

LEVKOE, C. Z. (2006). "Learning Democracy through Food Justice Movements." *Agriculture and Human Values*, 23: 89-98.

DuPUI, E.M. and GOODMAN, D. (2005). "Should we go "Home" to Eat?: Toward a Reflexive

Politics of Localism.” *Journal of Rural Studies*, 21:359-371.

SMITH, Christopher and Hilda KURTZ (2003), “Community Gardens and the Politics of Scale in New York City.” *Geographical Review*, 93(2, April): 193-212.

SALDIVAR-TANAKA, L. and KRASNY, M.L. (2004). “Culturing Community Development, Neighborhood Open Space, and Civic Agriculture: The Case of Latino Community Gardens in New York City.” *Agriculture and Human Values*, 21: 399-412.

**Sept 26:** Land vacancy and urban agriculture.

NATIONAL VACANT PROPERTIES CAMPAIGN (2005). *Vacant Properties: The True Cost to Communities*. Washington, D.C.: National Vacant Properties Campaign.

BROWN, Katherine (2002), *Urban Agriculture and Community Food Security in the United States: Farming from City Center to the Urban Fringe*. Portland, OR: Community Food Security Coalition.

**WEEK 5: Social capital, organizational capacity, and urban renewal**

**Oct. 1:** Revitalization of inner cities; eminent domain.

BARRINGER, David (1997), “The New Urban Gamble.” *American Prospect*. 34: 28-34.

BATES, Timothy (2006), “The Urban Development Potential of Black-Owned Businesses.” *Journal of the American Planning Association*, 72(2): 227-237.

TALLEN, Emily (2005), “Evaluating Good Urban Form in an Inner-City Neighborhood: An Empirical Application.” *Journal of Architectural and Planning Research*, 22(3, Autumn): 204-228.

DIETRICK, Sabrina and Cliff ELLIS (2004), “New Urbanism in the Inner City.” *Journal of the American Planning Association*, 70(4): 426-442.

CARPENTER, D.M and J.K. ROSS (2009). “Testing O’Connor and Thomas: Does the Use of Eminent Domain Target Poor and Minority Communities?” *Urban Studies*, 46(11, October): 2447-2461.

**UNIT III: HOUSING AND HOMELESSNESS**

**WEEK 5: Poverty and lack of housing**

**Oct. 3:** Homelessness.

PINNEY, Robin, et al. (2007). “Housing Instability Among Current and Former Welfare Recipients.” *American Journal of Public Health*, 97(5, May): 832-837.

SCHANZER, Bella, et al. (2007). “Homelessness, Health Status and Health Care Use.” *American Journal of Public Health*, 97(3, March): 464-469.

TOMPSETT, Carolyn L., et al. (2004). “Homelessness in the United States: Assessing Changes in

Prevalence and Public Opinion. *American Journal of Community Psycholtron*, 37 (1, March): 47-61.

EARLY, Dirk (1998). "The Role of Subsidized Housing in Reducing Homelessness: An Empirical Investigation Using Micro-Data." *Journal of Policy Analysis and Management*, 17(4): 687-696.

**WEEK 6: Poverty and lack of housing**

**Oct. 8:** Public housing: The HOPE VI model.

HOUSING AND URBAN DEVELOPMENT (2007). *HOPE VI Program Authority and Funding History*. Washington, D.C.: Department of Housing and Urban Development.

JOURDAN, Dawn (2008). Enhancing HOPE VI Revitalization Processes with Participation. *Community Development*. 39(2): 75-90.

**UNIT 1V: POVERTY, HEALTH AND ENVIRONMENT**

**WEEK 6: Poverty and health**

**Oct. 10:** Poverty and ill-health.

ACEVEDO-GARCIA, Delores (2001). "Zip-Code Level Risk Factors for Tuberculosis: Neighborhood Environmental Residential Segregation in New Jersey, 1985-1992." *American Journal of Public Health*, 91(5, May): 734-741.

QUINN, Kelly, et al. (2006). "Racial and Ethnic Disparities in Diagnosed and Possible Undiagnosed Asthma Among Public-School Children in Chicago." *American Journal of Public Health*, 96(9, September): 1599-1603.

JOSEPH, Christine (2005). "Blood Lead Level and the Risk of Asthma." *Environmental Health Perspectives*, 113(71, July): 900-904.

LOH, Penn and Jodi SUGERMAN-BROZAN (2002), "Environmental Justice Organizing for Environmental Health: Case Study on Asthma and Diesel Exhaust in Roxbury, Massachusetts." *Annals of the American Academy of Political and Social Science*, 584(November): 110-124.

PIRKLE, J. L., R. B. KAUFMANN, D. J. BRODY, T. HICKMAN, E.W. GUNTER, and D. C. PASCHAL (1998). "Exposure of the U.S. Population to Lead, 1991-1994." *Environmental Health Perspectives*, 106(11, November): 745-750.

**PAPER I DUE IN CLASS TODAY!!!**

**WEEK 7: Pesticides, air pollution and poverty.**

**Oct. 15: Fall Break**  
**No class held today**

**Oct. 17:** Pesticides exposure and other occupational hazards faced by farmworkers

McCAULEY, Linda, et al. (2006). "Studying Health Outcomes in Farmworker Populations Exposed to Pesticides." *Environmental Health Perspectives*, 114(6, June): 953-960.

QUANDT, Sara, et al. (2004). "Agricultural and Residential Pesticides in Wipe Samples from Farmworker Family Residences in North Carolina and Virginia." *Environmental Health Perspectives*, 112(3, March): 382-387.

MARLENGA, Barbara (2007). "Changing the Labor Laws for Agriculture: Impact on Injury." *American Journal of Public Health*, 97(2, February): 276-282.

SHULZ, Amy, et al. (2005), "Social and Physical Environments and Disparities in Risk for Cardiovascular Disease: Healthy Environments Partnership Conceptual Model." *Environmental Health Perspectives*, 113(12, December): 971-1007.

**UNIT V: RACE, FOOD CONSUMPTION, AND POLLUTION**

**WEEK 8: Air Pollution and toxic food consumption.**

**Oct. 22:** Air pollution.

APELBERG, Benjamin, et al (2005). "Socioeconomic and Racial Disparities in Cancer Risk from Air Toxics in Maryland." *Environmental Health Perspectives*, 113(6, June): 693-699.

PASTOR, Manuel, et al. (2005). "The Air is Always Cleaner on the Other Side: Race, Space and Air Toxics Exposure in California." *Journal of Urban Affairs*, 27(2): 127-148.

POTOSKI, Matthew (2001). "Clean Air Federalism: Do States Race to the Bottom?" *Public Administration Review*, 61(3, May/June): 335-342.

PERLIN, Susan, David WONG and Ken SEXTON (1995), "Residential Proximity to Industrial Sources of Air Pollution: Interrelationships Among Race, Poverty, and Age." *Journal of the Air & Waste Management Association*, 51(3, March): 406-421.

**PAPER II DISTRIBUTED TODAY!!**

**Oct. 24:** Toxic fish consumption – Asians and Blacks.

IMM, Pamela, Lynda Knobeloch, Henry A. Anderson and The Great Lakes Sport Fish Consortium (2005), "Fish Consumption and Advisory Awareness in the Great Lakes Basin, *Environmental Health Perspectives*, 113(10, October): 1325-1329.

XUE, Fei, Claudia Holzman, Mohammad Hossein Rahbar, Kay Trosko and Lawrence Fischer (2007), "Maternal Fish Consumption, Mercury Levels, and Risk of Preterm Delivery." *Environmental Health Perspectives*, 115(1, Jan.): 42-47.

ENVIRONMENTAL PROTECTION AGENCY (1983), "Olin Agrees to Clean up DDT in Triana, Alabama Area." April 21. Washington, D.C.: EPA.

McGOVERN, Francis E. (1990), "The Alabama DDT Settlement Fund." *Law and Contemporary Problems*, 53(4, Autumn): 61-78.

SADDLER, Eli (2006). *Toxic Tuna: An Undercover Investigation of Mercury-Contaminated Sushi in Popular Los Angeles Japanese Restaurants*. Forest Knolls, CA: Turtle Island Restoration Network.

**WEEK 9: Pollution and toxic food consumption, continued.**

**Oct. 29:** Toxic food consumption – Hispanics.

ZEIDNER, Julie (1995). "Survey Finds Hispanic Population Has Taste for Seafood." *Nor'easter*, Spring/summer.

QUINTERO-SOMAINI, Adrianna and Mayra QUIRINDANGO (2004). *Hidden Dangers: Environmental Health Threats in the Latino Community*. New York, NY: Natural Resources Defense Council. Pp. 54-60.

PALLO, Beth and Marlene BARKEN (2010). "The Domestic and International Dimensions of Methylmercury Contamination in Tuna: An Analysis of the Efficacy of the Fish Advisory Standards of Two Federal Agencies." In *Environment and Social Justice: An International Perspective. Research in Social Problems and Public Policy* 18: 179-210.

**Oct. 31:** Pollution and toxic food consumption on Native American reservations

SCHELL, Lawrence M. and Alice M. TARBELL (1998), "A Partnership Study of PCBs and the Health of Mohawk Youth: Lessons from Our Past and Guidelines for Our Future." *Environmental Health Perspectives*, 106 (Supplement 3, June): 833-840.

QUIGLEY, Dianne (2001). "Ethical Considerations in Research Methodologies for Exposure Assessment of Toxic and Radioactive Contaminants in Native Communities." Syracuse: Syracuse University.

JOHANSEN, Bruce (1995) "Akwesasne's Toxic Turtles." In *Ecocide of Native America: Environmental Destruction of Indian Lands and People*. Donald A. Grinde and Bruce E. Johansen, eds., Santa Fe, NM: Clear Light Publishers.

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY (2001). "Polychlorinated Biphenyls." Atlanta: ATSDR. February.

**UNIT VI: ZONING, FACILITY SITING, AND COMMUNITY ORGANIZING**

**WEEK 10: Race, class, space and environmental hazards**

**Nov. 5:** Transportation and storage of hazardous wastes on Native American reservations.

DREW, Christina H., Deirdre A. Grace, Susan M. Silbernagel, Erin S. Hemmings, Alan Smith, William C. Griffith, Timothy K. Takaro, Elaine M. Faustman (2003), "Nuclear Waste Transportation: Case Studies of Identifying Stakeholder Risk Information Needs." *Environmental Health Perspectives*, 111 (3, Mar.): 263-272

CLARKE, Tracylee (2002), "An Ideographic Analysis of Native American Sovereignty in the State of Utah: Enabling Denotative Dissonance and Constructing Irreconcilable Conflict." *Wicazo Sa Review*, 17 (2, Autumn): 43-63.

BROOK, Daniel (1998). "Environmental Genocide: Native Americans and Toxic Wastes." *The American Journal of Economics and Sociology*, 57(January): 105-113.

SCHMIDT, Charles W. (1998). "Who Decides the Law of the Land?" *Environmental Health Perspectives*, 106(2): A70-A72.

**Nov. 7:** Zoning, residential segregation, and exposure to environmental hazards

MAANTAY, Juliana (2002). "Zoning Law, Health, and Environmental Justice: What's the Connection?" *Journal of Law, Medicine & Ethic.*, 30(4, Winter): 572-593.

COLE, Luke and Caroline FARRELL (2006). "Structural Racism, Structural Pollution and the Need for a New Paradigm." *Washington University Journal of Law and Policy*, 20: 265-282.

RABIN, Yale (1989). "Expulsive Zoning: The Inequitable Legacy of E12a uclid." In *Zoning and the American Dream*. C.M. Haar and J. Kayden. Eds. Chicago, IL: Palmers Press. Pp. 101-121.

**WEEK 11: Facility siting, regulation, and taxation**

**Nov. 12:** Shintech, Cancer Alley, and the Path of Least Resistance.

HINES, Revathi (2001). "African Americans' Struggle for Environmental Justice and the Case of the Shintech Plant: Lessons Learned from a War Waged." *Journal of Black Studies*, 31(6, July): 777-789.

PETIT, Angela (2001). "Domestic, Virtuous Women: Examining Women's Place in a Public Environmental Debate Along Louisiana's Cancer Alley." *Technical Communication Quarterly*. 10(4, Fall): 365-386.

SCHELLY, D. and P. B. STRETSKY (2009). "An Analysis of the 'Path of Least Resistance' Argument in Three Environmental Justice Success Cases." *Society & Natural Resources*, 22(4):369-380.

**Nov. 14:** Regulation, taxation, and the siting of waste management facilities

STAFFORD, Sarah (2000). "The Impact of Environmental Regulations on the Location of Firms in



the Hazardous Waste Management Industry.” *Land Economics*, 76(4, November): 576-589.

LEVINSON, Arik (1999). “State Taxes and Interstate Hazardous Waste Shipment.” *The American Economic Review*, 89(3, June): 666-677.

HAMILTON, J. T. (1993). “Politics and Social Costs: Estimating the Impact of Collective Action on Hazardous Waste Facilities.” *Rand Journal of Economics* 24:101–125.

**WEEK 12: Landfill siting and host community compensation**

**Nov. 19: The economics of landfills**

TAYLOR, David (1999). “Talking Trash: The Economic and Environmental Issues of Landfills.” *Environmental Health Perspectives*. 107 #8(August): A404-A409.

JENKINS, Robin, Kelly MAGUIRE and Cynthia MORGAN (2004). “Host Community Compensation and Municipal Solid Waste Landfills.” *Land Economics*, 80(4, November): 513-528.

BOERNER, C. and T. LAMBERT (1995). “Environmental Justice can be Achieved Through Negotiated Compensation.” In *Environmental Justice*. J. Petrikin. Editor. San Diego, CA: Greenhaven Press. Pp. 85–99.

BEEN, Vicki. (1993). “Compensated Siting Proposals: Is it Time to Pay Attention?” *Fordham Urban Law Journal*. 21(3): 787-826.

**Nov. 21: Land values, community demographic changes, and the siting of hazardous facilities.**

PASTOR, M., J. SADD and J. HIPPI (2001). “Which Came First? Toxic Facilities, Minority Move-in, and Environmental Justice.” *Journal of Urban Affairs*, 23(1): 1-21.

IHLANFELDT, K.R. and L.O. TAYLOR (2004). “Externality Effects of Small-scale Hazardous Waste Sites: Evidence from Urban Commercial Property Markets.” *Journal of Environmental Economics and Management*, 47(1): 117-139.

SAHA, Robin and Paul MOHAI (2005). “Historical Context and Hazardous Waste Facility Siting: Understanding Temporal Patterns in Michigan.” *Social Problems*, 52(4): 618–648.

BEEN, Vicki. and Francis GUPTA (1997). “Coming to the Nuisance or Going to the Barrios? A Longitudinal Analysis of Environmental Justice Claims.” *Ecology Law Quarterly*, 24(1): 1-56.

**UNIT VII: SUSTAINABILITY**

**WEEK 13: Landfill conversion**

**Nov. 26:** Parks and playground: development and hazards

ALLEN, Sandra and Robert JOHNSON (1995). "A Study of Hazards Associated With Playgrounds." *Journal of Environmental Health*, 57(June): 23-26.

MELOSI, Martin (2002). "The Fresno Sanitary Landfill in an American Cultural Context." *Public Historian*. 24(3, Summer): 17-35.

STEWART, Barbara (2002). "Landfill to Park? Give it Time." *New York Times*. November 28.

PACK, Andrew and Scott SHANUEL (2007). "The Economics of Park Planning." *Parks and Recreation*, 40(8): 64-69.

**Nov. 28: THANKSGIVING BREAK  
NO CLASS HELD.**

**WEEK 14: Urban park financing, land vacancy and open space**

**Dec. 3:** Urban park financing

TAYLOR, Dorceta E. (2010) "Equity, Influence and Access: Central Park's Role in Historical and Contemporary Urban Park Financing." *Research in Social Problems and Public Policy*. 18: 29-73.

**Student presentations**

**PAPER II DUE IN CLASS TODAY!!!**

**Dec. 5:** Ecovillages and social justice

CHITWERE, Tendai and TAYLOR, Dorceta E. (2010). Sustainable living and community building in EcoVillage at Ithaca: The challenges of incorporating social justice concerns into the practices of an ecological cohousing community." *Research in Social Problems and Public Policy*. 18: 141-178.

**Student presentations**

**FINAL EXAM DISTRIBUTED TODAY!!!**

**WEEK 15: Climate change and environmental justice.**

**Dec. 10:** Climate Justice

BURKETT, Maxine (2008). "Just Solutions to Climate Change: A Climate Justice Proposal for a Domestic Clean Development Mechanism." *Buffalo Law Review*. 56: 169-244

**Student presentations**

**WEEK 16:**

**Dec. 18: EXAM DUE BY 3:00 P.M. IN ROOM 2576 DANA or in Dorceta Taylor's mailbox in the Dana Building**