

Tufts University
Department of Urban and Environmental Policy and Planning

Environmental Justice UEP 278
Fall 2009

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Fridays 9.00-11.30 am at Tisch Library Room 314

Office hours: Fridays 12:30-2:30 and by appointment.

Description

Environmental justice is a framework for analyzing and addressing the inequalities in environmental conditions (benefits and burdens) among communities of varying race/ethnicity and economic class. At the same time, environmental justice presents a deep challenge to the mainstream environmental and sustainability frameworks.

This course will be divided into four sections:

1. Theory and concepts of environmental justice

We will examine the foundations of the environmental justice concept, the history of the environmental justice movement, and the links between environmental justice and the environmental and sustainability movements.

2. Case studies and local site visits

We will deepen our understanding of the challenges and responses to environmental injustice through several site visits with local EJ groups and guest presenters who will help frame environmental justice efforts in other parts of the country and the world. Issues that we will address include brownfields, land-use and gentrification, transportation, and others.

3. Strategies for addressing environmental justice

We will examine the community strategies, governmental and policy responses, and legal approaches to addressing environmental justice.

4. Service learning projects

Students will work in teams of 2-4 on projects that will help further the efforts of a local EJ group.

Course Objectives

- To develop theoretical frameworks for understanding how environmental injustice is produced locally, regionally, and globally and how environmental justice is linked to sustainability.
- To ground students in the realities faced by environmental justice communities locally and to connect these to struggles in other parts of the world.
- To explore strategies for addressing environmental justice from the community, government, science, and legal perspectives.
- To inspire and meaningfully engage students in local and regional efforts to promote environmental justice.

Course texts

Cole, Luke W. and Foster, Sheila R. (2001) *From the Ground Up: Environmental Racism and the Rise of the Environmental Justice Movement*. New York. NYU Press.

Agyeman, Julian. (2005) *Sustainable Communities and the Challenge of Environmental Justice*. New York. NYU Press.

A required Reader is also available for purchase. Where a reading on this syllabus is not in your Reader, it will be internet based as directed by a url in the syllabus. Note, suggested readings in the course syllabus are not in the Reader to save on printing costs.

Course Requirements and Assessment

All students are expected to attend class regularly and complete assignments on time, including completing the required readings before each class. Your grade will be based on the following:

1. Group Project for Community Group (35%)

Students will work in teams of 2-4 on a group project for a community organization. For those students who already have experience working with community groups, there is the option of doing an individual project of equivalent scale, such as writing a 15-20 page paper (please see me if you wish to pursue this option). The projects will be defined and guided by the community group. A list of the projects will be available once the class begins. The projects will require reporting to the client group and creating a final product (e.g. briefing paper, factsheet, web page, bibliography, powerpoint presentation, etc.). Depending on the nature of the project, groups may also need to conduct secondary research, data analysis and synthesis, or interviews.

Here are some examples of previous community clients and projects:

- T Riders Union – analyze and document disparities in transit service between low income communities of color and more wealthy communities.
- Green Justice Coalition – research and analysis to support the development of community-driven energy efficiency initiatives that can also generate green jobs and ownership opportunities.
- On the Move – develop and test survey tool for community groups to get input towards developing a long-range transportation justice plan for the Boston region.
- Chinese Progressive Association – research ways for communities to build parks over highway airspace.
- Mission Hill Youth Organizers – research on asthma in public housing and strategies for improving indoor environmental conditions, such as replacing carpets.

Students will submit preferences for projects by 3rd class (Sep 25) and assignments will be made by 4th class (Oct 2).

Initial project scoping meetings and draft plans submitted by 6th class (Oct 16).

Draft project outputs to client groups by Wed Nov 25.

Final project presentations on December 11.

2. 5-page Opinion Paper (25%)

Choose an issue in environmental justice that you think is contentious but about which you have strong feelings. It could be something like risk assessment, the relationship between environmental justice and sustainability, the role of experts or the debate about gentrification and environmental justice. Using class readings and other resources, write a 5-page opinion paper in support of your position. You should source at least 5 other readings in addition to required class readings. Note, these readings do not have to be peer-reviewed scholarly articles. Magazine articles or “grey” literature pieces are acceptable. The paper is due on December 11th.

3. Site Visit Journal or Op-Ed or Lead Class Discussion (20%)

For this requirement, the goal is to deeply analyze the themes and questions raised by either a site visit or the readings in relationship to the overall questions addressed by this class.

There are 3 options:

- a. Site visit journal [due Nov 6]
3-5 paged, double-spaced paper with your reflections based on one of our class site visits. You can

raise questions and challenges in relation to the class readings, reflect on your own experiences, and/or share your personal reactions and feelings.

- b. Op-Ed [due Nov 6]
500-700 word Op-ed on a subject related to the class and that could be submitted to the Boston Globe.
- c. Lead class discussion
For some of the classes (weeks 7, 8, 10, 11), there will be an opportunity to lead or co-lead a 30-45 minute discussion section. In addition to leading the discussion, the leader(s) will prepare a reading briefing paper (3-5 paged double spaced) summarizing the main themes in the class readings for the discussion and questions and challenges raised by those readings. The reading briefing document must be available to the rest of the class, on our Blackboard site <http://blackboard.tufts.edu> no later than 5.00pm on Wednesday before the class.

4. Class participation (20%)

Class participation includes regular and prompt attendance as well as quality (not quantity) of input in class discussions. Remember that class participation is enhanced by being prepared for each class by completing the required readings.

Schedule

Week 1: Sep 11. Overview

- Course overview and approach
- EJ case study snapshots
- ACE Video: Not In My Backyard
- Role of students and university in supporting community groups

Required Readings

Motavalli, Jim (1998) "Toxic Targets – Polluters that Dump on Communities of Color are Finally Being Brought to Justice," *E – The Environmental Magazine*, July-August. Available at: www.emagazine.com/july-august_1998/0798feat1.html

Optional Readings

Axel-Lute, Miriam, "Town & Gown: Making Research Serve Communities' Needs," *Shelterforce Online*, (National Housing Institute, November/December 1999). Available at: <http://www.loka.org/town&gown.htm>

Race, Poverty, & the Environment, issue on "Burden of Proof: Using Research for EJ", Vol. XI, No.2, Winter 2004/2005. Available at: <http://urbanhabitat.org/11-2>

Week 2: Sep 18. EJ Theory and Concepts 1

- What is environmental justice?
- Evidence of disproportionate impact
- Causes of environmental injustice
- ROLE PLAY: Siting Hearing
- *Class project list distributed.*

Required Readings (~100)

Cole & Foster. Preface and Introduction. pp. 1-18.

Faber, Daniel and Krieg, Eric, "Unequal Exposure to Ecological Hazards 2005: Environmental Injustices. in the Commonwealth of Massachusetts. Executive Summary." Philanthropy and Environmental Justice Research Project of UEP278 Fall 2009 Syllabus

Northeastern University. October 2005. Available at:
http://www.barrfoundation.org/usr_doc/unequal_exposure2005exec.pdf and class site: <http://blackboard.tufts.edu>

Massachusetts Environmental Justice Populations. Available at:
<http://maps.massgis.state.ma.us/ej/ej.pdf>

Friedman, David, "The Environmental Racism Hoax," American Enterprise Institute, 2003, available at:
http://www.taemag.com/issues/articleid.17116/article_detail.asp

Pulido, Laura, "A Critical Review of the Methodology of Environmental Racism Research," *Antipode*, vol. 28, no. 2:142-159, 1996.

Been, Vicki, "Locally Undesirable Land Uses in Minority Neighborhoods: Disproportionate Siting or Market Dynamics?" *Yale Law Journal*, vol. 103, no. 6: 1383-1421, 1994.

Rabin, Yale. (1989) "Expulsive Zoning: The Inequitable Legacy of *Euclid*, in Zoning and the American Dream 101," excerpted in Rechtschaffen, Clifford and Eileen Gauna, 2002 *Environmental Justice: Law, Policy and Regulation*, Durham, NC: Carolina Academic Press, pp. 27-29.

Optional Readings

Faber, Daniel. (1998). "The Political Ecology of American Capitalism: New Challenges for the Environmental Justice Movement," Chapter 1 in *The Struggle for Ecological Democracy*, ed. Daniel Faber, Guildford Press, pp. 27-59.

Institute of Medicine (1999), "Chapter 2: Establishing a Baseline," in *Toward Environmental Justice: Research, Education, and Health Policy Needs*, Washington, D.C.: National Academy Press, pp.: 11-21, 1999. Available at:
<http://www.nap.edu/books/0309064074/html/11.html>

Taylor, D (2000) The Rise of the Environmental Justice Paradigm. *American Behavioral Scientist*. Vol 43 (4) pp508-580.

Week 3: Sep 25. EJ Theory and Concepts 2

- EJ movement history
- EJ challenge to mainstream environmentalism and sustainability movements
- Small group discussion
- *Students submit class project preferences*

Required Readings (~109)

Cole & Foster. Chapter 1: A History of the Environmental Justice Movement. pp. 19-33.

Principles of Environmental Justice, Adopted at the People of Color Conference on Environmental Justice, Washington, D.C. 1991. Available at:
<http://www.ejrc.cau.edu/princej.html>

Foreman, Christopher. 1997. Environmentalism or Ideology? Inner City Activists Talk Pollution, Push Social Agenda. Available at:
http://www.brookings.edu/articles/1997/0901metropolitanpolicy_foreman.aspx

Foreman, Christopher. 2002. Remarks on Environmental Justice to United States Commission on Civil Rights. Available at:
http://www.brookings.edu/testimony/2002/0111environment_foreman.aspx

Southwest Organizing Project. "Five Years Later: SWOP's Letter to the 'Group of Ten' Revisited," special insert to *Voces Unidas Update*, November 1995.

Alston, Dana. "Moving Beyond the Barriers," in Proceedings of the First National People of Color Environmental Leadership Summit, pp. 103-106.

Grossman, Karl. "The People of Color Environmental Summit," Chapter 15 in *Unequal Protection: Environmental Justice and Communities of Color*, ed. Robert Bullard, Sierra Club Books, 1994. pp. 272-297.

Agyeman. Introduction (pp. 1-13) and Chapter 3 (pp. 79-106).

Goldman, Benjamin. "What is the Future of Environmental Justice," *Antipode*, vol. 28, no. 2:122-141, 1996.

Optional Readings

Agyeman. Chapter 2 (pp. 39-78) and 4 (pp. 107-132).

Gottlieb, Robert. 1993. *Forcing the Spring: The transformation of the American environmental movement*. Chapter 4. Island Press.

Faber, D and McCarthy, D (2003) Neo-Liberalism, Globalization and the Struggle for Ecological Democracy: Linking Sustainability and Environmental Justice In Agyeman, J, Bullard, RD and Evans, B (eds) (2003) *Just Sustainabilities: Development in an Unequal World*. Cambridge. MIT Press. pp38-63.

Week 4: Oct 2. Site Visit: Roxbury/EJ in Black Communities

- Site visit to **Alternatives for Community & Environment** in Dudley Square at 2181 Washington Street, Suite 301, Roxbury. [Session led by ACE Program Director Khalida Smalls]
- Issues for site visit:
 - Asthma and air quality
 - Polluting facilities
 - Youth and Violence

Required Readings (~115)

Agyeman. Chapters 5 (pp 133-175).

ACE's web site at: www.ace-ej.org

Loh, P, Sugerman-Brozan J. "Environmental Justice Organizing for Environmental Health: Case Study on Asthma and Diesel Exhaust in Roxbury, MA." *Annals of the American Academy of Political and Social Sciences* (584: November 2002). Available at class site: <http://blackboard.tufts.edu>.

Faber, DR; Loh, P; and Jennings J. "Environmental Injustices in Massachusetts: Forging Greater Community Participation in the Planning Process." *Projections: MIT Journal of Planning* (3:1, November 2002).

Cole & Foster: Chapters 2 and 3 (pp 34-79).

Johnson, Hazel, "Living in Chicago's Toxic Doughnut," in *Proceedings of the First National People of Color Environmental Leadership Summit*, pp. 87-88.

Race, Poverty, & the Environment, issue on "Reclaiming Land and Community", Vol. VIII, No.1, Winter 2001, pp. 31-34.

Optional Readings

ACE's web page on the BU bioterror lab at: <http://www.ace-ej.org/BiolabWeb/biolab.html>

Airbeat monitoring system website at: <http://www.airbeat.org>

Loh, P; Sugerman-Brozan J.; Wiggins, S; Noiles, D; Archibald, C. "From Asthma to AirBeat: Community-Driven Monitoring of Fine Particles and Black Carbon in Roxbury, Massachusetts." *Environmental Health Perspectives* (110: supplement 2, April 2002). Available at: <http://www.ehponline.org/members/2002/suppl-2/297-301loh/EHP110s2p297PDF.PDF>

Levy, J; Houseman, EA; Spengler J; Loh, P; Ryan, L. "Fine Particulate Matter and Polycyclic Aromatic Hydrocarbon Concentration Patterns in Roxbury, Massachusetts: A Community-Based GIS Analysis." *Environmental Health Perspectives* (109: 4, April 2001), pp 341-347. Available at: <http://www.ehponline.org/members/2001/109p341-347levy/levy.pdf>

Medhoff, Peter and Sklar, Holly. *Streets of Hope*. South End Press, 1994, chapters 1 and 3.

Sherman, Scott, "Environmental Justice Case Study: West County Toxics Coalition and the Chevron Refinery Richmond, California," available at: <http://www.umich.edu/~snre492/sherman.html>

Trust for America's Health, "Asthma in Bayview Hunters Point," 2001, case study available at: <http://healthyamericans.org/docs/index.php?DocID=1>

West Harlem Environmental Action GIS maps at: <http://www.weact.org/gis/index.html>

Week 5: Oct 9. Site Visit: Chelsea/EJ in Latino Communities

- Site Visit to **Chelsea Green Space and Recreation Committee** at 300 Broadway, Chelsea

- Issues for site visit:
 - Polluting facilities: salt mountain, Boston Hides and Fur, proposed power plant
 - Chelsea Creek redevelopment and restoration
- Additional readings on EJ in Latino communities and immigration/population
- *Student teams and projects assigned.*

Required Readings (~75)

Chelsea Green Space Committee web site at: <http://www.chelseagreenspace.org/>

Marakovitz, Ed. "Environmental Organizing in Chelsea: the Green Space and Recreation Committee," Chelsea Human Services Collaborative, June 1998.

Bongiovanni, Roseann and Chacker, Stacey. "Chelsea Community Based Comparative Risk Assessment," presentation at Science to Action: Community-based Participatory Research and Cumulative Risk Analysis as Tools to Advance Environmental Justice in Urban, Suburban and Rural Communities held at Boston University on May 24-26, 2004. Available at:

<http://www.epa.gov/OSP/presentations/envjust/bongiovanni.pdf>

Chelsea Creek restoration collaborative website at: <http://www.noahcdc.org/cbe/ccrp.html>

Cole & Foster: Chapter 4 (pp. 80-102).

Loh, Penn. "Must it be Greens versus Browns: Population, Immigration, and Environment:," *Racefile*. vol. 3, no. 5. Applied Research Center. Oakland, CA. September-October 1995.

Optional Readings

Quintero-Somains, Adrianna, and Mayra Quirindongo, *Hidden Danger: Environmental Health Threats in the Latino Community*, Natural Resource Defense Council, October 2004, pp.: vi-8, available at:

http://www.nrdc.org/health/effects/latino/english/latino_en.pdf

Loh, Penn and Gore, Jamal. "Beyond Fear: Addressing Population and Sustainability Concerns in California." EDGE Position Paper. 1995.

Week 6: Oct 16. Site Visit: Chinatown/Asian Pacific American Issues

- Site visit to: Boston Chinatown: **Jeremy Liu**, Asian Community Development Corporation at 38 Oak Street, Boston Chinatown. [to be confirmed]
- Gentrification and control over land use. Right to the City framework.
- *Project plans submitted.*

Required Readings (~100)

Leong, Andrew. "The Struggle Over Parcel C," Institute for Asian American Studies, UMass Boston, September 1997. Available at:

<http://www.iaas.umb.edu/publications/occasional/AndrewLeong.pdf#search=%22andrew%20leong%20parcel%20c%22>

Asian Pacific Environmental Network, "Environmental Justice & API Issues," available at:

http://www.apen4ej.org/issues_api.htm

Brugge, Doug, "Environmental Justice and Asian Americans," Asian American Movement Ezine, available at:

<http://www.aamovement.net/community/aej.html>

Tai, Stephanie, "Environmental Hazards and the Richmond Laotian American Community: A Case Study in Environmental Justice," 6 *Asian Law Journal*, pp.: 189-207, 1999.

Race, Poverty, & the Environment, issue on "Fixin' to Stay: Anti-Displacement Policy Options & Community Response", Vol. IX, No.1, Summer 2002, pp. 5-8, 16-19, 30-33.

Purcell, Mark. 2003. "Citizenship and the Right to the Global City: Reimagining the Capitalist World Order," *International Journal of Urban and Regional Research*, vol 27.3, pp 564-590. Available at class site:

<http://blackboard.tufts.edu>.

Optional Readings

Marsh, Dwayne. "Promise and Challenge: Achieving Regional Equity in Greater Boston," PolicyLink May 2003, pp. 4-6, 23-28. Available at: <http://www.policylink.org/Research/BostonEquity/>

Pellow, David Naguib and Lisa Sun-Hee Park, "The Core: Work and the Struggle to Make a Living without Dying," in *The Silicon Valley of Dreams: Environmental Injustice, Immigrant Workers, and the High-Tech Global Economy*, New York: NYU Press, pp.: 112-136, 2003.

Week 7: Oct 23. Case Study: Transportation

- Transportation and EJ
Guest speaker **Bob Terrell** (Washington Street Corridor Coalition)
- *Student-led discussion of readings.*

Required Readings (~100)

Lopez, Russ. "Racial Segregation and Transportation Justice in an Urban Community: The Case of the Boston T Riders Union," Boston University School of Public Health, August 2005. Available at class site: <http://blackboard.tufts.edu>.

Otake, Masaya. "Analysis and Strategies for Transit Justice in Greater Boston," Policy Analysis Exercise, Harvard University Kennedy School of Government, April 2002, pp. x-xv.

Bullard, Robert and Johnson, Glenn. 1997. *Just Transportation*. New Society Publishers. Introduction and Chapter 1, pp 1-21.

Race, Poverty, & the Environment, issue on "Transportation Justice", Vol. 12, No.1, Winter 2005/2006, pp. 6-31, 47-58, 68-78.

Bus Riders Union website at: <http://www.busridersunion.org/engli/index.html>

Optional Readings

Conservation Law Foundation. June 1998. "City Routes, City Rights: Building Livable Neighborhoods and Environmental Justice by Fixing Transportation." pp. 3-34. Available at: http://www.clf.org/uploadedFiles/CLF/General/Publications/City_Routes_City_Rights.pdf#search=%22clf%20city%20routes%20city%20rights%22

Mann, Eric. 1996. "A New Vision for Urban Transportation." Labor/Community Strategy Center, Los Angeles.

Movie (DVD), *Bus Riders Union* (available to loan from ACE).

Week 8: Oct 30. Legal Strategies and EJ in Native American Communities

- Legal Strategies
Guest speaker: **Gene Benson**, ACE Staff Attorney
- Native American EJ issues
- *Student-led discussion of readings.*

Required Readings (~150)

Cole & Foster Chapter 5 and 6 (pp. 103-150)

Benson, Eugene. "Commonwealth makes strides in combating environmental injustice, but journey has just begun," *section review*, Massachusetts Bar Association, Vol. 8, No. 2, 2006, pp. 3-5.

Massachusetts Environmental Justice Network Training. 1995. Massachusetts Continuing Legal Education. pp. 1-10.

Gordon, Holly and Keith Harley. 2005. "Environmental Justice and the Legal System," in Pellow, David Naguib and Robert Brulle (eds) *Power, Justice, and the Environment*. Cambridge, MA. MIT Press. Pp 153-170.

Gedicks, Al. 2005. "Resource Wars against Native Peoples," in Bullard, Robert (ed) *The Quest for Environmental Justice*. San Francisco. Sierra Club Books. pp 168-187.

Goldtooth, T (1995) 'Indigenous nations: Summary of sovereignty and its implications for environmental protection' in Bryant, B (ed) *Environmental justice* Washington DC. Island Press. pp 138-148.

Optional Readings

Cole, Luke, "Empowerment as the Key to Environmental Protection: The Need for Environmental Poverty Law," *Ecology Law Quarterly*, vol. 19:619-683, 1992.

Wilson, Sean-Patrick, "Fighting the Good Fight: The Role of Environmental Civil Rights Litigators Going Forward and the Need for a Continuance of the Litigation Tool in the Environmental Justice Movement," *Western New England Law Review*, vol. 28, #293, 2006. Available at class site: <http://blackboard.tufts.edu>.

Foster, Sheila R. and Brian Glick, "Integrative Lawyering: Navigating the Political Economy of Urban Redevelopment," *California Law Review*, vol. 95 pp. 1999-2073, 2007. Available at class site: <http://blackboard.tufts.edu>.

Weinberg, Philip, "Equal Protection," Chapter 1 in M. Gerrard (ed.) *The Law of Environmental Justice*, American Bar Association, pp.: 3-22, 1999.

Mank, Bradford, "Title VI," Chapter 2 in M. Gerrard (ed.) *The Law of Environmental Justice*, American Bar Association, pp. 23-67, 1999.

Week 9: Nov 6. Community Strategies

- Community organizing – building power from the bottom up
- Building the EJ movement
- *Site visit journals or Op-eds due.*

Required Readings (~100)

Cole & Foster Chapter 7 (pp. 151-166)

Delgado, Gary. "Roots of the CO Movement," in *Beyond the Politics of Place*. Applied Research Center, 1997. pp 19-30.

Calpotura, Francis. "Letters to Alinsky," *ColorLines*, Winter 2000-2001, pp. 8-11.

Center for Third World Organizing. "Organizing: What It Is and What It Isn't"

Reed, Ronald and Tony Johnson (eds.) 1999. "Chapter 13: Paolo Friere," Longman Publishers, pp. 225-239.

Radical Organizing Conference 2003 booklet. Available at class site: <http://blackboard.tufts.edu>

Optional Readings

Delgado, Gary. "The Last Stop Sign: If community organizing is to live, it must change," *Shelterforce Online*, Issue #102, Nov/Dec 1998. Available at: <http://www.nhi.org/online/issues/102/stopsign.html>

Payne, Charles. *I've Got the Light of Freedom*. University of California Press. 1997. Chapter 3. pp. 67-102.

Week 10: Nov 13. Government Strategies and Risk Assessment

- Government responses to EJ
- EJ and Risk Assessment
- *Student-led discussion of readings.*

Required Readings (~90)

Executive Order 12898 – Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, February 11, 1994, available at:

http://www.epa.gov/compliance/resources/policies/ej/exec_order_12898.pdf

Eady, V (2003) Environmental Justice in State Policy Decisions In Agyeman, J, Bullard, RD and Evans, B (eds) (2003) *Just Sustainabilities: Development in an Unequal World*. Cambridge. MIT Press. pp168-181

Targ, Nicholas. 2005. "The States' Comprehensive Approach to Environmental Justice," in Pellow, David Naguib and Robert Brulle (eds) *Power, Justice, and the Environment*. Cambridge, MA. MIT Press. Pp 171-184.

Commonwealth of Massachusetts (2000) Environmental Justice Policy of the Executive Office of Environmental Affairs. http://www.mass.gov/envir/ej/pdf/EJ_Policy_English_Full_Version.pdf

Office of Inspector General, EPA Needs to Consistently Implement the Intent of the Executive Order on Environmental Justice, Report No. 2004-P-00007, Washington, D.C., March 1, 2004, pp. i-ii, 7-18. available at: <http://www.epa.gov/oig/reports/2004/20040301-2004-P-00007.pdf>

USEPA, "Agency Response to Recommendations Provided in the OIG Evaluation Report entitled, 'EPA Needs to Consistently Implement the Intent of the Executive Order on Environmental Justice,'" Washington, D.C., June 7, 2004, pp. 1-4, available at: <http://www.epa.gov/oig/reports/2004/20040301-2004-P-00007.pdf> [No more link]

Urban Habitat Program. Webpage: Race, Class and the EPA's Environmental Justice Strategic Plan. Read page plus pdf links to EPA memo and EPA comment letter. Available at: <http://urbanhabitat.org/epa>

EPA (1991) Risk Assessment for Toxic Air Pollutants: A Citizen's Guide, available at: http://www.epa.gov/oar/oaqps/air_risc/3_90_024.html

Goldman, B (2000) An Environmental Justice Paradigm for Risk Assessment. Human and Ecological Risk Assessment. Vol. 6 No 6 pp541-548

Optional Readings

Hastings College of the Law/American Bar Association (2004) Environmental Justice For All: A Fifty-State Survey Of Legislation, Policies, and Initiatives. pp. 5-11 (CA), 22-25 (MA). Available at: <http://www.abanet.org/irr/committees/environmental/statestudy.pdf>

Corburn, Jason. 2005. *Street Science*. Cambridge, MA. MIT Press.

O'Fallon, L and Dearry, A (2002) Community-Based Participatory Research as a Tool to Advance Environmental Health Sciences. Environmental Health Perspectives Vol. 110 pp155-159. Available at: <http://www.ehponline.org/members/2002/suppl-2/155-159ofallon/EHP110s2p155PDF.PDF>

Fischer, F (2002) *Not in my Backyard: Risk Assessment and the Politics of Cultural Rationality*. In Fischer, F Citizens, Experts and the Environment. Durham. Duke University Press pp124-146

Fischer, F (2002) *Citizens as Local Experts: Popular Epidemiology and Participatory Resource Mapping*. In Fischer, F Citizens, Experts and the Environment. Durham. Duke University Press pp147-169.

Week 11: Nov 20. Case Studies: South Africa and Climate Justice

- EJ in South Africa
Guest speaker: **Heeten Kalan** (GroundWork USA)
- Climate justice
- *Student-led discussion of readings.*

Required Readings (~110)

McDonald, David. 2005. "Environmental Racism and Neoliberal Disorder in South Africa," in *The Quest for Environmental Justice*, editor Robert Bullard, Sierra Club Books, pp. 255-278.

Santana, Deborah Berman. 2005. "Vieques: The Land, the People, the Struggle, the Future," in *The Quest for Environmental Justice*, editor Robert Bullard, Sierra Club Books, pp. 222-238.

A Sachs (1995) *Eco-Justice: Linking Human Rights and the Environment* Washington: Worldwatch Institute, Worldwatch Paper 127.

Department for International Development, "Climate Change Deepens Poverty and Challenges Poverty Reduction Strategies," 2004, available at: <http://www2.dfid.gov.uk/pubs/files/climatechange/1povertyPRS.pdf>

Miller, Ansje and Cody Sisco, "Ten Actions of Climate Justice Policies," Second National People of Color Environmental Leadership Summit—Summit II Resource Paper Series, 2002, available at: <http://www.ejrc.cau.edu/summit2/SummitIIClimateJustice%20.pdf>

Optional Readings

Agyeman, J and Evans, B (2004) "'Just Sustainability': The Emerging Discourse of Environmental Justice in Britain?" *Geographical Journal* Vol 170 No 2 pp155-164.

Collin, Robin Morris, and Collin, Robert. 2005. "Environmental Reparations," in *The Quest for Environmental Justice*, editor Robert Bullard, Sierra Club Books, pp. 209-221.

Rixecker, S and Tipene-Matua, B (2003) Maori Kaupapa and the Inseparability of Social and Environmental Justice: An Analysis of Bioprospecting and a People's Resistance to (Bio)cultural Assimilation. In Agyeman, J, Bullard, RD and Evans, B (eds) (2003) *Just Sustainabilities: Development in an Unequal World*. Cambridge. MIT Press. pp252-268.

Wickramasinghe, A (2003) Women and Environmental Justice in South Asia. In Agyeman, J, Bullard, RD and Evans, B (eds) (2003) *Just Sustainabilities: Development in an Unequal World*. Cambridge. MIT Press. pp229-251.

No class Fri Nov 27 Thanksgiving

Week 12: Dec 4. Future of Environmental Justice

- Invited Guest: **Professor Julian Agyeman**
- Sustainability and EJ movements. What is to come? Where to from here?
- *Draft project outputs should be submitted to client groups.*

Required Readings (~100)

Agyeman. Chapters 6 (pp 176-186).

Pellow, David Naguib and Robert Brulle. 2005. "Power, Justice, and the Environment: Toward Critical Environmental Justice Studies," in Pellow, David Naguib and Robert Brulle (eds) *Power, Justice, and the Environment*. Cambridge, MA. MIT Press. Pp 1-19.

Bryant, Bunyan and Elaine Hockman. 2005. "A Brief Comparison of the Civil Rights Movement and the Environmental Justice Movement," in Pellow, David Naguib and Robert Brulle (eds) *Power, Justice, and the Environment*. Cambridge, MA. MIT Press. Pp 23-36.

Benford, Robert. 2005. "The Half-Life of the Environmental Justice Frame: Innovation, Diffusion, Stagnation," in Pellow, David Naguib and Robert Brulle (eds) *Power, Justice, and the Environment*. Cambridge, MA. MIT Press. Pp 37-54.

Pellow, David Naguib and Robert Brulle. 2005. "The Future of Environmental Justice Movements," in Pellow, David Naguib and Robert Brulle (eds) *Power, Justice, and the Environment*. Cambridge, MA. MIT Press. Pp 293-300.

Gelobter, Michael et al., *The Soul of Environmentalism: Rediscovering Transformational Politics in the 21st Century*, Redefining Progress, 2005, available at: <http://www.rprogress.org/soul/soul.pdf>

Loh, Penn. "A New Vision for Environmentalism," paper for Ford Foundation's EJ Second Generation Leadership Exploration, October 2004. Available at class site: <http://blackboard.tufts.edu>

Jones, Van, "The New Environmentalists," *Colorlines*, July/August 2007, available at: <http://www.colorlines.com/printerfriendly.php?ID=230>

Optional Readings

Shellenberger, Michael and Ted Nordhaus. "The Death of Environmentalism." Breakthrough Institute. October 2004. Available at:

http://www.thebreakthrough.org/images/Death_of_Environmentalism.pdf#search=%22death%20of%20environmentalism%22

Matsuoka, Martha, "Building Healthy Communities From the Ground Up: Environmental Justice in California," 2003, pp. 1-2, 9-23. available at: <http://www.environmentalhealth.org/BuildingHealthyCommunities.htm>

Death of Environmentalism Responses from Grist:

<http://www.grist.org/news/maindish/2005/01/13/doe-intro/> and <http://www.grist.org/comments/dispatches/2005/02/22/elp/>

Week 13: Dec 11. Student Project Presentations

- *Final group project presentations.*
- *Final opinion papers due.*