

Geography 629 -Spring 2013

Dr. Wendy Jepson
Department of Geography
CSA 201C, Texas A&M University
Email: wjepson@tamu.edu
Office Hours: TBA, or by appointment

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CSA 302, Tues 5:30-8:30



Course Description

This course explores the broad sub-field of cultural and political ecology. For the purposes of this course, we define political ecology as the study of unequal control and access of natural resources. Cultural ecology focuses on human-environment interactions, with particular attention to the social meanings of resources in the context of sustainable development and conservation processes. During this course, we will explore many theoretical and methodological approaches to cultural and political ecology as geographers have sought to broaden the impact of the field. We also look to other disciplines whose work has influenced cultural and political ecology in geography. The course material covers a range of topics in order to give students breadth of knowledge about the foundations of current debates and potential future directions.

This course aims to guide students through critical debates that frame scholarship in political ecology. It traverses the history of ideas about relationships between humans, nature and environmental change, while emphasizing the important geographic contributions to this body of thought. The course begins by exploring the definitions of cultural and political ecology. We will trace the intellectual history of cultural and political ecology through environmental determinism and hazards research. Our seminar will explore examine ideas about nature, nature/society relations, and environment/development theory, with attention to key debates and empirical studies that continue to inform current research. We will also cover the theoretical perspectives that structure current debates, including ideas about: Green Marxism, post-structuralism, feminism, contested epistemologies, and neoliberalism. The final weeks will include reading and discussion on frontiers in the sub-field, including biopolitics, political ecology of health and food, and urban political ecology.

Learning Outcome

Students will be able to discuss, engage, and debate in written and oral form the major controversies, findings, theoretical frameworks, key ideas and methods in cultural and political ecology.

Course Format

This course will be conducted at an advanced level. I expect students to come to class sessions prepared to discuss the readings in depth. Individual students will take responsibility for presenting a review of readings to the class and for facilitating group discussion with the instructor. Student facilitators will prepare both written and oral reviews of readings. (See details in course requirements)

There will be some lecturing, and I will be ready at any time to answer questions and/or define terms that are troubling anyone about the readings, their themes or their implications. But I expect students who have questions to have made sufficient effort outside of class to inform himself or herself. If you are unfamiliar with key theoretical concepts in the social sciences, I recommend that you have a copy of *The Dictionary of Human Geography* as a key reference.

Required Reading & Materials

The syllabus represents only a fraction of significant work in cultural and political ecology; further reading is imperative for serious students and doctoral students in the human-environment research group.

- Bakker, K. J. 2010. *Privatizing water: governance failure and the world's urban water crisis*. Cornell University Press.
- Guthman, J. (2011) *Weighing in: Obesity, Food Justice and the Limits of Capitalism*. Berkeley: UC Press
- Lemke, T. (2012) *Biopolitics: An Advanced Introduction*. (New York: NYU Press)
- Loftus, A. (2012) *Everyday Environmentalism: Creating an Urban Political Ecology* (Minneapolis: University of Minnesota)
- Robbins, P. (2011) *Political Ecology*, 2nd Ed. New York, John Wiley Publishers
- Robbins et. al. (2012) *Global Political Ecology*. New York, Routledge
- Smith, N. (2012 [1984]). *Uneven Development: Nature, Capital, and the Production of Space* (Athens: University of Georgia Press)
- Journal articles and book chapters will be made available on Blackboard (E-learning)

Because the discussion of readings forms the core of the course, assignments must be read before coming to class. We may not get to all readings in every class, but we will always discuss those indicated as required.

Course Requirements & Assessment

Critical Reviews (25% Final Grade). Each student will be responsible for **five reviews**. At least three must be turned in before Spring Break with the remainder completed by **30 April 2013**. Each review will include:

- a minimum of 2 paragraphs that summarize the article;
- important quotes from the article (cited with page numbers);
- a minimum one paragraph critique;
- A list of questions to stimulate discussion.

It is more important for the review to stimulate ideas and discussion than for it to be the correct interpretation of the work. It is also more important for it to be easily comprehended than to be jammed with complex details. If there is something that you do not understand, try to explain what that something is, and why you are not clear about it. Go beyond “I don’t get it” and try to specify what is confusing you.

Publish your review on E-Learning by **NOON MONDAY before it will be discussed in class (TUESDAY)**. Reviews do not stand as a substitute for in-depth readings by all class members.

Participation (20% Final Grade). All students are expected to be in class every day, prepared to participate and discuss. You will be graded on participation. Participation involves more than simply showing up. It entails contributing to discussion with thoughtful comments and questions about the material. You will be evaluated on your contributions to each class.

For further information on the Texas A&M University attendance policy refer to <http://student-rules.tamu.edu/rule7.htm>

Book Review (15% Final Grade). All students will write a book review of Julie Guthman’s book *Weighing in: Obesity, Food Justice and the Limits of Capitalism*. Please refer to the TAMU Writing Center for guidance. Should you need further assistance, please consult the following handout on writing book reviews:

<http://writingcenter.unc.edu/handouts/book-reviews/>. The book review will be due **30 April 2013**

Research Paper (40%). A 20-25 page research paper is required for students. You will select the topic, but you are required to discuss your topic with me before Week 3. The topic must be clearly related to the course, but I encourage you to use the opportunity to develop your own research interests. The research paper will be due on **30 April 2013**

The topic should be a critical evaluation of an issue that arises out of the literature (and its extensions) that we have discussed. Identify a theme early in the paper and then use the text of the paper to explore perspectives on the theme, come to judgments about the alternative perspectives, and present your own analysis of the issue. The tone should be critical; the style and language scholarly. The literature should be well reviewed and referenced. The bibliography should go well beyond the course readings.

Use Chicago Style for your bibliography. The following website offers some basic guidance on writing a literature review should you need assistance: <http://library.ucsc.edu/ref/howto/literaturereview.html>. I am also available to help.

Classroom Policies

Graduate level discussion involves taking risks with ideas, questions, and insights. For this reason it is imperative that we all behave respectfully towards others. TAMU is committed to providing an educational and work climate that is conducive to the personal and professional development of each individual. See <http://student-rules.tamu.edu>

Academic integrity and Plagiarism. I will not tolerate any form of dishonesty, cheating or plagiarism. The Aggie Honor Code is: "An Aggie does not lie, cheat, or steal or tolerate those who do."

Please refer to the Aggie Honor Code and Honor Council Rules and Procedures on the web at <http://www.tamu.edu/aggiehonor> . Simply put, do not do it! In this course, you are expected to do your own, original work that has not been previously submitted for credit. If you have additional questions or concerns about academic integrity, please bring these to my attention.

As commonly defined, plagiarism consists of passing off as one's own the ideas, words, writings, etc., which belong to another. In accordance with this definition, you are committing plagiarism if you copy the work of another person and turn it in as your own, even if you should have the permission of that person. Plagiarism is one of the worst academic sins, for the plagiarist destroys the trust among colleagues without which research cannot be safely communicated. If you have any questions regarding plagiarism, please consult the latest issue of the Texas A&M University Student Rules, <http://studentrules.tamu.edu/>, under the section "Scholastic Dishonesty."

Students with Disabilities The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities in Room B118 of Cain Hall. The phone number is 845-1637. <http://studentlife.tamu.edu/>

Copyrights All course materials are copyrighted. These materials include but are not limited to syllabi, quizzes, exams, lab problems, in-class materials, review sheets, and additional problem sets. Because these materials are copyrighted, you do not have the right to copy the handouts, unless permission is expressly granted. Taping and reproducing of course material for other than personal use will be regarded as copyright infringement and referred to University lawyers for action. Before tape recording, ask me first. Professional note-takers must be enrolled in this course (university policy) and receive my permission prior to any commercial transaction involving course notes (state law).

Course Readings

Week 1 – Cultural Ecology – Origins, Systems Theory, and Adaptation

Required Reading

- Denevan, W. (1983) Adaptation, variation, and cultural geography. *The Professional Geographer*, 35, 399-407.
- Grossman, L. (1977) Man-environment relationships in Anthropology and Geography. *Annals of the Association of American Geographers*, 67, 126-144.
- Netting, R. 1993. "Prologue: An Ethnological Essay in Practical Reason" in *Smallholders, Housholders: Farm Families and The Ecology of Intensive, Sustainable Agriculture*. Stanford: Stanford University Press.
- Robbins, P. (2012) Political Ecology (Introduction; Chapters 1 and 2)
- Stoddart, D. R. (1965) Geography and the ecological approach. The ecosystem as a geographic principle and method. *Geography*, 242-251.
- Zimmerer, K. S. (2002) Common field agriculture as a cultural landscape of Latin America: development and history in the geographical customs of resource use. *Journal of Cultural Geography*, 19, 37-63.

Suggested Reading

- Barrows, H. H. (1923) Geography as human ecology. *Annals of the Association of American Geographers*, 13, 1-14.
- Coomes, O. T. (1992) Blackwater rivers, adaptation, and environmental heterogeneity in Amazonia. *American Anthropologist*, 94, 698-701.
- Denevan, W. M. 2003. *Cultivated landscapes of native Amazonia and the Andes*. Oxford University Press, USA.
- Grossman, L. (1981) The cultural ecology of economic development. *Annals of the Association of American Geographers*, 71, 220-236.
- Rappaport, R. A. (1967) Ritual regulation of environmental relations among a New Guinea people. *Ethnology*, 6, 17-30.
- Nietschmann, B. Q. 1973. *Between Land and Water: The Subsistence Ecology of the Miskito Indians, Eastern Nicaragua*. New York: Seminar Press.
- Turner, I. (1989) The Specialist–Synthesis Approach to the Revival of Geography: The Case of Cultural Ecology. *Annals of the Association of American Geographers*, 79, 88-100.
- Zimmerer, K. S. (1994) Human geography and the "new ecology": The prospect and promise of integration. *Annals of the Association of American Geographers*, 84, 108-125.
- Vayda, A. P. (1983) Progressive contextualization: methods for research in human ecology. *Human Ecology*, 11, 265-81.

Week 2 - Population and Other Hazards

Required Reading

- Davis, M. (2004) The political ecology of famine: the origins of the Third World. *Liberation Ecologies: Environment, Development, Social Movements (2nd ed.)*, London: Routledge, 48-63.
- Robbins, P. (2012), Chapter 3, 4

- Harvey, D. (1974) Population, resources, and the ideology of science. *Economic Geography*, 50, 256-277.
- Watts, M. (1983) Hazards And Crises: A Political Economy Of Drought And Famine In Northern Nigeria*. *Antipode*, 15, 24-34.
- Watts, M. (1983) On the poverty of theory: natural hazards research in context. *Interpretation of Calamity: From the Viewpoint of Human Ecology*. Allen & Unwin, Boston, 231-262.
- Wescoat, J. L. (1992) Common themes in the work of Gilbert White and John Dewey: a pragmatic appraisal. *Annals of the Association of American Geographers*, 82, 587-607.

Suggested Reading

- Malthus, T. 1998 [1798] *An Essay on the Principle of Population*. Chapters 1 and 2.
- Watts, M. (2012 [1983]) *Silent Violence: Food, Famine, and Peasantry in Northern Nigeria*. (Athens: University of Georgia Press). [classic monograph in reissue]
- White, G. F. (1985) Geographers in a perilously changing world. *Annals of the Association of American Geographers*, 75, 10-16.

Week 3 – Emergent Political Ecologies

Required Reading

- Robbins, P. (2012), Chapters 5
- Peet and Watts (1996) Introduction (“Liberation Ecologies”)
- Peet and Watts (2004) Introduction (“Liberating Political Ecology”)
- Peet et al (2011) Introduction (“Global Nature”)

Suggested Reading

- Escobar, A. (1999) After nature. *Current anthropology*, 40, 1-30.
- Vayda, A. P. & B. B. Walters (1999) Against political ecology. *Human Ecology*, 27, 167-79.
- Zimmerer, K. S. & T. J. Bassett. 2003. Approaching political ecology: Society, nature, and scale in human-environment studies. In *Political Ecology: An Integrative Approach to Geography and Environment-Development Studies*, eds. K. S. Zimmerer & T. J. Bassett, 1-25. New York: Guilford Publications.
- Zimmerer, K. S. 1996. Ecology as cornerstone and chimera in human geography. In *Concepts in Human Geography*, eds. C. Earle, K. Mathewson & M. S. Kenzer, 161-88. Lanham, MD: Rowman & Littlefield.
- (2000) The reworking of conservation geographies: Nonequilibrium landscapes and nature-society hybrids. *Annals of the Association of American Geographers*, 90, 356-69.

Week 4 – Nature

Required Reading

- Smith (2012 [1984]), Chapters 1 and 2
- Cronon, W. 1996. *Uncommon ground: Rethinking the human place in nature*. WW Norton & Company. Chapter 1 and “Trouble with Wilderness”
- Loftus (2012) Chapter 1 and 2
- Robbins (2012) Chapter 6

Suggested Reading

- R. Williams, R. 1980. *Problems in materialism and culture*. London: Verso. Chapter 3: "Ideas of nature."
- R Williams. 1973. *The Country and the city*. New York: Oxford University Press. Chapter 13: The Green Language.
- Demeritt, D. 2002. What is the 'social construction of nature'? A typology and sympathetic critique. *Progress in Human Geography* 26:767-790.

Week 5 – Marx and Nature

Required Reading

- Harvey, D. 2003. *The New Imperialism*. Oxford: Oxford University Press. (Chapter 4: "Accumulation by Dispossession")
- M. Fitzsimmons. 1989. The matter of nature. *Antipode* 21:106-120.
- O'Connor, J. (1988) Capitalism, nature, socialism a theoretical introduction *Capitalism, Socialism, and Nature*
- O'Connor, M. (1994) The second contradiction of capitalism. *Capitalism, Socialism, and Nature*
- Robbins (2012) Chapter 7

Suggested Reading

- Williams, R. 1973. *The Country and the city*. New York: Oxford University Press. (Chapters 5, 12, and 25: Town and Country, Pleasing Prospects and Cities and Countries)
- Benton, T., 1989. Marxism and Natural Limits: An Ecological Critique and Reconstruction. *New Left Review* 178, 51-86.
- D. Harvey. 1993. "The nature of environment: The dialectics of social and environmental change". *The Socialist Register*

Week 6 - Environmental degradation and conflict

Required Reading

- Blaikie, P. & H. Brookfield. 1987. *Land Degradation and Society*. New York: Routledge (selections)
- Robbins (2012) Chapters 8, 9 and 10
- Watts (2006) Violent Environments: petroleum conflict and the political ecology of rule in the Niger Delts, Nigeria In Peet and Watts (eds) *Liberation Ecologies*, Chapter 10
- Peluso, N. L. 1993. Coercing conservation: the politics of state resource control. In *The State and Social Power in Global Environmental Politics*, eds. R. D. Lipschutz & K. Conca. New York: Columbia University Press.
- Muldavin, J. S. S. (1997) Environmental degradation in Heilongjiang: policy reform and agrarian dynamics in China's new hybrid economy. *Annals of the Association of American Geographers*, 87, 579-613.

Suggested Reading

- Blaikie, P. 1985. The political economy of soil erosion in the Third World. London: Longman.
- Blaikie, P. (2008) Epilogue: Towards a future for political ecology that works. *Geoforum*, 39, 765-772.
- Blaikie, P. M. & J. S. S. Muldavin (2004) Upstream, downstream, China, India: The politics of environment in the Himalayan region. *Annals of the Association of American Geographers*, 94, 520-548.
- Neuman (2006) Chapter 7
- Hecht, S. & A. Cockburn. 1990. *The Fate of the Forest: Developers, Destroyers and Defenders of the Amazon*. New York: HarperCollins. [Classic PE monograph in reissue]
- Hecht, S. B. (1985) Environment, development, and politics: Capital accumulation and the livestock sector in eastern Amazonia. *World Development*, 13, 663-84.
- (1993) The Logic of Livestock and Deforestation in Amazonia. *Bioscience*, 43, 687-695.
- (2005) Soybeans, development and conservation on the Amazon frontier. *Development and Change*, 36, 375-404.
- Jones, S. (2008) Political ecology and land degradation: how does the land lie 21 years after Blaikie and Brookfield's Land Degradation and Society? *Geography Compass*, 2, 671-694.
- O'Connor, M. (1994) The second contradiction of capitalism.
- Peluso, N. L. 1992. *Rich Forests, Poor People: Resource Control and Resistance in Java*. Berkeley: University of California Press.
- Peluso, N. L. & M. Watts (eds) (2001) *Violent Environments*. Ithaca: Cornell University Press.
- Ribot, J. C. (1998) Theorizing access: forest profits along Senegal's charcoal commodity chain. *Development and Change*, 29, 307-341.
- Ribot, J. C. & N. L. Peluso (2003) A theory of access. *Rural Sociology*, 68, 153-181.

Week 7 - Contested Environmental Knowledge & Narratives

Required Reading

- Braun, B. 1997. "Buried Epistemologies: The Politics of Nature (Post)colonial British Columbia" *Annals of the Association of American Geographers* 87: 3-31.
- (1995) False forest history, complicit social analysis: rethinking some West African environmental narratives. *World Development*, 23, 1023-1035.
- Forsyth, T. (2012) "Politicizing Environmental Explanations: What Can Political Ecology Learn from Sociology and Philosophy of Science" in Goldman et al, *Knowing Nature* (Chicago: University of Chicago Press)
- Robbins. 2004. *Political Ecology*. Chapter 6

Suggested Reading

- Birkenholtz, T. 2008. Contesting Expertise: The politics of environmental knowledge in northern Indian groundwater practices. *Geoforum*. 39:466-482.
- Escobar, Arturo 1998. "Whose knowledge, whose nature? Biodiversity, conservation, and the political ecology of social movements" *Journal of Political Ecology*, 5: 53-82.
- Fairhead, J. & M. Leach (1995) False forest history, complicit social analysis: rethinking some West African environmental narratives. *World Development*, 23, 1023-1035.
- . 1996. *Misreading the African Landscape: Society and Ecology in a Forest-Savanna Mosaic*. Cambridge, UK: Cambridge University Press.

- . 1998. *Reframing Deforestation: Global Analysis and Local Realities: Studies in West Africa*. London: Routledge.
- Goldman, M et al (2012) *Knowing Nature: Conversations at the Intersection of Political Ecology and Science Studies* (Chicago: University of Chicago Press)
- Robbins, P. (1998) Paper forests: Imagining and defending exogenous ecologies in arid India. *Geoforum*, 29, 69-86.
- Robbins, P. (2006) The politics of barstool biology: environmental knowledge and power in greater Northern Yellowstone. *Geoforum*, 37, 185-199.

Week 8 - Feminist Political Ecologies

Required Reading

- Robbins. 2004. Political Ecology. Chapter 9
- Carney, J. "Gender Conflict in Gambian Wetlands", in Peet and Watts.
- Laurie, N. Establishing Development Orthodoxy: Negotiating Masculinities in the Water Sector. *Development and Change*. 36 (3): 527-549.
- Mollett, S. & C. Faria (2012) Messing with gender in feminist political ecology. *Geoforum*.
- Elmhirst, R. (2011) Introducing new feminist political ecologies. *Geoforum*, 42, 129-132.

Suggested Reading

- Moeckli, J. and B. Braun 2001. Gendered Natures: Feminism, Politics, and Social Nature. In *Social Nature: Theory, Practice, and Politics*. N. Castree and B. Braun. London, Blackwell: 112-132.
- Sultana, F. 2009. Fluid Lives: subjectivities, gender and water in rural Bangladesh. *Gender, Place and Culture* 16 (4):427-444.
- Elmhirst, R. (2011) Migrant pathways to resource access in Lampung's political forest: Gender, citizenship and creative conjugality. *Geoforum*, 42, 173-183.
- D Haraway. 1991. *Simians, Cyborg, and Women: The Reinvention of Nature*. New York: Routledge. Chapter: "Situated Knowledges: The science question in feminism and the privilege of partial perspective"
- Harris, L. M. (2006) Irrigation, gender, and social geographies of the changing waterscapes of southeastern Anatolia. *Environment and Planning D*, 24, 187.
- (2009) Gender and emergent water governance: comparative overview of neoliberalized natures and gender dimensions of privatization, devolution and marketization. *Gender, place and culture*, 16, 387-408.
- O'Reilly, K. (2006) "Traditional" women, "modern" water: Linking gender and commodification in Rajasthan, India. *Geoforum*, 37, 958-972.
- (2011) 'They Are Not of This House': The Gendered Costs of Drinking Water's Commodification. *Economic & Political Weekly*, 46, 49.
- Rocheleau, D. (1995) Maps, Numbers, Text, and Context: Mixing Methods in Feminist Political Ecology*. *The Professional Geographer*, 47, 458-466.
- Rocheleau, D. & D. Edmunds (1997) Women, men and trees: Gender, power and property in forest and agrarian landscapes. *World Development*, 25, 1351-1371.
- Rocheleau, D., B. Thomas-Slayter & E. Wangari (1996) Feminist political ecology: Global perspectives and local expressions. *New York: Roudedge*.
- Schroeder, R. A. (1993) Shady practice: Gender and the political ecology of resource stabilization in Gambian garden/orchards. *Economic Geography*, 69, 349-65.
- . 1999. *Shady Practices: Agroforestry and Gender Politics in the Gambia*. Berkeley: University

- of California Press.
- Sultana, F. (2010) Living in hazardous waterscapes: Gendered vulnerabilities and experiences of floods and disasters. *Environmental Hazards*, 9, 43-53.
- Truelove, Y. (2011) (Re-) Conceptualizing water inequality in Delhi, India through a feminist political ecology framework. *Geoforum*, 42, 143-152.

Week 9 - Spring Break

Week 10 - Scale in Political Ecology

Required Reading

- Brewer, J.F. 2012. "Revisiting Maine's lobster commons: rescaling political subjects." *International Journal of the Commons* no. 6 (2):319-343.
- Smith, N. (2012 [1984]). *Uneven Development: Nature, Capital, and the Production of Space* (Athens: University of Georgia Press) (Chapters 5, 6 and Afterwards)
- Neumann, R.P. 2009. "Political ecology: Theorizing scale." *Progress in Human Geography* 33 (3):398-406.
- Swyngedouw, E. (2007) Technonatural revolutions: the scalar politics of Franco's hydro-social dream for Spain, 1939–1975. *Transactions of the Institute of British Geographers*, 32, 9-28.

Suggested Reading

- Christopher Brown, J., and M. Purcell. 2005. "There's nothing inherent about scale: political ecology, the local trap, and the politics of development in the Brazilian Amazon." *Geoforum* no. 36 (5):607-624.
- Cohen, A. 2012. "Rescaling environmental governance: watersheds as boundary objects at the intersection of science, neoliberalism, and participation." *Environment and Planning-Part A* no. 44 (9):2207.
- Swyngedouw, E., and N.C. Heynen. 2003. "Urban political ecology, justice and the politics of scale." *Antipode* 35 (5):898-918.
- Water Alternatives* (Special Issue 2011)
- Zimmerer, K. S. (2000) Rescaling irrigation in Latin America: The cultural images and political ecology of water resources. *Ecumene*, 7, 150-75.

Week 11- Neoliberal Nature I - Accumulation by Dispossession

Required Reading

- Bakker, K. 2010. *Privatizing Water: Governance Failure and the World's Urban Water Crisis* (Ithaca: Cornell University Press), Chapters 1, 2, 3, 4
- Heynen, N. & P. Robbins (2005) The neoliberalization of nature: Governance, privatization, enclosure and valuation. *Capitalism Nature Socialism*, 16, 5-8.
- McCarthy, J. and Prudham, S. 2004. Neoliberal nature and the nature of neoliberalism. *Geoforum*. 35:275-283

Suggested Reading

- Castree, N. 2006. Commentary: From neoliberalism to neoliberalisation: Consolations, confusions, and necessary illusions. *Environment and Planning A*. 34:759-766.
- Harris, Leila. 2009. Gender and emergent water governance: comparative overview of neoliberalized natures and gender dimensions of privatization, devolution and marketization. *Gender, Place and Culture* 16 (4):387-408.
- Liverman, D. 2004. Who governs, at what scale and at what price? Geography, environmental governance, and the commodification of nature. *Annals of the Association of American Geographers*. 94(4):734-738
- Mansfield, B. 2007. Articulation between neoliberal and state-oriented environmental regulation: fisheries privatization and endangered species protection. *Environment and Planning A*. 39:1926-1942
- Peck, Jamie, and Adam Tickell. 2002. Neoliberalizing spaces. *Antipode* 34:380-404.
- Prudham, S. 2004. Poisoning the well: neoliberalism and the contamination of municipal water in Walkerton, Ontario. *Geoforum*. 35:343-359.

Week 12 - Neoliberal Nature II - Unpacking Ecosystem Services

Required Reading

- Lave, R. (2012) Bridging Political Ecology and STS: A Field Analysis of the Rosgen Wars. *Annals of the Association of American Geographers*, 102, 366-382.
- Dempsey, J. & M. M. Robertson (2012) Ecosystem services: Tensions, impurities, and points of engagement within neoliberalism. *Progress in Human Geography*.
- Robertson, M. (2011) Measurement and alienation: Making a world of ecosystem services. *Transactions of the Institute of British Geographers*.
- Robertson, M. M. (2004) The neoliberalization of ecosystem services: wetland mitigation banking and problems in environmental governance. *Geoforum*, 35, 361-373.

Suggested Reading

- Kosoy, N. & E. Corbera (2010) Payments for ecosystem services as commodity fetishism. *Ecological Economics*, 69, 1228-1236.
- McAfee, K. (2012) The contradictory logic of global ecosystem services markets. *Development and Change*, 43, 105-131.
- (2012) Nature in the Market-World: Ecosystem services and inequality. *Development*, 55, 25-33.
- McAfee, K. & E. N. Shapiro (2010) Payments for ecosystem services in Mexico: nature, neoliberalism, social movements, and the state. *Annals of the Association of American Geographers*, 100, 579-599.
- Milne, S. & B. Adams (2012) Market Masquerades: Uncovering the Politics of Community-level Payments for Environmental Services in Cambodia. *Development and Change*, 43, 133-158.
- Osborne, T. M. (2011) Carbon forestry and agrarian change: access and land control in a Mexican rainforest. *Journal of Peasant Studies*, 38, 859-883.
- Robertson, M. (2012) Renaturing the Economy. *The Wiley-Blackwell Companion to Economic Geography*, 372-384.
- Robertson, M. M. (2006) The nature that capital can see: science, state, and market in the commodification of ecosystem services. *Environment and Planning D*, 24, 367.

Wynne-Jones, S. (2012) Negotiating neoliberalism: Conservationists' role in the development of payments for ecosystem services. *Geoforum*, 43, 1035-1044.

Week - 13 Neoliberal Nature III - Sympathetic Critiques

Required Reading

- Bakker, K. (2010) The limits of 'neoliberal natures': Debating green neoliberalism. *Progress in Human Geography*, 34, 715-735.
- Bakker, K. & G. Bridge (2006) Material worlds? Resource geographies and the matter of nature'. *Progress in Human Geography*, 30, 5-27.
- Bakker, K. 2010. *Privatizing Water: Governance Failure and the World's Urban Water Crisis* (Ithaca: Cornell University Press), Chapters 5, 6, and 7
- Loftus (2012) Chapter 3

Suggested Reading

- Castree, N. (2008) Neoliberalising nature: the logics of deregulation and reregulation. *Environment and planning. A*, 40, 131.

Week 14 - Biopolitics

Required Reading

- Lemke, T. (2012) *Biopolitics: An Advanced Introduction* (New York: NYU Press)
- King, B. (2010) Political ecologies of health. *Progress in Human Geography*, 34, 38-55.
- Mansfield, B. (2011) Health as a nature–society question. *Environment and Planning A*, 40, 1015-1019.

Suggested Reading

- Foucault, M. (2012) *The Birth of Biopolitics*. (new translation)
- Mansfield, B. (2012) Environmental Health as Biosecurity: "Seafood Choices," Risk, and the Pregnant Woman as Threshold. *Annals of the Association of American Geographers*, 102, 969-976.
- Mansfield, B. (2012) Gendered biopolitics of public health: regulation and discipline in seafood consumption advisories. *Environment and Planning-Part D*, 30, 588.
- Mansfield, B. (2012) Race and the new epigenetic biopolitics of environmental health. *BioSocieties*.

Week 15 – Political Ecology of Health and Food

Required Reading

- Guthman, J. 2011. *Weighing In: Obesity, Food Justice, and the Limits of Capitalism* (Berkeley, University of California Press)

Suggested Reading

- Sultana, F. (2012) Producing Contaminated Citizens: Toward a Nature–Society Geography of Health and Well-Being. *Annals of the Association of American Geographers*, 102, 1165-

1172.

- Guthman, J. & B. Mansfield (2012) The implications of environmental epigenetics A new direction for geographic inquiry on health, space, and nature-society relations. *Progress in Human Geography*.
- Hayes-Conroy, J. & A. Hayes-Conroy (2011) Veggies and visceralities: A political ecology of food and feeling. *Emotion, Space and Society*.
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Week 16 – Urban Political Ecology

Required Reading

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