

University of Montana

ScholarWorks at University of Montana

University of Montana Course Syllabi

Open Educational Resources (OER)

Spring 2-1-2010

PSC 324.01: Sustainable Climate Policies - China and the USA

Peter Koehn

University of Montana - Missoula, peter.koehn@umontana.edu

Follow this and additional works at: <https://scholarworks.umt.edu/syllabi>

Let us know how access to this document benefits you.

Recommended Citation

Koehn, Peter, "PSC 324.01: Sustainable Climate Policies - China and the USA" (2010). *University of Montana Course Syllabi*. 7014.

<https://scholarworks.umt.edu/syllabi/7014>

This Syllabus is brought to you for free and open access by the Open Educational Resources (OER) at ScholarWorks at University of Montana. It has been accepted for inclusion in University of Montana Course Syllabi by an authorized administrator of ScholarWorks at University of Montana. For more information, please contact scholarworks@mso.umt.edu.

Sustainable Climate Policies: China and the USA
PSCI 324 (3) On-line
Spring 2010
Professor Peter Koehn

PSCI 324 is one of the core “society” courses available to students who minor in Climate Change Studies. Interested students who are not CCS minors also are welcome on a class-availability basis.

RECOMMENDED PRE- (or CO-) REQUISITE: Climate Change: Science and Society (CCS203) or background concerning the science and society issues that surround climate change.

COURSE DESCRIPTION & OBJECTIVES

Sustainable Climate Policies: China and the USA explores the contributions of the United States and China to global climatic change, the reasons why both nation-states are the world’s two largest emitters of greenhouse gases, the future vulnerabilities of both countries to climatic change, prevailing national and subnational government policies that affect emission levels, the roles of NGOs and individuals, and climatic-stabilization alternatives. The course includes attention to useful and practical sustainable-climate policy approaches in China and the USA. Issue-bundling and policy-framing strategies are considered in depth. Emerging and prospective partnerships among multilevel governments, NGOs, and communities will be explored.

Working individually and in teams, with feedback and source suggestions from the instructor, students will propose, outline, draft, revise, finalize, and defend creative local, regional, national, or transnational GHG-mitigation policies involving China and the USA. One important outcome of these exercises will be deeper understanding of the constraints and possibilities involved in developing sustainable climate policies in the two countries.

COURSE LEARNING OUTCOMES

By the end of this course, students should have achieved the following:

- gained comparative understanding of government policy-making processes and positions that affect climate-change mitigation in China and the United States
- be able to discern current and potential interests and roles of domestic and transnational nonstate actors with respect to climate mitigation
- be able to identify the principal constraints on and opportunities for policy change – particularly at the subnational level – in China and the United States
- gained insight regarding ways to influence climate-mitigation-policy outcomes in both countries
- be able to design an emission-mitigation-policy proposal for China and the United States
- be able to develop a PowerPoint presentation that captures the essence of your policy proposal

ANNOUNCEMENTS

Announcements are available on the welcome page of our course website. I frequently post announcements regarding assignments, new ideas or developments, problems with websites, technical issues, suggestions, questions, etc. I recommend that you access announcements at least weekly. After seven days, Blackboard removes current announcements from the opening page. However, you can read all announcements throughout the semester by clicking on "View Last 7 days," "View Last 30 days," or "View All."

[Type text]

ASSESSMENT

Quizzes 2 x 100 = 200 points

Policy Debate participation 2 x 100 = 200 points

Threaded Group Discussion participation = 100 points

Team policy paper (China) & on-line presentation = 250 points

Individual policy paper (U.S.) & on-line presentation = 250 points

TOTAL POSSIBLE = 1000 points

- See assignment guidelines posted under “Assignments” on our course website.
- Regularly check the due dates specified on this syllabus.
- You are required to take two quizzes via Blackboard. The quiz dates are specified on this syllabus. Each quiz is available from Thursday to Sunday. You can log in any time during the four-day window. Once you log in, you have 50 minutes to complete the quiz. The quizzes consist of multiple-choice questions based on the required reading for this course.
- Your virtual presentations serve to support learning by helping you focus on important ideas, concepts, and issues.

CONNECTING LEARNING OUTCOMES, ASSIGNMENTS, & ASSESSMENTS

Course Learning Outcome 1	Assignments	Assessments
Understanding of government policy-making processes and positions that affect climate-change mitigation in China and the United States	Required reading for Jan 25-29	First Quiz
	Required reading for Feb 1-5	Participation in threaded group discussions 1, 2, 4
	Required reading for Feb 8-12	Team policy paper (China)
	Required reading for Feb 19-26	Individual policy paper (U.S.)

Course Learning Outcome 2	Assignment	Assessments
Discern current and potential interests and roles of domestic and transnational nonstate actors with respect to climate mitigation	Required reading for March 2-6	Second Quiz
	Required reading for Feb 16-18	Participation in threaded group discussions 3, 5
		Team policy paper (China)
		Individual policy paper (U.S.)

Course Learning Outcome 3	Assignments	Assessments
Identify the principal constraints on and opportunities for policy change – particularly at the subnational level – in China and the United States	Required reading for March 8-12	Participation in first debate
		Second quiz
	Required reading for March 15-18	Participation in threaded group discussion 6
	Required reading for March 22-26	Team policy paper (China)

[Type text]

	Consult & coordinate with all team members	Individual policy paper (U.S.)
--	--	--------------------------------

Course Learning Outcome 4	Assignments	Assessments
Insight regarding ways to influence climate-mitigation policy outcomes in both countries	Required reading for March 22-26	Participation in second debate
	Required reading for April 5-9	Participation in threaded group discussion 7
	Consult & coordinate with all team members	Team policy paper (China)
		Individual policy paper (U.S.)

Course Learning Outcome 5	Assignments	Assessments
Design an emission-mitigation policy proposal for China and the United States	All required reading	Team policy paper (China)
	Optional reading ("project resources")	Individual policy paper (U.S.)
	Independent research	

Course Learning Outcome 6	Assignments	Assessments
Develop a PowerPoint presentation that captures the essence of your policy proposal	All required reading	Team PowerPoint (China)
	Optional reading ("project resources")	Individual PowerPoint (U.S.)
	Independent research	

The grading rubric for each assessment is presented in conjunction with the detailed discussion found under "assignments" on the course website.

REQUIRED READING

All assigned reading can be accessed via electronic reserve (password = psci324).

INTRODUCTIONS

Introduce yourself via Cyber Café (under Discussion Board) by 27 January.

COURSE OUTLINE

Jan 25-29 **Introduction and Scavenger Hunt**

Reading assignment:

Knell & Tosun, "Policy Making," pp. 496-506 (2008)

Feb 1-5¹ **China & the USA:**

Past, Current, Future, and Per Capita GHG Emissions

Principal Origins of Anthropogenic GHG Emissions

¹ Readings for first threaded group discussion

[Type text]

Climatic Change Vulnerabilities & Costs

Reading assignment:

Koehn, "Chinese Perspectives on International Climate Policy & GHG Emissions Mitigation" Part I (2008) ppt

Rosenthal, "Booming China Leads World in Emissions of CO₂, Study Finds," *New York Times*, 14 June 2008, p. A5

Mouawad, "Gloomy Energy Report Sets Stage for Climate Negotiations" (2009)

Borenstein, "Carbon Pollution Up Despite Economy" (2009)

Feb 8-12² Prevailing National Government Perspectives & Policies in China & the USA

Mitigation mandates

Sustainable Development

Assessing emissions

Per capita v. gross

Past v. current/projected

Copenhagen Accord

Reading assignment:

Friedman, "Can Red China Become Green China?" (2008)

Bradsher, "Green Power Takes Root in China" (2009)

Brown, *Plan B 3.0*, pp. 13-14 (2008)

Koehn, "Chinese Perspectives on International Climate Policy & GHG Emissions Mitigation" Part II (2008) ppt

Broder & Ansfield, "China & US in Cold-War Like Negotiation for a Greenhouse Gas Truce" (2009)

Max, "Experts: US, China Cuts Not Enough" (2009)

Roberts & Parks, *A Climate of Injustice: Global Inequity, North-South Politics, and Climate Policy* (2007), pp. 23-24, 144-146.

Jinnah, et al., "Tripping Points" (2009)

Pew Center for Global Climate Change, "Summary of Copenhagen Climate Accord" (2009)

Heinrich, "Clear-cutting the Truth about Trees" (2009)

Feb 15 Presidents' Day Holiday

Feb 16-19³ Campus Climate Policy (Erica Bloom, ASUM Sustainability Coordinator)

Reading assignment:

Page, Mark. 2008. "UM Measures Carbon Footprint." *Missoulian*, 18 September, p. B1.

www.umt.edu/urelations/greenhouse.html

American College & University Presidents Climate Commitment:

<http://www.presidentsclimatecommitment.org/html/commitment.pdf>

ACUPCC Implementation Guide:

http://www.presidentsclimatecommitment.org/pdf/ACUPCC_IG_Final.pdf

² Readings for second threaded group discussion

³ Readings for third threaded group discussion

[Type text]

Feb 22-26⁴ **Subnational Government Positions, Policies, & Practices**

China: Provincial & Local Governments

USA: State & Local Governments

Reading assignment:

Economy, "Environmental Enforcement in China" (2005), pp. 102-112

Rabe, "Second-generation Climate Policies in the States" (2009), pp. 67-69, 73

Toly, "Transnational Municipal Networks in Climate Politics" (2008)

Koehn, "Climate Policy & Action 'Underneath' Kyoto and Copenhagen" (forthcoming 2010)

Feb 27-March 2 First Quiz (25 January – 26 February readings)

New Threaded Discussion Groups

March 2-6 **Domestic and Transnational Nongovernment Players: Current and Prospective Roles**

Reading Assignment:

Koehn, "Sustainable Development Frontiers & Divides: Transnational Actors and US/China Greenhouse Gas Emissions" (2004)

Wray, *Pedal Power*, pp. 105-127, 130, 168-170 (2008)

Koehn, "Fitting a Vital Linkage Piece into the Multidimensional Emissions-Reduction Puzzle: Nongovernmental Pathways to Consumption Changes in the PRC and the USA" (2006)

March 2-6 **Climatic-stabilization Alternatives for China & the USA**

Energy alternatives

Consumption alternatives

Transportation alternatives

Reuse/Disposal alternatives

Reading assignment:

Brown, *Plan B 3.0*, pp. 239-252 (2008)

Wen, Hua, Wang, and Singh, "Wind Power Generation in China" (2008)

Bradsher, "China Far Outpaces US in Building Clean Coal-fired Plants" (2009)

Galbraith, "Solar Meets Polar as Winter Curbs Clean Energy" (2008)

Princen, Maniates, & Conca, "Confronting Consumption" (2002), pp. 1-20

Brown, *Plan B 3.0*, pp. 198-201 (2008)

Wray, *Pedal Power*, pp. 205-209, 214-220

Yardley, "Bicycle Commuter Tax Credit," *New York Times*, 1 October 2008, p. A 15

Koehn, "Back to the Future: Bicycles, Human Health, and Greenhouse Gas Emissions in China" (2007)

March 5-11 1st debate

March 15-18 **Envisioning Climatic-stabilization Policies for China & the USA**

Effect

Sustainability

Feasibility

Ethical Principles

Motivating Principles

Reading assignment:

Najam, "The View from the South" (2005), pp. 234-240

⁴ Readings for fourth threaded group discussion

[Type text]

Agarwal, "A Southern Perspective on Curbing Global Climate Change" (2002), pp. 375-378, 384-388
Selin & VanDeveer, "Political Science & Prediction: What's Next for U.S. Climate Change Policy?"
(2007), pp. 18-21

Review Koehn, "Nongovernmental Pathways to Consumption Changes in the PRC and the USA," 62-72

March 18-21 Second Quiz (2 March – 18 March readings)

March 22-26⁵ Policy Change: Constraints, Opportunities, & Prospects in China & the USA; China-U.S. Collaboration & Partnerships

Reading assignment:

Tan, "Dynamics of Policy Change in China: A Case Study of the Renewable Energy Law" (2007), 63-68

Lu & Gill, "Assessing China's Response to the Challenge of Environmental Health" (2007)

Bradsher, "Miles to Go in China" (2009)

Selin & VanDeveer, "North American Climate Governance" (2009), pp. 318-324

Pew Research Center, "Global Warming Seen as a Major Problem Around the World: Less Concern in the US, China, & Russia" (2009)

Dreyer, "Sino-American Energy Cooperation" (2007), pp. 472-475

Bradsher, "US & China Agree to Study Ways to Make Buildings More Energy Efficient" (2009)

March 29-April 2 Spring Break

April 5-9⁶ Issue-bundling and Policy-framing Strategies

Reading assignment:

Review Koehn, "Climate Policy & Action 'Underneath' Kyoto and Copenhagen"

Chiu, et al., "Breathing Better: Linking Energy and GHG Reduction to Health Benefits in China" (2007)

Weller & Bol, "From Heaven-and-Earth to Nature: Chinese Concepts of the Environment and Their Influence on Policy Implementation" (1998)

April 9-15 2nd debate

Brown, *Plan B 3.0*, pp. 267-276 (2008)

Friedman, "What Kind of Price Signal?" (2008), pp. 261-266

Broder, "House Bill for a Carbon Tax Faces Steep Climb" (2009)

April 9 Team Projects Outline due

April 12-May 10 Research and project preparation period

April 12-April 22 Team National or Subnational Mitigation-policy Projects: PRC

April 16 Deadline for submission of Team Project drafts

April 23 Team Project paper and powerpoint due

April 26-May 7 Individual Subnational Mitigation-policy Projects: USA

April 30 Individual Project Outline due

May 10 Individual Project paper and powerpoint due

⁵ Readings for fifth threaded group discussion

⁶ Readings for sixth threaded group discussion

[Type text]

Formula for Calculating Final Grade in P Sci 324

A = 934-1000 total points
A- = 900-933 total points
B+ = 867-899 total points
B = 834-866 total points
B- = 800-833 total points
C+ = 767-799 total points
C = 734-766 total points
C- = 700-733 total points
D+ = 667-699 total points
D = 634-666 total points
D- = 600-633 total points
F = below 600 points

Grading Policy: Late team/individual papers will be penalized by one-third of a grade (e.g., from B+ to B) for each day that passes without submission. Quizzes will be available for four days. If you fail to complete the quiz within the allotted time, your grade for that assessment will be an F. Remember that you have only one opportunity to log in for each quiz – you must make sure the computer you use will be functional for the full 50 minutes. Missed quizzes cannot be made up unless you provide a note from the doctor indicating that you were not able to complete the assignment because of sickness that covered the entire four-day period. Be sure to check the assignment schedule for quiz dates. If other team members report that a student has not assisted in preparing the team project paper, the nonparticipating student receives an F for that assignment. Reported final grades will reflect pluses and minuses. For credit/no-credit grading, students must attain an overall grade of D- or above to receive a “CR.”

- Deadlines: When managing your time to complete assignments, please be prepared that you may experience unpredictable technical difficulties. For example, your computer may freeze up or your Internet provider might not work properly at times. Technical problems are not acceptable excuses for late submission of assignments or for not completing quizzes. You need to plan extra time to complete and submit assignments online in case of technical difficulties. In addition, you need to have a *back-up plan* for taking quizzes and submitting homework online. Is there another computer you can use? Is there another place you can get online?
- Students with disabilities will receive reasonable accommodations in this online course. To request course modifications, please contact me as soon as possible. I will work with you and Disability Services in the accommodation process. For more information, visit the Disability Services website at <http://www.umt.edu/dss/> or call 406.243.2243 (Voice/Text).
- You should be aware that as a student at the University of Montana, you must practice academic honesty and are bound by the following Code of Academic Conduct: <http://www.umt.edu/studentaffairs/sccAcademicConduct.htm>
As the code explains, academic misconduct includes plagiarism, cheating, and deliberate interference with the work of others. It is the intellectual equivalent of fraud—a crime against the codes of the academy. *As an academic crime, plagiarism merits academic punishment, ranging from an F on the assignment or for the course, to suspension or expulsion from the University.*
- The 45th day of the semester is the last day to add/drop or change your grading option.

Submitting Assignments

- Please submit written work as a Microsoft Word file or Rich Text file via the links provided for specific assignments on “Assignments” page of our course website. I will not accept submissions via my email address.
- Some formats are incompatible with my computer. If your file cannot be opened for any reason, I will e-mail to ask you to re-submit it in another format. [Check your UM e-mail account regularly.](#)
- To submit an outline or draft, “send” via the Dropbox.
- To submit your final paper, click on the link provided for the specific assignment on “Assignments” page. Click on “browse” to find the Word file on your computer. Attach it to the page.

Asking Questions via E-mail

- When communicating with me via email (peter.koehn@umontana.edu), please be sure to sign your full name and mention the course title or number.
- If you have a question related to an assignment or the course, please entitle your e-mail message "Question about_____." I will respond to "question" e-mails first to ensure that you can move ahead with your work.
- Please allow 2 work days (on average) for a response from me. Sometimes I will be able to respond more quickly. Other times, for example during heavy grading times or if I am attending a conference, it may take me longer to respond. If your question is urgent, you may call me in the office (243-5294) or at home (721-4691).

Success in an Online Course

The following checklist provides some hints for completing an online course successfully. Taking online courses can be an effective way to learn, but it might take time to become accustomed to distance learning. For a self-assessment tool to determine your readiness for online learning as well as a course management system tutorial, consult <http://umonline.umn.edu/Student Info/> and <http://umonline.umn.edu/Student Info/readiness.htm>

Checklist: How to Succeed in an Online Course

1. Register early.
2. Read as many of the course assignments as possible before the class actually begins.
3. Log in to the course website several days before the class begins. That way, if you have any technical difficulties, you can work them out before the first week's assignments are due.
4. Set aside blocks of time daily and/or weekly to be "in class." Fix a schedule that includes blocks of time for reading assignments, completing homework, participating in class discussions, and taking quizzes and/or exams.
 - a. One of the biggest mistakes online students make is to “just go to class” when they have a few minutes here and there. With too many distractions around (e.g. other students or family members in the same room) is another problem. You need to “go to class” in an environment that is conducive to studying.
 - b. A good guideline for the amount of time you should spend per week is the number of credits you are taking. For a 3-credit 300-level class, you should spend 3 hours participating in class

[Type text]

activities online plus the amount of time you need for homework and reading (at least another 6 - 9 hours).

5. Participate in class discussions!
 - a. Don't do it just because you are being graded. Research shows that students who participate in class discussions learn more than those who do not.
 - b. Post timely responses to facilitators' and the instructor's questions as well as reply to classmates' responses.
6. REGULARLY check the Announcements page.
7. E-mail or call me when you need non-technical help. For technical help, contact IT Central.
8. Ask one or more students to be your study partner or form a study group.
9. Save your assignments in one easily accessible place on your computer, even after you have submitted them via the Internet. ALWAYS keep a copy.
10. Take responsibility for your own learning.
 - a. Just like a face-to-face class, you are expected to spend time completing homework, reflecting on course materials, and participating in class activities.
 - b. Avoid treating this class as a correspondence course (which requires only reading and taking quizzes). In this online course, you must be "involved."
11. Allow extra time for technological difficulties. I do not accept computer problems as an excuse for late or missing assignments.
12. Understand you will experience some dissonance about this experience. Sometimes it will be fun, other times frustrating, and sometimes both. You will feel increasingly comfortable as you become more proficient as an online student.

Technical Assistance: IT Central Help Desk E-mail: ITCentral@umontana.edu Phone: 406.243.5449

Possible Project Resources (*these are NOT on e-reserve*)

Newspaper articles can be accessed directly through the Mansfield Library's electronic holdings

Baldinger, Pamela & Turner, Jennifer. 2002. *Crouching Suspicions, Hidden Potential: U.S. Environmental & Energy Cooperation with China*, pp. 26-30, 41-47.

Barnard, Jeff. 2009. "Studies Foresee Dilemma over Forest Carbon Storage." *Missoulian*, 13 July, p. C1.

Barringer, Felicity. 2008. "Urban Areas on West Coast Produce Least Emissions Per Capita." *New York Times*, 29 May, p. A21.

Barringer, Felicity, and Galbraith, Kate. 2008. "States Aim to Cut Gases By Making Polluters Pay." *New York Times*, 16 September, p. A14.

Batson, Andrew. 2007. "Environmental Controls Take Hold: China Rejects Some Industrialization," *New York Times*, 18 December, p. D5.

Betsill, Michele & Bulkeley, Harriet. 2004. "Transnational Networks and Global Environmental Governance: The Cities for Climate Protection Program," *International Studies Quarterly* 48: 471-493.

[Type text]

- Bickerstaff, Karen, and Walker, Gordon. 2001. Public Understandings of Air Pollution: The 'Localisation' of Environmental Risk. *Global Environmental Change* 11, 133-145.
- Blumenthal and Mosteller, "Imagine No Possessions: Embracing 'Voluntary Simplicity,' Some Shed Almost Everything," *New York Times*, 17 May 2008, p. A10.
- Bradsher, Keith. 2008. "Beijing Pressures Automakers to Improve Efficiency." *New York Times*, 21 April, p. C2.
- Bradsher, Keith. 2009. "China Races Ahead of US in Drive to Go Solar." *New York Times*, 25 August, pp. A1, A3.
- Broder, John. 2009. "Obama to Toughen Rules on Emissions and Mileage." *New York Times*, 19 May, pp. A1,A3.
- Broder, John and Connelly, 2007. "Public Says Warming is a Problem, but Remains Split on Response," *New York Times*, 27 April, p. A23.
- Brown, Lester. 2008. Plan B 3.0: *Mobilizing to Save Civilization* (NY: WW Norton).
- Brownstein, Richard. 2007. "Greening of the West: Sagebrush Rebellion Giving Way to a Renewable Revolution," *Missoulian*, 11 April, p. A8.
- Casey, John. 2008. "Technology Smooths the Way for Home Wind-Power Turbines." *New York Times*, 15 April, p. D3.
- Chaney, Rob. 2008. "We've Got the Wind, but Not the Lines." *Missoulian*, 17 October, p. B1.
- Chiu, Kong, Collin Green, and Katherine Sibold. 2003. Air Quality and Greenhouse Gas Co-benefits of Integrated Strategies in China. *Sinosphere Journal* 6, No. 1 (March), 40-47.
- Cifuentes, Luis, Victor H. Borja-Aburto, Nelson Gouveia, George Thurston, and Debra L.Davis. 2001. Hidden Health Benefits of Greenhouse Gas Mitigation. *Science* 293 (17 August), 1257-1259.
- Clapp, Jennifer. 2002. The Distancing of Waste: Overconsumption in a Global Economy. In *Confronting Consumption*, edited by Thomas Princen, Michael Maniates, and Ken Conca, 155-176. Cambridge, MA: MIT Press.
- ClimateWire. Provides daily policy updates. Click on "Databases A-Z on UM Library website and find climatewire.
- Cohen, Maurie J. 2001. The Emergent Environmental Policy Discourse on Sustainable Consumption. In *Exploring Sustainable Consumption: Environmental Policy and the Social Sciences*, vol. 1, edited by Maurie J. Cohen and Joseph Murphy, 21-37. Amsterdam: Pergamon.
- Cramer, John. 2008. Hydrogen Proponent Touts Montana's Alternative Energy Bounty." *Missoulian*, 26 December, pp. B1-B2.
- Dennison, Mike. 2009. "Small Wind Projects Get better Price in Idaho." *Missoulian*, 20 September, p. B5.
- Dreyer, June. 2007. "Sino-American Energy Cooperation," *Journal of Contemporary China*.

[Type text]

- Economy, Elizabeth C. 2004. *The River Runs Black: The Environmental Challenge to China's Future*. Ithaca: Cornell University Press.
- Economy, Elizabeth C. 2005. Environmental Enforcement in China. In *China's Environment and the Challenge of Sustainable Development*, edited by Kristen A. Day, 102-120. Armonk, NY, NY: M.E. Sharpe.
- Ferris, Richard J., and Hongjun Zhang. 2005. Environmental Law in the People's Republic of China. In *China's Environment and the Challenge of Sustainable Development*, edited by Kristen A. Day, 66-101. Armonk, NY, NY: M.E. Sharpe.
- French, Howard. 2005. "In Search of a New Energy Source, China Rides the Wind." *New York Times*, 26 July, p. A4.
- Galbraith, Kate. 2008. "Personal-size Wind Power." *New York Times*, 4 September, p. C1.
- Gardiner, Stephen M. 2004. Ethics and Global Climate Change. *Ethics* 114 (April), 555-600.
- George, Carmen. 2008. "Recording Towers to Measure Missoula's Wind Potential." *Montana Kaimin*, 20 November, p. 7.
- Hale, David. 2004. China's Growing Appetites. *National Interest* 76 (Summer), 137-147.
- Halstead-Acharya, Linda. 2008. "Wind 'Rights' on the Rise in Hot Spots." *Missoulian*, 13 July, p. D1.
- Halstead-Acharya, Linda. 2009. "Wind Power Potential: Study Bumps State's Ranking to No. 2." *Missoulian*, 30 August, pp. D1, D3.
- Harris, Paul G. 2009. "Beyond Bush: Environmental politics and Prospects for US Climate Policy." *Energy Policy* 37:966-971.
- He, Dongquan. 2003. Introduction to the China Sustainable Energy Program's Transportation Program. *Sinosphere Journal* 6, No. 1 (March), 13-17.
- Ho, Mun S., and Chris P. Nielsen (eds). 2007. *Clearing the Air: The Health and Economic Damages of Air Pollution in China*. Cambridge: MIT Press.
- Hsu, Szu-chien. 2000. "International Linkage and China's Environmental Policies," *Issues & Studies* 36 (May/June):61-102.
- Johnson, Dirk. 2008. "Chicago Unveils Multifaceted Plan to Curb Emissions of Heat-Trapping Gases." *New York Times*, 19 September, p. A11.
- Khanna, Madhu, and Donna T. Ramirez. 2004. Effectiveness of Voluntary Approaches: Implications for Climate Change Mitigation. In *Voluntary Approaches in Climate Policy*, edited by Andrea Baranzini and Philippe Thalmann, 31-57. Cheltenham: Edward Elgar.
- Kline, Larry. 2008. "Helena Sees Significant Drop in Energy Usage, Emissions." *Missoulian*, 29 December, p. B6.
- Koehn, Peter H. 2008. "Underneath Kyoto: Emerging Subnational Government Initiatives and Incipient Issue-bundling Opportunities in China and the United States." *Global Environmental Politics* 8, 1 (Fall):53-77.

[Type text]

- Koplow, D. 2006. *Subsidies in the U.S. Energy Sector: Magnitude, Causes, and Options for Reform*. Cambridge: Earth Track. www.earthtrack.net
- Krugman, Paul. 2009. "An Affordable Salvation." *New York Times*, 1 May, p. A21.
- Lee, Yok-shiu F. 2005. Public Environmental Consciousness in China: Early Empirical Evidence. In *China's Environment and the Challenge of Sustainable Development*, edited by Kristen A. Day, 35-65. Armonk, NY, NY: M.E. Sharpe.
- Lew, Debra J. 2000. Alternatives to Coal and Candles: Wind Power in China. *Energy Policy* 28, 271-286.
- Lew, Debra J. 2001. "Micro-Hybrids in Rural China – Rural Electrification with Wind/PV Hybrid." *Refocus* (April) www.re-focus.net
- Lowe, Marcia D. 1989. *The Bicycle: Vehicle for a Small Planet*. Worldwatch Paper 90.
- Lun, Jingguang. 2003. An Update on Efforts to Promote Cleaner Vehicles in China. *Sinosphere Journal* 6, No. 1 (March), 28-33.
- Maniates, Michael. 2002. In Search of Consumptive Resistance: The Voluntary Simplicity Movement. In *Confronting Consumption*, edited by Thomas Princen, Michael Maniates, and Ken Conca, 199-235. Cambridge: MIT Press.
- Meyerson, 2002. "Population and Climate Change Policy" in *Climate Change Policy*, ed. by Stephen Schneider , pp. 251-268.
- Missoula Greenhouse Gas & Energy Conservation Team. 2008. www.ci.missoula.mt.us/mayor/Greenhouse_energy.htm
- Moran, Susan. 2008. "Carbon Detectives are on the Case in Colorado, Tracking Gases." *New York Times*, 2 December, p. D3.
- Mouawad, Jad. 2008. "Pumping Hydrogen." *New York Times* Special Section, 24 September, pp. H1, H8.
- Murray, Geoffrey, and Ian G. Cook. 2004. *The Greening of China*. Beijing: China Intercontinental Press.
- Myers, Norman. 1997. Consumption: Challenge to Sustainable Development. *Science* 276 (5309), 53-55.
- National Academy of Engineering and National Research Council. 2008. *Energy Futures and Urban Air Pollution Challenges for China and the United States*. Washington, D.C.: National Academies Press.
- Newell, Peter. 2000. *Climate for Change: Non-state Actors and the Global Politics of the Greenhouse*. Cambridge: Cambridge University Press.
- Niederberger, Anne A, Conrad U. Brunner, and Zhou Dadi. 2006. Energy Efficiency in China: Impetus for a Global Climate Policy Breakthrough? *China Environment Series* 8, 85-86.

[Type text]

- Notar, Isabella. 2006. China's Cities Seize the Initiative: Strengthening Auto Emissions Control on the Streets. *China Environment Series* 8, 92-97.
- Ogden, Doug, and Fong, Patty. 2002. "The China Sustainable Energy Program: An Overview." *Sinosphere Journal* 5 (July)"6-9.
- O'Neill, Kate. 2009. *The Environment and International Relations*. Cambridge: Cambridge University Press.
- Page, Mark. 2008. "Innovative Transportation Project in Missoula Funded with DOT Grant." *Missoulian*, 15 November, p. B1.
- Paterson, Matthew. 2000. "Car Culture and Global Environmental Politics." *Review of International Studies* (26):253-270.
- Puckett, Jim, et al. 2002. *Exporting Harm: The High-tech Trashing of Asia*. www.crra.com/ewaste/ttrash2/ttrash2 Accessed 4 December 2006.
- PRC, State Council. 2006. *Environmental Protection in China (1996-2005)*. www.zhb.gov.cn/english/news_detail.php3?id=12841
- Prior, Anna. 2009. "It All Adds Up: Save Green When You Go Green." *Missoulian*, 11 October, p. 4.
- Qian, Jingjing, Barbara Finamore, and Tina Clegg. 2003. Fuel Cell Vehicle Development in China. *Sinosphere Journal* 6, No. 1 (March), 34-40.
- Rabe, Barry G. 2002. *Greenhouse and Statehouse: The Evolving State Government Role in Climate Change*. Arlington: Pew Center on Global Climate Change.
- Rabe, Barry G. 2004. *Statehouse and Greenhouse: The Emerging Politics of American Climate Change Policy*. Washington, D.C.: Brookings Institution Press.
- Rabe, Barry G. 2006. *Race to the Top: The Expanding Role of U.S. State Renewable Portfolio Standards*. Arlington: Pew Center on Global Climate Change.
- Rabe, Barry G., Mikael Roman, and Arthur N. Dobelis. 2005. State Competition as a Source Driving Climate Change Mitigation. *New York University Environmental Law Journal* 14, 1-53.
- Raufer, Roger, and Shujuan Wang. 2003. Navigating the Policy Path for Support of Wind Power in China. *China Environment Series* 3, 37-49.
- Raustiala, Kal. 2001. Nonstate Actors in the Global Climate Regime. In *International Relations and Global Climate Change*, edited by Urs Luterbacher and Detlef F. Sprinz, 95-117. Cambridge, MA: MIT Press.
- Rehberg, Denny. 2009. "At What Cost? Economic Losses Outweigh Gains from 'Cap and Tax' Energy Policy." *Missoulian*, 10 July, p. b4.
- Roosevelt, Margot. 2008. "Western States Propose Global Warming Pact." *Missoulian*, 24 September, p. A10.

[Type text]

- Shanahan, Helena, and Annika Carlsson-Kanyama. 2005. Interdependence between Consumption in the North and Sustainable Communities in the South. *International Journal of Consumer Studies* 29, No. 4 (July), 298-307.
- Siple, Greg. 2008. "Bicycles an Easy Part of Environmental Fix." *Missoulian*, 22 April, p. A8.
- Smith, Joel. 2004. *A Synthesis of Potential Climate Change Impacts on the U.S.* Pew Center on Global Climate Change.
- Sperling, Daniel, and Deborah Salon. 2002. *Transportation in Developing Countries: An Overview of Greenhouse Gas Reduction Strategies*. Arlington, VA: Pew Center on Global Climate Change.
- Spiegel, Jan. 2008. "Amid Boom, Concerns at Small Solar Firms." *New York Times*, 25 September, p. C6.
- Sunyer, Jordi, and Joan Grimalt. 2006. Global Climate Change, Widening Health Inequalities, and Epidemiology. *International Journal of Epidemiology* 35, 213-216.
- Szpaller, Keila. 2008. "Bike, Walk Trails: City Eyes \$50 Million from Feds." *Missoulian*, 21 October 2008, p. B1.
- United Nations. 2007. Gateway to the U.N. System's Work on Climate Change." www.un.org/climatechange
- Wald, Matthew. 2009. "Declining Demand and an Increase in Efficiency Could Continue a Diet the Recession Seems to Have Started." *New York Times*, 19 November, p. F2.
- Wald, Matthew. 2009. "Making Renewables Reliable." *New York Times*, 19 November, pp. F1-2.
- Wang, Frank, and Hongfei Li. 2005. Environmental Implications of China's Energy Demands: An Overview. In *China's Environment and the Challenge of Sustainable Development*, edited by Kristen A. Day, 180-201. Armonk, NY: M.E. Sharpe.
- Wilkinson, Paul. 2008. "Climate Change and Health: The Case for Sustainable Development." *Medicine, Conflict, & Survival* 24, S1 (April-June):S26-S35.
- Yu, Liu, Pan Wei, Shen Mingming, Song Guojun, Vivian Bertrand, Mary Child, and Judith Shapiro. 2005. The Politics and Ethics of Going Green in China: Air Pollution Control in Benxi City and Wetland Preservation in the Sanjiang Plain. In *China's Environment and the Challenge of Sustainable Development*, edited by Kristen A. Day, 31-101. Armonk, NY: M.E. Sharpe.
- Zezima, Katie. 2008. "With Free Bikes, Challenging Car Culture on Campus." *New York Times*, 20 October, p. A18.
- Zhang, ZhongXiang. 2000. Decoupling China's Carbon Emissions Increase from Economic Growth: An Economic Analysis and Policy Implications. *World Development* 28 (4), 739-752.
- Zhao, Jimin, and Kelly S. Gallagher. 2003. Clean Vehicle Development in China. *Sinosphere Journal* 6, No. 1 (March), 20-28.

[Type text]

Zhou, Hongchang, Daniel Sperling, Mark Delucchi, and Deborah Salon. 2001. *Transportation in Developing Countries: Greenhouse Gas Scenarios for Shanghai, China*. Arlington, VA: Pew Center on Global Climate Change.

Zwiebel, K. et al. 2007. "A Solar Grand Plan." *Scientific American* (December).

This syllabus is presented as a general guide to the course that is subject to amendment or deviation.

psci324.syl.10