

POLI 4380 Politics of Climate Change
Dalhousie University
Tuesdays, 2:30 – 5:30 p.m., LSC – Psychology P4208
Winter 2013



Instructor: Dr. Anders Hayden
Office Hours: Tuesdays & Thursdays, 1:30-2:25, Henry Hicks 352, or by appointment
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Course Description

This course examines the interactions between politics and climate change, including the emerging political responses that aim to limit greenhouse gas emissions and stabilize the climate as well as the impacts of a changing climate on political life. Among the key questions we will consider throughout the course: What are the key sources of disagreement in the political debate over how to respond to climate change? What does climate change mean for various political, social, and economic projects?

Topics include:

- the relationship between science and climate politics
- the controversial role of economic analysis in creating a basis for climate politics
- the emergence of a new climate capitalism that aims to link emissions reductions to economic expansion and business strategy
- demands for more politically-challenging alternatives that question economic growth, consumerism, and capitalist imperatives while emphasizing “climate justice”
- Canada’s climate record and reasons why climate change is a particularly difficult political challenge for this country
- the potential and limits of climate politics at the personal level through lifestyle and behaviour change

- international climate negotiations and the key sources of conflict among nations
- the growing acknowledgement of climate change as a security issue

The course emphasizes the political and social aspects of climate change. We will draw on understandings from the natural sciences where necessary for an informed analysis of the issues, but a natural sciences background is not necessary to take the course.

It is *highly recommended* that you take 3385 Politics of the Environment prior to this course.

Course Format

The course will combine seminar discussion with some interactive lecturing, along with student presentations and the occasional use of short videos.

Expectations and Grading

Attendance and Participation	20%
Weekly “QIPs”	20%
Presentation	20%
Research Paper	40%

Attendance and Participation 20%

You are expected to attend *every* class, having completed the assigned readings before class. (We only meet once a week, so each time you miss a class, you miss nearly 10 percent of the total class time.)

You are expected to participate actively and respectfully in group discussions without dominating the discussion. A good participant also demonstrates knowledge of the assigned readings and asks probing questions to the instructor and to fellow students.

Weekly “QIPs” 20%

Starting in week 2, *at the beginning* of class, you will hand in a reflection on the week’s readings in which you will identify *at least* one Question (Q), Interesting or Important Point (I), and Problem (P) you identified in the readings (or had with them). You should refer to *at least* two of the assigned readings or chapters, with particular emphasis on the academic articles or book chapters. (When shorter media articles and opinion pieces are assigned, you may refer to them, but they should not be the main focus of your QIPs.)

The reflection will be 400-500 words in length for undergraduate students and 600-750 words for graduate students.

The main goal of the QIPs is to encourage you to think about the readings and the issues that you would like to discuss *before* coming to class. They also give the instructor an opportunity to identify any common questions or problems, which will then be discussed in class. *The best QIPs include commentary on key themes that cut across the readings for the week rather than focusing on secondary details or looking at the readings in isolation.*

You will receive one point for each QIP you submit, up to a *maximum of 10*, over the 12 week term. You will also receive an additional qualitative grade out of 10 on your QIPs throughout the semester.

You must hand in the QIPs at the beginning of class to receive credit for them. Please do not e-mail them to me afterwards.

Presentations 20%

Each student will make a *10 to 15 minute* presentation during the semester on a specific issue in the climate debate. Afterwards, they will lead a class discussion based on questions that they have prepared in advance. Further details on the content of presentations will be provided in class.

Students are encouraged to use their presentation as an opportunity to develop ideas for their research papers.

Research Paper 40%

Undergraduate students will write a paper of 4,000 words, while graduate student papers should be 6,000 to 8,000 words. Papers are due on the last day of class, April 2.

A list of possible paper topics will be distributed in class. They may include the possibility of writing a research paper that contributes to the climate-change work of the Ecology Action Centre. You are also free to propose your own topic, subject to approval of the instructor.

You have the *option* of submitting a 1-2 page proposal, plus an initial bibliography, by February 22 (before the study break). You will not receive a grade for the proposal, but this is an opportunity to receive feedback as you develop your paper. This will also help to ensure that you begin work on your paper early in the semester and help avoid a last-minute rush.

Additional Information for Graduate Students

As this is a cross-listed class, the requirements for graduate students are somewhat different from those for undergraduates. The number of and types of assignments are the same, but the expectations for these assignments are considerably higher:

1. In all assignments, graduate students are expected to show a deeper analytical ability when evaluating readings, to show familiarity with a wider variety of sources, and to illustrate greater sophistication of thought in both verbal and written forms.
2. The writing style for graduate students should illustrate greater sophistication, both in the construction of the argument and in the clarity of writing.
3. While all students are expected to be prepared for each seminar, graduate students are expected to be particularly able to identify and critically discuss key themes in the week's readings. Graduate students are expected to be particularly active in discussions.
4. At the graduate level, students should show greater understanding of the nuances of criticism, e.g. how to provide intellectually incisive criticism in a respectful and constructive manner.
5. Graduate students will be expected to write longer research papers and weekly "QIPs" (see details above). Graduate students may choose to tailor their research papers to their thesis work, but this should be discussed with the instructor in advance.

Late Penalties

Assignments received after the due date will be subject to a late penalty of 1% on the first day, an *additional* 2% on the second day, an *additional* 3% on the third day ... and an additional 5 % on the fifth and every subsequent day, unless appropriate written documentation such as a doctor's note is provided. (For example, a paper submitted six days late will receive a penalty of 20%, i.e. 1+2+3+4+5+5%). Please plan your work well ahead of time to avoid late penalties. The late penalties are phased in gradually to give you some extra flexibility. For example, if you need one more day to finish your paper, you may decide it is worth taking the small penalty to have a little extra time, but the penalties increase substantially as the delay grows longer.

Plagiarism and Academic Integrity

All students in this class are to read and understand the policies on plagiarism and academic honesty referenced in the Policies and Student Resources sections of the plagiarism.dal.ca website. Ignorance of such policies is no excuse for violations.

To ensure that you understand what plagiarism is, I suggest you take the following online quiz: <http://www.bc.edu/schools/cas/polisci/integrity/quiz.html> . You might find some surprises.

N.B. Almost every year that I have taught, I have had to penalize at least one student for plagiarism. In most cases, the violations appeared to be unintentional as the students did not understand the rules for the proper citation of others' work. **Don't let it happen to you—or me** (it's no fun for anybody).

If you have any questions about academic integrity and plagiarism, please ask.

Required Books

Bulkeley, Harriet and Peter Newell. 2010. *Governing Climate Change*. London: Routledge.

Hulme, Mike. 2009. *Why We Disagree About Climate Change: Understanding Controversy, Inaction, and Opportunity*. Cambridge, UK: Cambridge University Press.

Newell, Peter and Matthew Paterson. 2010. *Climate Capitalism*. Cambridge, UK: Cambridge University Press.

A coursepack will also be available from Julia's Photocopy, 1525 Lemarchant Street.

Recommended Online Subscription

At the beginning of most classes, we will discuss news items that are related to course themes. One good source of climate-related news is the Environmental and Energy Study Institute Climate Change News. You can subscribe for free at: <http://www.eesi.org/ccn>

WEEKLY THEMES AND READINGS

N.B. You can find the readings either in the required books, on the course website on BbLEARN, or online where web links are provided. Class schedule is subject to change.

Since the politics of climate change is evolving rapidly, the instructor may choose to replace some scheduled readings if relevant new readings become available. Any changes in assigned readings will be announced in class.

January 8: Introduction

Required:

Hulme, xxi-xxxiv.

Collins, William, Robert Colman, James Haywood, Martin R. Manning, and Philip Mote. 2008. "The Physical Science behind Climate Change." *Scientific American*, October 6.

<http://www.scientificamerican.com/article.cfm?id=science-behind-climate-change&print=true> [BbLearn]

Potsdam Institute for Climate Impact Research and Climate Analytics. 2012. "Executive Summary." Pp. xiii - xviii *Turn Down the Heat: Why a 4°C Warmer World Must Be Avoided*. Washington: World Bank.

http://climatechange.worldbank.org/sites/default/files/Turn_Down_the_heat_Why_a_4_degree_centrigrade_warmer_world_must_be_avoided.pdf [BbLearn]

Recommended:

Hulme, Chapter 1, "The Social Meanings of Climate," especially pp. 18-33.

January 15: Science and Climate Politics

Is there a "consensus" and "certainty" among climate scientists on climate change?

What role have climate "sceptics" played in questioning/undermining the basis for political action on climate change?

What is the relationship between scientific findings and policy? Are there clear boundaries between "science" and "politics?"

Required:

Hulme, Chapter 3, "The Performance of Science"

McCright, Aaron. M. and Riley E. Dunlap. 2010. "Anti-reflexivity: The American Conservative Movement's Success in Undermining Climate Science and Policy." *Theory, Culture & Society* 27(2-3):100-133. [BbLearn]

Anderegg, William R. L. et al. 2010. "Expert credibility in climate change." *PNAS* 107(27): 12107-12109. <http://www.pnas.org/content/107/27/12107.full.pdf+html> [BbLearn].

Brysse, Keynyn, Naomi Oreskes, Jessica O'Reilly, and Michael Oppenheimer. 2012. 'Climate change prediction: Erring on the side of least drama?' *Global Environmental Change* (in press). [BbLearn]

Kitcher, Philip. 2010. "The Climate Change Debates." *Science* 328(5983):1230-1234. <http://www.sciencemag.org/content/328/5983/1230.1.full.pdf> [BbLearn]

Kahan, Dan. 2012. 'Why we are poles apart on climate change'. *Nature* 488(7411):255.
[BbLearn]

Highly Recommended:

Hamilton, Clive. 2010. "Why We Resist the Truth About Climate Change."
http://www.clivehamilton.net.au/cms/media/why_we_resist_the_truth_about_climate_change.pdf

Watch PBS Frontline report, "Climate of Doubt." October 23, 2012.
<http://www.pbs.org/wgbh/pages/frontline/climate-of-doubt/>

Recommended for Background on the Science of Climate Change

IPCC 2007. "Climate Change 2007: The Physical Science Basis—Summary for Policymakers." Geneva: Intergovernmental Panel on Climate Change Secretariat. <http://www.ipcc.ch/pdf/assessment-report/ar4/wg1/ar4-wg1-spm.pdf>

2010. "An Open Letter from Scientists in the United States on the Intergovernmental Panel on Climate Change and Errors Contained in the Fourth Assessment Report: *Climate Change 2007*." March 10.
<http://www.openletterfromscientists.com/index.html>

Hare, W.L. 2009. "A Safe Landing for the Climate." Pp. 13-29 in *State of the World 2009*. New York: W.W. Norton & Co. <http://www.worldwatch.org/node/5984>

Union of Concerned Scientists. 2009. "Latest Climate Science Underscores Urgent Need to Reduce Heat-trapping Emissions." Cambridge, MA: Union of Concerned Scientists, February 22
http://www.ucsusa.org/global_warming/science_and_impacts/science/latest-climate-science.html

See also:

Global Warming Science

http://www.ucsusa.org/global_warming/science_and_impacts/science/

Global Warming Contrarians

http://www.ucsusa.org/global_warming/science_and_impacts/global_warming_contrarians

Other Recommended Items:

Boykoff, Maxwell T. and Jules M. Boykoff. 2004. "Balance as Bias: Global Warming and the US Prestige Press." *Global Environmental Change* 14:125-136.

Freudenberg, W., R. Gramling and D. Davidson. 2008. "Scientific certainty argumentation methods (SCAMs): Science and the politics of doubt." *Sociological Inquiry* 78(1):2-38.

Hoggan, James and Richard Littlemore. 2009. *Climate Cover-Up: The Crusade to Deny Global Warming*. Vancouver: Greystone.

McCright, Aaron. M. and Riley E. Dunlap. 2003. "Defeating Kyoto: The conservative movement's impact on U.S. climate change policy." *Social Problems* 50(3):348-373.

Oreskes, Naomi. 2004. "The Scientific Consensus on Climate Change." *Science* 306:1686.

Oreskes, Naomi and Erik M. Conway. 2010. *Merchants of Doubt*. New York: Bloomsbury Press (especially ch. 6).

Painter, James, and Teresa Ashe. 2012. 'Cross-national comparison of the presence of climate scepticism in the print media in six countries, 2007–10'. *Environmental Research Letters* 7(4):1–8.*

Pielke, Robert A. 2005. "Consensus About Climate Change?" Letter to the editor in response to N. Oreskes and response by N. Oreskes, *Science* 308:952-54.

Pielke, Robert A. 2010. "Major change is needed if the IPCC hopes to survive." *Yale Environment* 360, February 25. <http://www.e360.yale.edu/content/feature.msp?id=2244>

Risbey, J.S. 2008. "The new climate discourse: alarmist or alarming?" *Global Environmental Change* 18(1):26-37. http://sciencepolicy.colorado.edu/students/envs_4800/risbey_2008.pdf

Schneider, S.H. and M.D. Mastrandrea. 2009. "The politics of climate science." Pp. 11-25 in *The Politics of Climate Change*, ed. M. Boykoff. London: Routledge/Europa. http://sciencepolicy.colorado.edu/students/envs_4800/POCC_schneider_mastrandrea_2009.pdf

Union of Concerned Scientists. 2007. *Smoke, Mirrors & Hot Air: How ExxonMobil Uses Big Tobacco's Tactics to Manufacture Uncertainty on Climate Science*. Cambridge, MA: Union of Concerned Scientists. http://www.ucsusa.org/assets/documents/global_warming/exxon_report.pdf

Watson, Robert T. 2010. "The IPCC Needs to Change, But the Science Remains Sound." *Yale Environment* 360, February 25. <http://e360.yale.edu/content/print.msp?id=2245>

January 22: Economics and Climate Politics

How do we determine how much effort to make to combat climate change?

What will it take to reconcile continued pursuit of economic growth with stabilization of the climate?

Required:

Stern, Nicholas. 2006. "The Economics of Climate Change: Summary of Conclusions." London: HM Treasury. http://www.hm-treasury.gov.uk/d/CLOSED_SHORT_executive_summary.pdf [BbLearn]

Hulme, Chapter 4, "The Endowment of Value."

BBC. 2006. "Expert reaction to Stern review." *BBC News*, October 30. <http://news.bbc.co.uk/2/hi/business/6098612.stm> [BbLearn]

Nordhaus, William. 2007. "Critical Assumptions in the Stern Review on Climate Change." *Science* 317(5835):201-202. nordhaus.econ.yale.edu/nordhaus_stern_science.pdf [BbLearn]

Ackerman, Frank. 2009. "Much less wrong: the Stern Review versus its critics." Pp. 82-96 in *Can We Afford the Future? The Economics of a Warming World*. London: Zed Books. [Coursepack]

York, Richard, Brett Clark, and John Bellamy Foster. 2009. "Capitalism in Wonderland." *Monthly Review*, May. <http://www.monthlyreview.org/090501-york-clark-foster.php> [BbLearn]

Beinhocker, Eric et al. 2008. "The carbon productivity challenge: Curbing climate change and sustaining economic growth." McKinsey & Co. http://www.mckinsey.com/locations/swiss/news_publications/pdf/mgi_carbon_productivity_challenge_report.pdf [BbLearn]. *Pp. 7-17 only required.*

Anderson, Kevin, and Alice Bows. 2012. 'A new paradigm for climate change'. *Nature Climate Change* 2(9):639-640. [Coursepack]

Recommended:

For the full Stern Review, see:

http://webarchive.nationalarchives.gov.uk/+http://www.hm-treasury.gov.uk/sternreview_index.htm

Baer, Paul. 2007. "The worth of an ice-sheet: A critique of the treatment of catastrophic impacts in the Stern Review." *EcoEquity*. <http://www.ecoequity.org/docs/WorthOfAnIceSheet.pdf>

Spash, Clive L. 2007. "The economics of climate change impacts à la Stern: Novel and nuanced or rhetorically restricted?" *Ecological Economics* 63(4):706-713.

Tol, Richard S.J. and Gary W. Yohe. 2006. "A Review of the Stern Review." *World Economics* 7(4):233-250.

January 29: The New Climate Capitalism (I)

How is contemporary capitalism beginning to respond to the challenge of climate change?

How are some countries trying to link climate policy to economic strategy?

What are the prospects for a transition to a low-carbon economy within capitalism?

Required:

Newell, Peter and Matthew Paterson. 2010. *Climate Capitalism*. Cambridge, UK: Cambridge University Press. Chapters 1-5.

Recommended:

Mabee, Warren E., Mannion, Justine, and Carpenter, Tom. "Comparing the Feed-in Tariff Incentives for Renewable Electricity in Ontario and Germany." *Energy Policy* 40 (2012): 480-489.

Mazmanian, Daniel A. 2008. "California's Climate Change Policy: The Case of a Subnational State Actor Tackling a Global Challenge." *Journal of Environment & Development* 17(4):401-423.

Lovins, Amory. 2005. "More Profit with Less Carbon." *Scientific American*, September, 74-82.
<http://www.scientificamerican.com/media/pdf/Lovinsforweb.pdf>

Porritt, Jonathon. 2007. *Capitalism As If The World Matters*. Revised. London: Earthscan.

Rifkin, Jeremy. 2008. "Leading the Way to the Third Industrial Revolution and a New Social Europe in the 21st Century." http://www.energie-cites.eu/IMG/pdf/lecture_paper_rifkin.pdf

Romano, Luis. 2009. "Selling Americans on a 'Green-Collar' Economy." *Washington Post*, August 11.
<http://www.washingtonpost.com/wp-dyn/content/article/2009/08/10/AR2009081002676.html>

Weidner, Helmut and Lutz Mez. 2008. "German Climate Change Policy: A Success Story With Some Flaws." *Journal of Environment Development* 17(4):356-378.

February 5: The New Climate Capitalism (II)

Required:

Newell, Peter and Matthew Paterson. 2010. *Climate Capitalism*. Cambridge, UK: Cambridge University Press. Chapters 6-10, Conclusions.

Lohmann, Larry. 2008. "Six Arguments Against Carbon Trading." *Climate and Capitalism*, September 29. <http://climateandcapitalism.com/?p=544> [BbLearn]

Childs, Mike. 2012. "Privatising the atmosphere: A solution or dangerous con?" *Ephemera* 12 (1/2):12-18. <http://ephemeraweb.org/journal/12-1/12-1ephemera-may12.pdf> [BbLearn]

Federal Ministry for the Environment, Nature Conservation, and Nuclear Safety. 2008. "Ecological Industrial Policy: Sustainable Policy for Innovation, Growth, and Employment." Berlin: BMU. [BbLearn]

Recommended:

Durban Group. 2004. "Climate Justice Now! The Durban Declaration on Carbon Trading." October 10. <http://www.carbontradewatch.org/durban/statementeng.pdf>

Other articles in special Issue of journal *Ephemera* on the "Atmosphere Business":
<http://ephemeraweb.org/journal/12-1/12-1ephemera-may12.pdf>

February 12: Alternatives to Climate Capitalism (I)

Are "climate capitalism" and "ecological modernization" the only politically viable options to achieve deep emissions cuts?

Do we need to question the growth economy, consumerism, and/or capitalism?

Required:

Hulme, Chapter 8, "The Challenges of Development"

Jackson, Tim. 2009. *Prosperity Without Growth? The Transition to a Sustainable Economy*. London: Sustainable Development Commission. http://www.sd-commission.org.uk/publications/downloads/prosperity_without_growth_report.pdf [BbLearn]

The following chapters are required (the remainder are recommended):

"Summary," pp. 6-12

"The Dilemma of growth," pp. 38-46

"Steps toward a sustainable economy," pp. 102-107

Turner, Adair. 2008. "Dethroning growth." Pp. 90-97 in *Do Good Lives Have to Cost the Earth?*, ed. Andrew Simms and Joe Smith. London: Constable. [Coursepack]

Monbiot, George. 2009. "This is bigger than climate change. It is a battle to redefine humanity." *The Guardian*, December 14. <http://www.guardian.co.uk/commentisfree/cif-green/2009/dec/14/climate-change-battle-redefine-humanity> [BbLearn]

Wintour, Patrick. 2009. "Green consumerism can avert climate disaster, say top firms." *The Guardian*, October 16. <http://www.guardian.co.uk/politics/2009/oct/16/climate-change-green-business> [BbLearn]

Victor, Peter A. 2008. "Policies for managing without growth." Pp. 191-224 in *Managing Without Growth: Slower by Design, Not Disaster*. Cheltenham, UK: Edward Elgar. [Coursepack]

Recommended:

Kasser, Tim. 2009. "Shifting Values in Response to Climate Change." Pp. 122-125 in *State of the World 2009: Into a Warming World*, ed. Linda Starke. New York: W.W. Norton & Co. http://www.worldwatch.org/files/pdf/SOW09_CC_values.pdf

Lucas, Caroline. 2008. "The Real Deal?" Pp. 223-230 in *Do Good Lives Have to Cost the Earth?*, ed. Andrew Simms and Joe Smith. London: Constable.

McKibben, Bill. 2007. "Why Having More No Longer Makes Us Happy." *Alternet*, March 22. <http://www.alternet.org/story/49593/>

Monbiot, George. 2006. "Love Miles." Pp. 170-188 in *Heat: How to Stop the Planet from Burning*. Toronto: Doubleday Canada.

Quality of Life Policy Group. 2007. Pp. 3, 8-27 in "Blueprint for a Green Economy." London: Conservative Party. http://www.conservatives.com/tile.do?def=news.story.page&obj_id=138484

February 19: Alternatives to Climate Capitalism (II)

Required:

Magdoff, Fred. 2008. "The Political Economy and Ecology of Biofuels." *Monthly Review*, July-August. <http://www.monthlyreview.org/080714magdoff.php> [BbLearn]

Klein, Naomi. 2011. "Capitalism vs. the Climate." *The Nation*, November 9. <http://www.thenation.com/print/article/164497/capitalism-vs-climate> [BbLearn]

Derber, Charles. 2010. Chapters 9-11. Pp. 105-147 in *Greed to Green: Solving Climate Change and Remaking the Economy*. Boulder, CO: Paradigm. [Coursepack]

Chawla, Ambika. 2009. "Climate Justice Movements Gather Strength." Pp. 119-121 in *State of the World 2009: Into a Warming World*, ed. Linda Starke. New York: W.W. Norton & Co. http://www.worldwatch.org/files/pdf/SOW09_CC_climate%20justice.pdf [BbLearn]

Ecosocialist International Network. 2008. "The Belem Ecosocialist Declaration." <http://www.rabble.ca/news/belem-ecosocialist-declaration> [BbLearn]

Recommended:

Bello, Walden. 2008. "Will Capitalism Survive Climate Change?" *Bangkok Post*, March 29. <http://climateandcapitalism.com/?p=384>

Li, Minqi. 2008. "Climate Change, Limits to Growth, and the Imperative for Socialism." *Monthly Review*, July-August (<http://www.monthlyreview.org/080721li.php>).

Angus, Ian. 2009. "For a Society of Good Ancestors." *Climate and Capitalism*, April 21. <http://climateandcapitalism.com/?p=666>

Simms, Andrew et al. 2009. "A Green New Deal." London: New Economics Foundation. http://www.neweconomics.org/sites/neweconomics.org/files/A_Green_New_Deal_1.pdf

Thompson, Sean. 2009. "The Limits of Green Keynesianism." *Climate and Capitalism*, October 9. <http://climateandcapitalism.com/?p=552>

February 26: Study Break

March 5: Making it Personal: Climate Politics, Lifestyle, and Behaviour Change

What does a low-carbon lifestyle look like?

Is lifestyle and behaviour change a key element of climate politics, or a distraction from more important issues?

How much impact can individual change have without complementary social and political change?

Short assignment:

Calculate your carbon footprint at: <http://calc.zerofootprint.net/> (You will have to register first, which only takes a moment)

After calculating your footprint, use the drop-down option on the right-hand side of the page to compare your footprint to the average person in Canada, the United States, Germany, China, and Tanzania (and any other countries you wish). Write a brief reflection on the lessons you take from calculating your carbon footprint and comparing it to the averages in various nations.

Have a look at WWF's "Living Planet Community" website:

<http://community.wwf.ca/>

In particular, look at the pages with action ideas, starting at:

<http://community.wwf.ca/ActionList.cfm>

Identify at least three actions that you would be willing and able to take, and three actions that you would not be willing to take. Write a brief reflection on why you are willing and able to take some actions, but not others. We will discuss this in class.

Required:

Gilligan, Jonathan, Thomas Dietz, Gerald T. Gardner, Paul C. Stern, and Michael P. Vandenbergh. 2010. "The behavioural wedge: Reducing greenhouse gas by individuals and households." *Significance* 7(1):17-20. [BbLearn]

Emel, Jody and Roberta Hawkins. 2010. "Is it Really Easier to Imagine the End of the World than the End of Industrial Meat?" *Human Geography* 3(2):35-48. [BbLearn]

Rosenthal, Elizabeth. 2009. "To Cut Global Warming, Swedes Study Their Plates." *New York Times*, October 22.
<http://www.nytimes.com/2009/10/23/world/europe/23degrees.html?pagewanted=print> [BbLearn]

Paterson, Matthew and Johannes Stripple. 2010. "My Space: governing individuals' carbon emissions." *Environment and Planning D: Society & Space* 28(2): 341-362. [BbLearn]

Mackenzie, Hugh, Hans Messinger, and Rick Smith. 2008. "Size Matters: Canada's Ecological Footprint, By Income." Ottawa: Canadian Centre for Policy Alternatives.
http://www.policyalternatives.ca/documents/National_Office_Pubs/2008/Size_Matters_Canadas_Ecological_Footprint_By_Income.pdf [BbLearn]
Only pp. 3-9 are required; the rest is optional.

Webb, Janette. 2012. "Climate Change and Society: The Chimera of Behaviour Change Technologies." *Sociology* 46(1) 109-125. [BbLearn]

Recommended:

Environment Agency. 2007. "The 50 things that will save the planet." *Your Environment* 17 (November 2007-January 2008). http://publications.environment-agency.gov.uk/pdf/GEHO0907BNFQ-e-e.pdf?lang=_e

Hillman, Mayer. 2005. "Living beyond the planet's limits." *Open Democracy*.
http://www.opendemocracy.net/globalization-climate_change_debate/article_2460.jsp

Maniates, Michael. 2002. "Individualization: Plant a Tree, Buy a Bike, Save the World?" Pp. 43-66 in *Confronting Consumption*, ed. Thomas Princen, Michael Maniates, and Ken Conca. Cambridge, MA: MIT Press.

Pralle, Sarah. 2006. "'I'm Changing the Climate, Ask Me How!': The Politics of the Anti-SUV Campaign." *Political Science Quarterly* 121(3):397-423. [BbLearn]

Willis, Margaret and Juliet B. Schor. Forthcoming. "Does Changing a Light Bulb Lead to Changing the World? Civic Engagement and the Ecologically Conscious Consumer."

March 12: Climate Politics in Canada

How does Canada's record on climate change compare to other nations?

Why is climate change such a difficult challenge for Canada?

What forces might enable Canada to move beyond its climate policy inaction?

Required:

Harrison, Kathryn. 2010. "The Struggle of Ideas and Self-Interest in Canadian Climate Policy." In *Global Commons, Domestic Decisions: The Comparative Politics of Climate Change*, ed. Kathryn Harrison and Lisa McIntosh Sundstrom. Cambridge, MA: MIT Press. [Coursepack]

Partington, P.J. and Matthew Bramley. 2011. "Evaluation of the Government of Canada's Greenhouse Gas Reduction Policies, Prepared for the *Climate Change Performance Index 2012*." Drayton Valley, Pembina Institute. <http://pubs.pembina.org/reports/2012-ccpi-submission.pdf> [BbLearn]

Macdonald, Douglas. 2009. "The Failure of Canadian Climate Change Policy." In *Canadian Environmental Policy and Politics*, ed. Debora L. VanNijnatten and Robert Boardman. Toronto: Oxford University Press. [Coursepack]

Haley, Brendan. 2011. "From Staples Trap to Carbon Trap: Canada's Peculiar Form of Carbon Lock-In." *Studies in Political Economy* 88:97-132. [Coursepack]

Gibbins, Roger. 2009. "The Politics of Sustainability in a Complex Federal State." In *Innovation, Science, Environment—Charting Sustainable Development in Canada, 1987-2007*, ed. Glen Toner and James Meadowcroft. Montreal: McGill-Queen's University Press. [Coursepack]

Recommended:

Biro, Andrew. 2010. "Environmental Prospects in Canada." *Environmental Politics* 19(2):303-309.

Gagnier, Daniel and Velma McColl. 2010. "Obama, Canada and Emissions Reductions: From Climate Change to Clean Energy." *Policy Options*, October, 43-46. <http://www.irpp.org/po/archive/oct10/gagnier.pdf>

Germanwatch and Climate Action Network Europe. 2012. "The Climate Change Performance Index: Results 2013." <http://germanwatch.org/en/download/7158.pdf>

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Paehlke, Robert C. 2008. *Some Like It Cold: The Politics of Climate Change in Canada*. Toronto: Between the Lines.

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March 19: Governing Climate Change: Global, Local, and Private Governance (I)

What have been the key issues and sources of conflict among nations in two decades of global climate negotiations?

What are the prospects for global cooperation in combating climate change in the wake of the recent climate negotiations?

Required:

Bulkeley, Harriet and Peter Newell. 2010. *Governing Climate Change*. London: Routledge. Introduction and Chapters 1-3.

Demerse, Clair and P.J. Partington. 2012. “UN climate negotiations in Doha, Qatar.” COP 18 Backgrounder. Drayton Valley, AB: Pembina Institute. <http://pubs.pembina.org/reports/cop18-backgrounder.pdf> [BbLearn]

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Highly Recommended:

Hulme, Chapter 9, “The Way We Govern.”

Recommended:

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Höhne, Niklas et al. 2012. *Greenhouse gas emission reduction proposals and national climate policies of major economies*. Utrecht / The Hague, Netherlands: Ecofys / PBL Netherlands Environmental Assessment Agency.

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http://sciencepolicy.colorado.edu/students/envs_4800/POCC_schroeder_2009.pdf

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<http://www.unep.org/pdf/2012gapreport.pdf>

March 26: Governing Climate Change: Global, Local, and Private Governance (II) / Climate Change as Security Issue

Do forms of climate governance at the community level or by private actors have the potential to fill the void left by inaction at the global and national levels?

What are the security implications of climate change?

What are the political implications of framing climate change in security or military terms?

Is the threat of climate change equivalent to the threat of war?

Required for Part I of class on Governing Climate Change:

Bulkeley, Harriet and Peter Newell. 2010. *Governing Climate Change*. London: Routledge. Chapters 4&6. (Chapter 5 optional).

Required for Part II of class on Climate Change as Security Issue:

Parenti, Christian. 2011. *Tropic of Chaos: Climate Change and the New Geography of Violence*. New York: Nation Books. Chapters TBA* [Coursepack].

Huhne, Chris. 2011. "The Geopolitics of Climate Change." Speech to Future Maritime Operations Conference at the Royal United Services Institute, London. July 7.
http://www.decc.gov.uk/en/content/cms/news/chsp_geopol/chsp_geopol.aspx [BbLearn]
[N.B. The author was the British government's energy and climate secretary.]

Renner, Michael. 2007. "Security Council Discussion of Climate Change Raises Concerns About 'Securitization' of Environment." Worldwatch Institute. <http://www.worldwatch.org/node/5049> [BbLearn]

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Oreskes, Naomi. 2011. "Metaphors of warfare and the lessons of history: time to revisit a carbon tax?" *Climatic Change* 104(2):223-230. [BbLearn]

Recommended:

Clover, Charles. 2007. "Climate change is like 'World War Three'." *Daily Telegraph*, November 5.
<http://www.telegraph.co.uk/earth/earthnews/3313024/Climate-change-is-like-World-War-Three.html>

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<http://www.globelaw.com/LawSea/arctic%20claims%20and%20climate%20change.pdf>

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<http://www.monthlyreview.org/0504editors.htm>

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Meacher, Michael. 2007. "Blitz spirit needed to face threat of climate change." *The Guardian*, May 9.
<http://www.guardian.co.uk/society/2007/may/09/guardiansocietysupplement.greenpolitics>

Munro, Margaret and Mike de Souza. 2007. "Climate scientists want war on warming." *Vancouver Province*, November 17. <http://www.canada.com/topics/news/story.html?id=fbf10c56-7309-424c-b199-38056e671c65>

Wallace, Jennifer. 2009. "The Security Dimensions of Climate Change." Pp. 63-66 in *State of the World 2009: Into a Warming World*, ed. Linda Starke. New York: W.W. Norton & Co.
http://www.worldwatch.org/files/pdf/SOW09_CC_security.pdf

April 2: Geo-Engineering Our Way Out of Crisis? And Concluding Thoughts

If political action to date has not been adequate to address climate change, do we need to consider risky geo-engineering solutions? Or do we need to re-double political efforts to cut emissions?

Concluding Discussion:

What does climate change mean for our wider political, social, economic, and personal projects? How does climate change push us to think about and possibly re-evaluate our over-riding goals?

Required:

Victor, David G., M. Granger Morgan, Jay Apt, John Steinbruner, and Katharine Ricke. 2009. "The Geoengineering Option: A Last Resort Against Global Warming?" *Foreign Affairs*, March/April. http://iis-db.stanford.edu/pubs/22456/The_Geoengineering_Option.pdf [BbLearn]

Hamilton, Clive. 2011. "Ethical Anxieties About Geoengineering: Moral hazard, slippery slope and playing God." <http://tinyurl.com/bzaxnrq> [BbLearn]

Royal Society. 2011. "Summary." Pp. 7-10 in *Solar radiation management: the governance of research*. London: Royal Society. <http://tinyurl.com/9wgmxf> [BbLearn]

Hulme, Chapter 10, "Beyond Climate Change"

Recommended:

CBC Radio. 2011. "The Risks of Planet Hacking." November 30.
<http://www.cbc.ca/thecurrent/episode/2011/11/30/the-risks-of-planet-hacking/>

Hamilton, Clive. 2010. "The Return of Dr Strangelove: The politics of climate engineering as a response to global warming." http://www.clivehamilton.net.au/cms/media/documents/articles/dr_strangeloves_return.pdf

Leal-Arcas, R. and A. Filis-Yelaghotis. 2012. "Geoengineering a Future for Humankind: Some Technical and Ethical Considerations." *Carbon and Climate Law Review* 6(2):128-148.