

17.441/17.442

International Politics and Climate Change

READINGS

REQUIRED TEXTS

Luterbacher, Urs, and Detlef F. Sprinz, eds. *International Relations and Global Climate Change*. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.

McNeill, J. R. *Something New Under the Sun: An Environmental History of the Twentieth-century World*. New York, NY: W.W. Norton, 2000. ISBN: 9780393049176.

ADDITIONAL REFERENCES

Andreae, Meinrat O., and Robert E. Dickinson. "Sustainability and the Changing Atmosphere: Assessing Changes in Chemical and Physical Climate." In *Defining and Measuring Sustainability: The Biogeophysical Foundations*. Edited by Mohan Munasinghe and Walter Shearer. Washington, DC: The World Bank, 1995. ISBN: 9780821331347.

Carraro, Carlo. "Climate Change Policy: Models, Controversies and Strategies." In *The International Yearbook of Environmental and Resource Economics 2002/2003: A Survey of Current Issues*. Edited by Tom Tietenberg and Henk Folmers. Northampton, MA: Edward Elgar, 2002. ISBN: 9781840649499.

Dasgupta, Susmita, et al. "The Choice of Regulatory Instruments in Environmental Policy." In *Economics of the Environment*. 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.

Fullerton, Don, and Robert N. Stavins. "How Economists See the Environment." In *Economics of the Environment*. 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.

Hardin, Garrett. "Paramount Positions in Ecological Economics." In *Ecological Economics: The Science and Management of Sustainability*. Edited by Robert Costanza and Lisa Wainger. New York, NY: Columbia University Press, 1991. ISBN: 9780231075626.

Holdren, John P., Gretchen C. Daily, and Paul R. Ehrlich. 1995. "The Meaning of Sustainability: Biogeophysical Aspects." In *Defining and Measuring Sustainability: The Biogeophysical Foundations*. Edited by Mohan Munasinghe and Walter Shearer. Washington, DC: The World Bank, 1995. ISBN: 9780821331347.

Keohane, Nathaniel O., Richard L. Revesz, and Robert N. Stavins. "The Choice of Regulatory Instruments in Environmental Policy." In *Economics of the Environment*. 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.

Levy, David, and Peter J. Newell, eds. [*The Business of Global Environmental Governance*](#). Cambridge, MA: MIT Press, 2004. ISBN: 9780262621885.

Tietenberg, Tom H. "Economic Instruments for Environmental Regulation." In *Economics of the Environment*. 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.

ASSIGNED IN READINGS BY SESSION

Barzel, Yoram. *Economic Analysis of Property Rights*. 2nd ed. Cambridge, UK: Cambridge University Press, 1997. ISBN: 9780521597135.

Clark, Ian. *Globalization and International Relations Theory*. Oxford, UK: Oxford University Press, 1999. ISBN: 9780198782100.

Choucri, Nazli, ed. [*Global Accord: Environmental Challenges and International Response*](#). Cambridge, MA: MIT Press, 1995. ISBN: 9780262531344.

Haas, Peter M., with Jan Sundgren. "Evolving International Environmental Law: Changing Practices of National Sovereignty." In [*Global Accord: Environmental Challenges and International Responses*](#). Edited by Nazli Choucri. Cambridge, MA: MIT Press, 1993. ISBN: 9780262032001.

Hardin, Garrett. "The Tragedy of the Commons." In *Economics of the Environment*. 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.

Metrick, Andrew, and Martin L. Weitzman. "Conflicts and Choices in Biodiversity Preservation." In *Economics of the Environment*. 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.

Holling, C. S. "Sustainability: The Cross-Scale Dimension." In *Defining and Measuring Sustainability: The Biogeophysical Foundations*. Edited by Mohan Munasinghe and Walter Shearer. Washington, DC: The World Bank, 1995. ISBN: 9780821331347.

Jacoby, Henry D., et al. "Kyoto's Unfinished Business." In *Economics of the Environment*. 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.

Kates, Robert W. "Population, Technology, and the Human Environment: A Thread Through Time." In *Technological Trajectories and the Human Environment*. Edited by Jesse H. Ausubel and H. Dale Langford. Washington, DC: National Academy Press, 1997. ISBN: 9780309051330.

Litfin, Karen T. "The Greening of Sovereignty: An Introduction." In [*The Greening of Sovereignty in World Politics*](#). Edited by Karen T. Litfin. Cambridge, MA: MIT Press, 1998. ISBN: 9780262621236.

Lofdahl, Corey L. [*Environmental Impacts of Globalization and Trade: A Systems Study*](#). Cambridge, MA: MIT Press, 2002. ISBN: 9780262122450.

Ostrom, Elinor. *Governing the Commons: The Evolution of Institutions for Collective Action*. New York, NY: Cambridge University Press, 1990. ISBN: 9780521405997.

— — —. “New Horizons in Institutional Analysis.” *American Political Science Review* 89, no. 1 (1995): 174-178.

Sands, Philippe. “International Law in the Field of Sustainable Development: Emerging Legal Principles.” In *Sustainable Development and International Law*. Edited by Winfried Lang. Boston, MA: Graham & Trotman/Martinus Nijhoff, 1995. ISBN: 9781859661796.

Skolnikoff, Eugene B. “Science and Technology: The Sources of Change.” In [*Global Accord: Environmental Challenges and International Responses*](#). Edited by Nazli Choucri. Cambridge, MA: MIT Press, 1993. ISBN: 9780262032001.

Tester, Jefferson W., Elisabeth M. Drake, Michael J. Driscoll, Michael W. Golay, and William A. Peters, eds. [*Sustainable Energy: Choosing Among Options*](#). Cambridge, MA: MIT Press, 2005. ISBN: 9780262201537.

Vitousek, Peter M., Harold A. Mooney, Jane Lubchenco, and Jerry M. Melillo. “Human Domination of Earth’s Ecosystems.” *Science New Series* 277, no. 5325 (July 25, 1997): 494-499.

Wernick, Iddo K., Robert Herman, Shekhar Govind, and Jesse H. Ausubel. “Materialization and Dematerialization: Measures and Trends.” In *Technological Trajectories and the Human Environment*. Edited by Jesse H. Ausubel and H. Dale Langford. Washington, DC: National Academy Press, 1997. ISBN: 9780309051330.

Note that some of the references appear below.

READINGS BY SESSION

SES #	TOPICS	READINGS
Part I. The context		
1	Introduction: systems and complexities	<i>Required</i>
		Kates, Robert W. "Population, Technology, and the Human Environment: A Thread Through Time." In <i>Technological Trajectories and the Human Environment</i> . Edited by Jesse H. Ausubel and H. Dale Langford. Washington, DC: National Academy Press, 1997, pp. 33-55. ISBN: 9780309051330.
		McNeill, J. R. <i>Something New Under the Sun: An Environmental History of the Twentieth-century World</i> . New York, NY: W.W. Norton, 2000, chapters 1 and 2. ISBN: 9780393049176.
		Hardin, Garrett. "The Tragedy of the Commons." In <i>Economics of the Environment</i> . 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.
		<i>Recommended</i>
		Wernick, Iddo K., Robert Herman, Shekhar Govind, and Jesse H. Ausubel. "Materialization and Dematerialization: Measures and Trends." In <i>Technological Trajectories and the Human Environment</i> . Edited by Jesse H. Ausubel and H. Dale Langford. Washington, DC: National Academy Press, 1997, pp. 135-156. ISBN: 9780309051330.
2	The legacies of the 20th century	<i>Required</i>
		Vitousek, Peter M., Harold A. Mooney, Jane Lubchenco, and Jerry M. Melillo. "Human Domination of Earth's Ecosystems." <i>Science New Series</i> 277, no. 5325 (July 25, 1997): 494-499.
		Luterbacher, Urs, and Detlef F. Sprinz. "Problems of Global Environmental Cooperation." Chapter 1 in <i>International Relations and Global Climate Change</i> . Edited by Urs

SES #	TOPICS	READINGS
		<p>Luterbacher and Detleff F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p> <p>McNeill, J. R. <i>Something New Under the Sun: An Environmental History of the Twentieth-century World</i>. New York, NY: W.W. Norton, 2000, chapters 3 and 4. ISBN: 9780393049176.</p> <p><i>Recommended</i></p> <p>Skolnikoff, Eugene B. "Science and Technology: The Sources of Change." Chapter 7 in <i>Global Accord: Environmental Challenges and International Responses</i>. Edited by Nazli Choucri. Cambridge, MA: MIT Press, 1993. ISBN: 9780262032001.</p> <p><i>Required</i></p> <p>Tester, Jefferson W., Elisabeth M. Drake, Michael J. Driscoll, Michael W. Golay, and William A. Peters, eds. <i>Sustainable Energy: Choosing Among Options</i>. Cambridge, MA: MIT Press, 2005, chapters 1, 2, and 6. ISBN: 9780262201537.</p> <p>Bodansky, Daniel. "The History of the Global Climate Change Regime." Chapter 2 in <i>International Relations and Global Climate Change</i>. Edited by Urs Luterbacher and Detleff F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p>
3	International politics of climate change	<p>McNeill, J. R. <i>Something New Under the Sun: An Environmental History of the Twentieth-century World</i>. New York, NY: W.W. Norton, 2000, chapter 11. ISBN: 9780393049176.</p> <p>Choucri, Nazli, ed. <i>Global Accord: Environmental Challenges and International Response</i>. Cambridge, MA: MIT Press, 1995, chapter 1. ISBN: 9780262531344.</p> <p><i>Recommended</i></p> <p>Holling, C. S. "Sustainability: The Cross-Scale Dimension." In <i>Defining and Measuring Sustainability: The Biogeophysical Foundations</i>. Edited by Mohan Munasinghe and Walter Shearer. Washington, DC: The World Bank, 1995, pp. 65-75. ISBN: 9780821331347.</p>

SES #	TOPICS	READINGS
		<p><i>Required</i></p> <p>Clark, Ian. <i>Globalization and International Relations Theory</i>. Oxford, United Kingdom: Oxford University Press, 1999, chapters 4, 5, and 6. ISBN: 9780198782100.</p> <p>Rowlands, Ian. "Classical Theories of International Relations." Chapter 3 in <i>International Relations and Global Climate Change</i>. Edited by Urs Luterbacher and Detleff F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p>
4	International relations theory	<p>Litfin, Karen T. "The Greening of Sovereignty: An Introduction." In <i>The Greening of Sovereignty in World Politics</i>. Edited by Karen T. Litfin. Cambridge, MA: MIT Press, 1998, chapter 1. ISBN: 9780262621236.</p> <p><i>Recommended</i></p> <p>Clark, William C., Ronald B. Mitchell, and David W. Cash. "Evaluating the Influence of Global Environmental Assessments." Chapter 1 in <i>Global Environmental Assessments: Information and Influence</i>. Edited by Ronald B. Mitchell, William C. Clark, David W. Cash, and Nancy M. Dickson. Cambridge, MA: MIT Press, 2006. ISBN: 9780262633369.</p>
Part II. The global system		
		<p><i>Required</i></p> <p>Lofdahl, Corey L. <i>Environmental Impacts of Globalization and Trade: A Systems Study</i>. Cambridge, MA: MIT Press, 2002, chapters 1 and 2. ISBN: 9780262122450.</p>
5	The global system – whole and parts	<p>Paterson, Matthew. "Principles of Justice in the Context of Global Climate Change." Chapter 6 in <i>International Relations and Global Climate Change</i>. Edited by Urs Luterbacher and Detleff F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p>

SES #	TOPICS	READINGS
		<p>McNeill, J. R. <i>Something New Under the Sun: An Environmental History of the Twentieth-century World</i>. New York, NY: W.W. Norton, 2000, chapter 5. ISBN: 9780393049176.</p> <p><i>Recommended</i></p> <p>Gupta, Aarti. "Problem Framing in Assessment Processes: The Case of Biosafety." Chapter 3 in <i>Global Environmental Assessments: Information and Influence</i>. Edited by Ronald B. Mitchell, William C. Clark, David W. Cash, and Nancy M. Dickson. Cambridge, MA: MIT Press, 2006. ISBN: 9780262633369.</p> <p><i>Required</i></p> <p>Luterbacher, Urs. "Simulation Models, Global Environmental Change, and Policy." Chapter 9 in <i>International Relations and Global Climate Change</i>. Edited by Urs Luterbacher and Detlef F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p> <p>Bodansky, Daniel. "International Law and the Design of a Climate Change Regime." Chapter 10 in <i>International Relations and Global Climate Change</i>. Edited by Urs Luterbacher and Detlef F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p> <p>Intergovernmental Panel on Climate Change (IPCC). <i>IPCC Fourth Assessment Report: Climate Change 2007</i>.</p> <p><i>Recommended</i></p> <p>Torrance, Wendy E. F. "Science or Salience: Building an Agenda for Climate Change." Chapter 2 in <i>Global Environmental Assessments: Information and Influence</i>. Edited by Ronald B. Mitchell, William C. Clark, David W. Cash, and Nancy M. Dickson. Cambridge, MA: MIT Press, 2006. ISBN: 9780262633369.</p>
6	Climate change science – core elements	
7	Climate – political connections I – illustrative systems	<p><i>Required</i></p>

SES #	TOPICS	READINGS
		<p>McNeill, J. R. <i>Something New Under the Sun: An Environmental History of the Twentieth-century World</i>. New York, NY: W.W. Norton, 2000, chapters 6 and 7. ISBN: 9780393049176.</p> <p>Biermann, Frank. "Whose Experts? The Role of Geographic Representation in Global Environmental Assessments." Chapter 4 in <i>Global Environmental Assessments: Information and Influence</i>. Edited by Ronald B. Mitchell, William C. Clark, David W. Cash, and Nancy M. Dickson. Cambridge, MA: MIT Press, 2006. ISBN: 9780262633369.</p> <p>Wiegandt, Ellen. "Climate Change, Equity, and International Negotiations." Chapter 7 in <i>International Relations and Global Climate Change</i>. Edited by Urs Luterbacher and Detlef F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p> <p><i>Recommended</i></p> <p>Clark, William C., Ronald B. Mitchell, and David W. Cash. "Evaluating the Influence of Global Environmental Assessments." Chapter 1 in <i>Global Environmental Assessments: Information and Influence</i>. Edited by Ronald B. Mitchell, William C. Clark, David W. Cash, and Nancy M. Dickson. Cambridge, MA: MIT Press, 2006. ISBN: 9780262633369.</p>
8	Climate – political connections II – theoretical perspectives	<p><i>Required</i></p> <p>Haas, Peter M., with Jan Sundgren. "Evolving International Environmental Law: Changing Practices of National Sovereignty." In <i>Global Accord: Environmental Challenges and International Responses</i>. Edited by Nazli Choucri. Cambridge, MA: MIT Press, 1993, pp. 401-429. ISBN: 9780262032001.</p> <p>Ostrom, Elinor. <i>Governing the Commons: The Evolution of Institutions for Collective Action</i>. New York, NY: Cambridge University Press, 1990, chapter 6. ISBN: 9780521405997.</p>

SES #	TOPICS	READINGS
		McNeill, J. R. <i>Something New Under the Sun: An Environmental History of the Twentieth-century World</i> . New York, NY: W.W. Norton, 2000, chapters 8, 9, and 10. ISBN: 9780393049176.
		<i>Recommended</i>
		Barzel, Yoram. <i>Economic Analysis of Property Rights</i> . 2nd ed. Cambridge, UK: Cambridge University Press, 1997, chapters 1 and 5. ISBN: 9780521597135.
		<i>Required</i>
		Ostrom, Elinor. "New Horizons in Institutional Analysis." <i>American Political Science Review</i> 89, no. 1 (1995): 174-178.
		Sprinz, Detlef F., and Martin Weib. "Domestic Politics and Global Climate Policy." Chapter 4 in <i>International Relations and Global Climate Change</i> . Edited by Urs Luterbacher and Detlef F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.
9	International law and environmental regimes	Metrick, Andrew, and Martin L. Weitzman. "Conflicts and Choices in Biodiversity Preservation." Chapter 28 in <i>Economics of the Environment</i> . 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.
		<i>Recommended</i>
		Sands, Philippe. "International Law in the Field of Sustainable Development: Emerging Legal Principles." In <i>Sustainable Development and International Law</i> . Edited by Winfried Lang. Boston, MA: Graham & Trotman/Martinus Nijhoff, 1995, pp. 53-66. ISBN: 9781859661796.
Part III. International politics of response		
		<i>Required</i>
10	Global accord – comparative cases I and II	Mitchell, Ronald B. "Institutional Aspects of Implementation, Compliance, and Effectiveness." Chapter 11 in <i>International Relations and Global Climate Change</i> . Edited

SES #	TOPICS	READINGS
		<p>by Urs Luterbacher and Detlef F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p> <p>Sprinz, Detlef F. "Comparing the Global Climate Regime with Other Global Environmental Accords." Chapter 12 in <i>International Relations and Global Climate Change</i>. Edited by Urs Luterbacher and Detlef F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p> <p><u>Convention on Biological Diversity</u>. (Locate text on its Web site).</p> <p><u>United Nations Framework Convention on Climate Change</u>. (Locate text on its Web site).</p> <p><u>Kyoto Protocol</u>. (Locate text on its Web site).</p> <p><i>Recommended</i></p> <p>Luterbacher, Urs, and Carla Norrlof. "The Organization of World Trade and the Climate Regime." Chapter 13 in <i>International Relations and Global Climate Change</i>. Edited by Urs Luterbacher and Detlef F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p>
11	What next: highlights and conclusion	<p><i>Required</i></p> <p>Jacoby, Henry D., et al. "Kyoto's Unfinished Business." In <i>Economics of the Environment</i>. 5th ed. Edited by Robert N. Stavins. New York, NY: W.W. Norton, 2005. ISBN: 9780393927016.</p> <p>McNeill, J. R. <i>Something New Under the Sun: An Environmental History of the Twentieth-century World</i>. New York, NY: W.W. Norton, 2000, chapter 12. ISBN: 9780393049176.</p> <p>Luterbacher, Urs, and Detlef F. Sprinz. "Conclusions." Chapter 14 in <i>International Relations and Global Climate Change</i>. Edited by Urs Luterbacher and Detlef F. Spriz. Cambridge, MA: MIT Press, 2001. ISBN: 9780262621496.</p>

