

Globalization, Technological Change, and Regulatory Harmonization Public Affairs 859

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Thursday, 1:20-3:15 p.m.
53 Bascom Hall

Office Hours: Monday, 2:30-4:30.

Course Objectives

The expansion of technological systems around the world and the demands it creates for countries to adopt common regulatory concepts, standards, and practices have become one of the most important driving forces behind globalization and the emergence of sentiments of anti-globalization. In this course, students will learn to think critically about the relationships among technology, globalization, and regulatory harmonization through readings and writings that combine sophisticated theoretical tools and conceptual models with detailed case studies of particular technologies and international institutions.

In relation to this overall goal, the four sections of this course are designed to deepen students' knowledge of several important features of contemporary world affairs:

- Processes of technological standardization and their relationship to processes of globalization and the emergence of anti-globalization resistance movements.
- Interconnections among social and technological change in modern societies.
- Comparative aspects of risk management and political culture and the challenges they pose to regulatory harmonization.
- International institutions and their role in promoting and managing international harmonization of regulatory standards and practices.

Course Requirements

The course grade will be determined as follows:

- *Classroom participation and reading* (20%). Students are expected to attend all class sessions, to come to class having mastered the readings, and to participate fully in classroom discussions.
- *Mid-term exam* (30%). A take-home mid-term exam will be given to students on March 21. It will be due April 4. Students may discuss the exam with one another, but all work presented on the exam must be the student's own.
- *Research paper and oral presentation* (50%). Students will prepare a major research paper examining the relationship between globalization, technological change, and regulatory harmonization in a specific arena of international affairs. The paper must be 20-25 pages in length, double spaced, and is due on the final day of class (May 9, 2002). Students will give oral presentations of their research to the class during the final three weeks of the semester. Students must identify a research topic and have it approved by the instructor by the third week of the class and are strongly encouraged to discuss their topic and ongoing research with me on a regular basis. The paper should include a review of the relevant literature on

the topic. Some illustrative arenas include: the UN specialized agencies; agricultural research and production; genetic engineering; climate change; banking, finance, and securities exchange; information and communications technology.

Course Outline

Most course readings can be found on the College Library E-Reserve Webpages. To find these readings, go to the College Library homepage and click on “e-reserves”. Then, follow the links through to Public Affairs 974. Be aware that other sections of 974 are also listed on this page. To go directly to the course page, use the following address:

<http://www.library.wisc.edu/libraries/College/circreserve/ereserves/pbaff/pbaff974/pbaff974.htm>

A few readings are accessed electronically through alternative databases. These are marked with either a * or an @.

* - These readings are located on JSTOR. Go to www.jstor.org and browse journal titles. Click sequentially on the journal title, volume number, issue number, and then article.

@ - These readings are located through the UW electronic library databases. Go to the UW Libraries homepage and click on “Journals, Magazines, and Newspapers.” Then, click on the “Proquest Research Library – Social Sciences” database. Use the search engine to locate the article you want. I usually find searching on the article’s title works best.

Finally, there is one book for the course: Sheila Jasanoff, *Risk Management and Political Culture*, which is marked with an & in the list below. Barnes and Noble (www.bn.com) claims to have this book in stock if you want to purchase it through their webpage. I have also asked the College Library to put this book on reserve.

I. Perspectives on Globalization

1. Course Introduction
2. Technology and Interdependence
 - a. Robert Keohane and Joseph Nye (2001). *Power and Interdependence* (New York: Longman). Chap. 10. “Power, Interdependence, and Globalism.”
 - b. Rosenau, J. N. (1992). “The Relocation of Authority in a Shrinking World.” *Comparative Politics* 24(3): 253-72.
 - c. James L. Watson (1997). “Transnationalism, Localization, and Fast Foods in East Asia.” In James L. Watson, ed., *Golden Arches East: McDonald’s in East Asia* (Stanford, CA: Stanford University Press).
3. Globalizing Worldviews

- a. Taylor, P. and F. Buttel (1992). "How Do We Know We Have Global Environmental Problems? Science and the Globalization of Environmental Discourse." *Geoforum* **23**: 405-416.
 - b. *Ashley, R. K. (1983). "The Eye of Power: The Politics of Global Modeling." *International Organization* **37**(3): 495-535.
 - c. Jasanoff, S. (2001). "Image and Imagination: The Emergence of Global Environmental Consciousness." In C. Miller and P. Edwards, eds. *Changing the Atmosphere: Expert Knowledge and Environmental Governance*. Cambridge, MA, MIT Press.
 - d. Miller, C. A. (forthcoming). "The Globalization of Human Affairs: A Reconsideration of Science, Political Economy, and World Order," In M. Tetreault, R. Denemark, K. Burch, and K. Thomas, eds., *New Odysseys in International Political Economy: International Political Economy Yearbook, 2001* (New York, Routledge).
4. Transnational Networks and NGOs
 - a. @Mathews, J. T. (1997). "Power-shift." *Foreign Affairs* **76**(1): 50-67.
 - b. @Slaughter, A.-M. (1997). "The Real New World Order." *Foreign Affairs* **76**(5): 183-197.
 - c. *Haas, P. (1992). "Epistemic Communities and International Policy Coordination." *International Organization* **46**(1): 1-36.
 - d. Jasanoff, S. (2000). "NGOs and the Environment: From Knowledge to Action." *Third World Quarterly* **18**(3): 579-594.
 5. Globalization's Discontents
 - a. Frederick Buttel, (2000). "Some Thoughts on the Anti-globalization Movement." Paper presented to the American Sociological Association. Anaheim, CA. August.
 - b. Reardon, J. (2001). "The Human Genome Diversity Project." *Social Studies of Science* **31**(3): 365-396.
 - c. Miller, C. A. (forthcoming). "Resisting Empire: Globalism, Relocalization, and the Politics of Knowledge." In M. Long and S. Jasanoff, eds., *Local Knowledge and the Global Environment*.
 - d. O'Brien, R., A. M. Goetz, J. A. Scholte, and M. Williams, *Contesting Global Governance: Multilateral Economic Institutions and Global Social Movements*, Cambridge, UK: Cambridge University Press. Chapter 5.

II. Understanding Technological Change

6. Technological Systems
 - a. Winner, L. (1986) *The Whale and the Reactor: A Search for Limits in an Age of High Technology*. Chicago, University of Chicago Press. Chap. 1 "Technologies as Forms of Life" and Chap. 2, "Do Artifacts Have Politics?"
 - b. Thomas Hughes (1987) "The Evolution of Large Technological Systems," in W. Bijker, T. Hughes, and T. Pinch, eds., *The Social Construction of Technological Systems*, Cambridge, MA: MIT Press.

- c. Thomas Hughes (1983) *Networks of Power: Electrification in Western Society, 1880-1930*. Baltimore, MD: Johns Hopkins University Press. Chapter 1. "Introduction." 1-17.
- d. Nye, D. (1988) *Electrifying America: Social Meanings of a New Technology 1880-1940*. Cambridge, MA: MIT Press. Chapter 1. "Middletown Lights Up."
- e. Smith, M. R. (1994). "Technological Determinism in American Culture," In M. R. Smith and L. Marx, eds., *Does Technology Drive History?* (Cambridge, MA: MIT Press).

7. Framing Risks and Policy

- a. Miller, C. A. (2000). "Framing Environmental Values and Policy: Four Models of Societal Processes." *Environmental Values* **9**: 211-233.
- b. Krimsky, S. and A. Plough (1988). *Environmental Hazards: Communicating Risks as a Social Process*. Dover, MA, Auburn House. Chap. 3 "The Release of Genetically Engineered Organisms into the Environment: The Case of Ice Minus."
- c. Cronon, W. (1992). "A Place for Stories: Nature, History, and Narrative." *Journal of American History* **March**: 1347-1376.
- d. Fairhead, J. and M. Leach (1996). "Rethinking the Forest-Savanna Mosaic: Colonial Science and its Relics in West Africa." In M. Leach and R. Mearns, eds. *The Lie of the Land: Challenging Received Wisdom on the African Environment*. London, International African Institute.

8. Technology, Identity, and Culture

- a. Cussins, C. M. (1998). "Quit Sniveling, Cryo-Baby. We'll Work Out Which One's Your Mama!" *Cyborg Babies: From Techno-Sex to Techno-Tots*. R. Davis-Floyd and J. Dumit. New York, NY, Routledge.
- b. Jasanoff, S. (1996). *Science at the Bar: Law, Science and Technology in America*. Cambridge, MA, Harvard University Press. Chap. 8 "Family Affairs."
- c. Mulkay, M. (1995). "Galileo and the Embryos: Religion and Science in Parliamentary Debate on Human Embryos." *Social Studies of Science* **25**: 499-532.

9. Managing Technological and Social Change

- a. Rabinbach, A. (1996). "Social Knowledge, Social Risk, and the Politics of Industrial Accidents in Germany and France," in D. Rueschemeyer and T. Skocpol, eds., *States, Social Knowledge, and the Origins of Modern Social Policies* (Princeton: Princeton University Press).
- b. Dennis, M. (1994). "'Our First Line of Defense' Two University Laboratories in the Postwar American State." *Isis* **85**(3): 427-455.
- c. Ezrahi, Y. (1994). "Technology and the Illusion of the Escape from Politics." In Y. Ezrahi, E. Mendelsohn, and H. Segal, eds., *Technology, Pessimism, and Postmodernism*. (Dordrecht: Kluwer).

- d. Wynne, B. (1995). "Misunderstood Misunderstandings: Social Identities and the Public Uptake of Science." In *Misunderstanding Science? The Public Reconstruction of Science*. A. Irwin and B. Wynne. Cambridge, UK, Cambridge University Press.
- e. Scott, J. (1998). *Seeing Like a State: How Certain Schemes to Improve the Human Condition Have Failed*. New Haven, CT, Yale University Press. Chap. 8. "Compulsory Villagization in Tanzania: Aesthetics and Miniaturization."

III. Regulatory Harmonization

10. Risk Management and Political Culture

- a. & Jasanoff, S. (1986). *Risk Management and Political Culture*. New York, NY, Russell Sage Foundation.
- b. Wittrock, B. and P. Wagner (1996). "Social Science and the Building of the Early Welfare State: Toward a Comparison of Statist and Non-statist Western Societies," in D. Rueschemeyer and T. Skocpol, eds., *States, Social Knowledge, and the Origins of Modern Social Policies* (Princeton: Princeton University Press).
- c. Daemrich, A. and G. Krucken. (2000). "Risk vs. Risk: Decisionmaking dilemmas of drug regulation in the U.S. and Germany," *Science as Culture* 9(4): 505-534.

11. Harmonizing Regulations

- a. Jasanoff, S. (1998). "Harmonization: The Politics of Reasoning Together," in R. Bal and W. Halffman, eds., *The Politics of Chemical Risk*. Dordrecht, Netherlands: Kluwer Academic Publishers.
- b. Waterton, C. and B. Wynne (1996). "Building the European Union: Science and the Cultural Dimensions of Environmental Policy." *Journal of European Public Policy* 3(3): 421-440.
- c. Miller, C. A. (2001). "Challenges to the Application of Science to Global Affairs: Contingency, Trust, and Moral Order." In C. A. Miller and P. N. Edwards, eds. *Changing the Atmosphere: Expert Knowledge and Environmental Governance*. Cambridge, MA, MIT Press.

12. Managing International Regimes

- a. *Chayes, A. and A. H. Chayes (1993). "On Compliance." *International Organization* 47(2): 175-206.
- b. Haas, P. and E. Haas (1995). "Learning to Learn: Improving International Governance." *Global Governance* 1: 255-285.
- c. Jacobson, H. and Weiss, E. (1995). "Strengthening Compliance with International Environmental Accords: Preliminary Observations from a Collaborative Project," *Global Governance* 1: 119-148.

IV. Case Studies of Regulatory Harmonization

13. Student Presentations for final three weeks of the semester.