

Specialization Exam Reading List
Sociology of Knowledge, Science and Technology

Books

Alder, Ken. 1997. *Engineering the Revolution: Arms and Enlightenment in France, 1763-1815*. Princeton, New Jersey: Princeton University Press.

Austin, J. L. 1975. *How to Do Things With Words*. Second Edition. Cambridge, MA: Harvard University Press.

Beck, Ulrich. 1992. *Risk Society: Towards a New Modernity*. London, UK: SAGE Publications.

Berger, Peter L., and Thomas Luckman. 1966. *The Social Construction of Reality: A Treatise in the Sociology of Knowledge*. New York: Random House.

Bijker, Wiebe E., Thomas P. Hughes, and Trevor Pinch, eds. 2012. *The Social Construction of Technological Systems: New Directions in the Sociology and History of Technology*. 25th Anniversary Edition. Cambridge, MA: Massachusetts Institute of Technology Press.

Bloor, David. 1976. *Knowledge and Social Imagery*. Boston, MA: Routledge.

Bourdieu, Pierre. 1980. *The Logic of Practice*. Stanford, CA: Stanford University Press.

Bourdieu, Pierre. 1988. *Homo Academicus*. Stanford, CA: Stanford University Press.

Bowker, Geoffrey C., and Susan Leigh Star. 1999. *Sorting Things Out: Classification and Its Consequences*. Cambridge, MA: The MIT Press.

Canguilhem, Georges. 1989. *The Normal and the Pathological*. New York: Urzone, Inc.

Crosby, Alfred W. 1997. *The Measure of Reality: Quantification and Western Society, 1250-1600*. Cambridge, UK: Cambridge University Press.

Durkheim, Emile, and Marcel Mauss. 1963. *Primitive Classification*. Chicago, IL: The University of Chicago Press.

Fleck, Ludwik. 1979. *Genesis and Development of a Scientific Fact*. edited by Thaddeus Trenn and

Robert K. Merton. Chicago, IL: The University of Chicago Press.

Foucault, Michel. 1970. *The Order of Things: An Archaeology of the Human Sciences*. New York: Random House.

Gadamer, Hans-Georg. 2004. *Truth and Method*. Second, Revised Edition. London, UK: Continuum Publishing Group.

Gieryn, Thomas F. 1999. *Cultural Boundaries of Science: Credibility on the Line*. Chicago, IL: The University of Chicago Press.

Hacking, Ian. 1983. *Representing and Intervening: Introductory Topics in the Philosophy of Natural Science*. New York: Cambridge University Press.

Hacking, Ian. 1990. *The Taming of Chance*. Cambridge, UK: Cambridge University Press.

Hacking, Ian. 1999. *The Social Construction of What?* Cambridge, MA: Harvard University Press.

Haraway, Dona J. 1997. *Modest_Witness@Second_Millennium.FemaleMan_Meets_OncoMouse: Feminism and Technoscience*. New York: Routledge.

Knorr-Cetina, Karin. 1999. *Epistemic Cultures: How the Sciences Make Knowledge*. Cambridge, MA: Harvard University Press.

Kuhn, Thomas S. 1990. *The Structure of Scientific Revolutions*. Second Edition, Enlarged. Chicago, IL: The University of Chicago Press.

Latour, Bruno. 1987. *Science in Action: How to Follow Scientists and Engineers Through Society*. Cambridge, MA: Harvard University Press.

Latour, Bruno. 1999. *Pandora's Hope: Essays on the Reality of Science Studies*. Cambridge, MA: Harvard University Press.

Law, John. 2004. *After Method: Mess in Social Science Research*. New York: Routledge.

Law, John, and John Hassard, eds. 1999. *Actor Network Theory and After*. Oxford, UK: Blackwell

Publishing.

Lynch, Michael. 1993. *Scientific Practice and Ordinary Action: Ethnomethodology and Social Studies of Science*. Cambridge, UK: Cambridge University Press.

Mannheim, Karl. 1959. *Ideology and Utopia: An Introduction to the Sociology of Knowledge*. New York: Harvest Books.

McCarthy, E. Doyle. 1996. *Knowledge as Culture: The New Sociology of Knowledge*. Rutledge: New York.

Porter, Theodore M. 1995. *Trust in Numbers: The Pursuit of Objectivity in Science and Public Life*. Princeton, New Jersey: Princeton University Press.

Rose, Nikolas. 2007. *The Politics of Life Itself: Biomedicine, Power, and Subjectivity in the Twenty-First Century*. Princeton, New Jersey: Princeton University Press.

Sayer, Andrew. 2000. *Realism and Social Science*. Thousand Oaks, CA: SAGE Publications.

Schutz, Alfred. 1967. *The Phenomenology of the Social World*. Evanston, IL: Northwestern University Press.

Shapin, Steven. 1994. *A Social History of Truth: Civility and Science in Seventeenth-Century England*. Chicago, IL: The University of Chicago Press.

Shapin, Steven, and Simon Shaffer. 1985. *Leviathan and the Air-Pump: Hobbes, Boyle, and the Experimental Life*. 2011 Edition. Princeton, New Jersey: Princeton University Press.

Taylor, Charles Alan. 1996. *Defining Science: A Rhetoric of Demarcation*. Madison, WI: The University of Wisconsin Press.

Articles and Chapters

Alder, Ken. 1998. "Making Things the Same: Representation, Tolerance and the End of the Ancien Regime in France." *Social Studies of Science* 28(4):499–545.

Beck, Ulrich, and Peter Wehling. 2012. "The Politics of Non-Knowing: An Emerging Area of Social and Political Conflict in Reflexive Modernity." Pp. 33–57 in *The Politics of Knowledge*, edited by

Fernando Dominguez Rubio and Patrick Baert. New York: Routledge.

Becker, Howard S. 1967. "Whose Side Are We On." *Social Problems* 14(3):239–47.

Callon, Michel. 1986. "Some Elements of a Sociology of Translation: Domestication of the Scallops and the Fisherman of St Brieuc Bay." Pp. 196–223 in *Power, Action and Belief: A New Sociology of Knowledge?* London, UK: Routledge.

Camic, Charles, and Neil Gross. 2001. "The New Sociology of Ideas." Pp. 236–49 in *The Blackwell Companion to Sociology*. Oxford, UK: Blackwell Publishers, Inc.

Collins, H. M. 1974. "The TEA Set: Tacit Knowledge and Scientific Networks." *Science Studies* 4(2):165–86.

Collins, H. M., and Robert Evans. 2002. "The Third Wave of Science Studies: Studies of Expertise and Experience." *Social Studies of Science* 32(2):235–96.

De Laet, Marianne, and Annemarie Mol. 2000. "The Zimbabwe Bush Pump: Mechanics of a Fluid Technology." *Social Studies of Science* 30(2):225–63.

Frickel, Scott, and Neil Gros. 2005. "A General Theory of Scientific/Intellectual Movements." *American Sociological Review* 70(2):204–32.

Hacking, Ian. 1999. "Making Up People." Pp. 161–71 in *The Science Studies Reader*, edited by Mario Biagioli. New York: Routledge.

Jasanoff, Sheila. 1987. "Contested Boundaries in Policy-Relevant Science." *Social Studies of Science* 17(2):195–230.

Jasanoff, Sheila. 2003. "(No?) Accounting for Expertise." *Science and Public Policy* 30(3):157–62.

Jasanoff, Sheila. 2004. "Ordering Knowledge, Ordering Society." Pp. 13–45 in *States of Knowledge: The Co-production of Science and Social Order*, edited by Sheila Jasanoff. London, UK: Routledge.

Mackenzie, Donald. 1993. "Negotiating Arithmetic, Constructing Proof: The Sociology of Mathematics and Information Technology." *Social Studies of Science* 23:37–65.

Martin, Brian, and Evelleen Richards. 1995. "Scientific Knowledge, Controversy, and Public Decision Making." Pp. 506–26 in *Handbook of Science and Technology Studies*. Thousand Oaks, CA: SAGE Publications.

Merton, Robert, K. 1973. "The Normative Structure of Science." Pp. 267–78 in *The Sociology of Science: Theoretical and Empirical Investigations*, edited by Norman W. Storer. Chicago, IL: The University of Chicago Press.

Rorty, Richard. 1991a. "Is Natural Science a Natural Kind?" Pp. 46–63 in *Objectivity, Relativism, and Truth*. New York: Cambridge University Press.

Rorty, Richard. 1991. "Science as Solidarity." Pp. 34–45 in *Objectivity, Relativism, and Truth*. New York: Cambridge University Press.

Rorty, Richard, and Michael Krausz. 1989. "Solidarity or Objectivity?" Pp. 35–50 in *Relativism: Interpretation and Confrontation*. Notre Dame, Indiana: University of Notre Dame Press.

Shaffer, Simon. 1991. "The Eighteenth Brumaire of Bruno Latour." *Studies in History and Philosophy of Science* 22(1):174–92.

Star, Susan Leigh. 1985. "Scientific Work and Uncertainty." *Social Studies of Science* 15(3):391–427.

Star, Susan Leigh, and James R. Griesemer. 1989. "Institutional Ecology, 'Translations' and Boundary Objects: Amateurs and Professionals in Berkley's Museum of Vertebrate Zoology, 1907-39." *Social Studies of Science* 19(3):387–420.

Weber, Max. 1946. "Science as a Vocation." Pp. 129–156 in *From Max Weber: Essays in Sociology*, edited by H.H. Gerth and C. Wright Mills. New York: Oxford University Press.

Woolgar, Steve, and Dorothy Pawluch. 1985. "Ontological Gerrymandering: The Anatomy of Social Problem Explanations." *Social Problem* 32(3):214–27.

