

Sociology of Science, Knowledge, and Innovation

Comprehensive Exam Reading List
School of Sociology, University of Arizona
Revised Spring 2026

FOUNDATIONS

Merton, Robert K (1973)[1942]. The Sociology of Science, edited by Norman Storer. Chp 1, 5, 13, 18, and 20.

Berger, Peter L., and Thomas Luckmann (1966). The Social Construction of Reality: A Treatise in the Sociology of Knowledge. Garden City, NY: Anchor Books

Whitley, R. (2000). The Intellectual and Social Organization of the Sciences. England: Oxford University Press. Introduction & Chapter 1.

Mannheim, Karl (1985) [1929]. Ideology and Utopia: An Introduction to the Sociology of Knowledge. Section V, "The Sociology of Knowledge," Pp. 237-280

Bourdieu, Pierre (2004). Science of Science and Reflexivity. Chicago: University of Chicago Press. Pp. 4-71

Bourdieu, Pierre (1975). "The Specificity of the Scientific Field and the Social Conditions of the Progress of Reason." *Social Science Information* 14(6): 19-47.

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KNOWLEDGE FORMS AND DYNAMICS

Kuhn, Thomas S. (1962) [1996]. The Structure of Scientific Revolutions, 3rd edition. Chicago: University of Chicago.

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Polanyi, Michael (2009) [1966]. The Tacit Dimension. Chicago: University of Chicago Press.

Frickel, Scott and Neil Gross (2005). "A General Theory of Scientific/Intellectual Movements." *American Sociological Review* 70(2): 204-232

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Bloor, David. 1976. Knowledge and Social Imagery. Routledge.

SCIENTIFIC COMMUNITY, COMMUNICATION, AND DISCOURSE

Leahey, Erin, and Cindy L. Cain (2013). "Straight from the Source: Accounting for Scientific Success." *Social Studies of Science* 43(6): 927-951.

Evans, James (2008). "Electronic Publication and the Narrowing of Science and Scholarship." *Science* 321:395-399.

Gilbert, Nigel and Michael Joseph Mulkay (1984). Opening Pandora's Box: A Sociological Analysis of Scientists' Discourse. Pp. 1-62. Cambridge University Press.

Gieryn, Thomas (1982). "Relativist/Constructivist Programmes in the Sociology of Science: Redundance and Retreat." *Social Studies of Science* 12: 279-97.

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

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

Latour, Bruno and Steven Woolgar. 1979 [1986]. Laboratory Life: The Construction of Scientific Facts. Princeton, NJ: Princeton University Press.

Leydesdorff, Loet. 1998. "Theories of Citation?" *Scientometrics* 43(1):5-25.

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Shapin, Stephen and Simon Shaffer. 1985. Leviathan and the Air-Pump: Hobbes, Boyle, and the Experimental Life. Princeton University Press.

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NETWORKS, NOVELTY, AND INNOVATION

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Leahey, Erin, Jina Lee, and Russell J. Funk (2023). "What Types of Novelty Are Most Disruptive?" *American Sociological Review* 88(3): 562-597.

Kuhn, Thomas (1959). "The Essential Tension: Tradition and Innovation in Scientific Research?" Chp 9 (pp 225-239) in Kuhn's Selected Studies in Scientific Tradition and Change. University of Chicago Press.

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UNIVERSITIES, RESEARCH CENTERS, AND KNOWLEDGE BEYOND THE ACADEMY

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Biancani, Susan, Linus Dahlander, Daniel A. McFarland, and Sanne Smith. 2018. "Superstars in the Making? The Broad Effects of Interdisciplinary Centers." *Research Policy* 47(3):543–57.

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Azoulay, Pierre, Toby Stuart, and Yanbo Wang. 2013. "Matthew: Effect or Fable?" *Management Science* 60(1):92–109.

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EXPERTISE AND THE PROFESSIONS

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GLOBAL, INTERNATIONAL, AND POLITICAL DIMENSIONS

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INSTITUTIONS, BOUNDARIES, AND CATEGORIES

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