

HISTORIA DE LA CIENCIA I
Historiografías e Historias de las Ciencias en el Mundo Contemporáneo

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OBJETIVOS GENERALES:

1. El alumno identificará las principales posiciones historiográficas en la historia de la ciencia.
2. El alumno reconocerá los argumentos que se han suscitado alrededor de cada una de las concepciones historiográficas analizadas.
3. El alumno examinará algunos episodios paradigmáticos en la historia de la ciencia, a la luz de diversas perspectivas historiográficas.

TEMARIO:

1. Historiografías de la Ciencia en el mundo occidental

Christie, J. R. R. , 1990. "The development of the historiography of science," in R. C. Olby, G. N. Cantor, J. R. R. Christie, and M. S. Hodge, eds., *Companion to the history of modern science*, Routledge Companion Encyclopedias, London, pp. 4-22.

Suárez, Edna, 2005, "La historiografía de la ciencia", en Sergio F. Martínez y Godfrey Guillaumin (comps.), *Historia, Filosofía y Enseñanza de la ciencia*, UNAM, México, pp. 17-42.

Shapin, Steven, 1992. "Discipline and bounding: The History and Sociology of Science as seen through the externalism-internalism debate", *History of Science*, XXX: 333-369.

Laudan, Rachel, 2005. "La 'nueva' historia de la ciencia: Implicaciones para la filosofía de la ciencia", en Sergio F. Martínez y Godfrei Guillaumin, *Historia, filosofía y enseñanza de la ciencia*, IIF-UNAM, pp. 121-130.

2. Historiografías de la Ciencia en América Latina

Saldaña, Juan José, 1992. "Acerca de la historia de la ciencia nacional", en J. J. Saldaña, *Los orígenes de la ciencia nacional*, Cuadernos de Quipu 4, Sociedad Latinoamericana de Historia de las Ciencias y la Tecnología-Facultad de Filosofía y Letras, UNAM, pp. 9-54.

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Gorbach, Frida y Carlos López Beltrán, 2008. "Apuntes para ubicar nuestras historias de las ciencias", en Frida Gorbach y Carlos López Beltrán (editores), *Saberes locales. Ensayos sobre historia de la ciencia en América Latina*, El Colegio de Michoacán, México, pp.11-38.

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3. Polémicas en la Historia de la Ciencia

Hessen, Boris, (1931) 1989. "Las raíces socioeconómicas de la mecánica de Newton", en Juan José Saldaña (editor), *Introducción a la teoría de la historia de las ciencias*, SUAFyL-UNAM, México, pp. 79-145.

Koyré, Alexandre, (1961), 1978. "Perspectivas de la historia de las ciencias", *Estudios de historia del pensamiento científico*, Siglo XXI Editores, pp. 147-157.

Lindberg, David C., "Conceptions of Scientific Revolution from Bacon to Butterfield. A preliminary Sketch", en David C. Lindberg y Robert S. Westman (eds.), *Reappraisals of the Scientific Revolution*, Cambridge University Press, pp. 1-55.

Cunningham, Andrew and Perry Williams, 1993. "De-centring the' big picture': *The Origins of Modern Science and the modern origins of Science*", *The British Journal for the History of Science*, 26:407-432.

4. La ciencia como práctica social y cultural

Fleck, Ludwik, 1986. *La génesis y desarrollo de un hecho científico*, Alianza Editorial, Capítulos 1, 2 y 4.

Kuhn, Thomas S., (1962) 1971. *La estructura de las revoluciones científicas*, Fondo de Cultura Económica, México, Capítulos 1, 2 y 7.

Latour, Bruno, 1983. "Give a Laboratory and I Will Raise the World", in Knorr-Cetina, K. D. And Mulkay, M. J. (eds.), *Science observed: Perspectives on the Social Studies of Science*, Sage, London, pp. 141-169.

Lafuente, Antonio, 1999. "El sensire aude de Buffon. Escritura y público de la ciencia popular de la Ilustración", en Antonio Lafuente y Javier Moscoso,

Georges-Louis Leclerc Conde de Buffon (1707-1788), Consejo Superior de Investigaciones Científicas, Madrid, pp. IX-LXIII.

5. Ciencia y público

Broman, Thomas, 1998. "The Habermasian Public Sphere and 'Science in the Enlightenment'", *History of Science*, XXXVI, pp. 123-149.

Cooter, Roger and Stephen Pumfrey, 1994. "Separate Spheres and Public Places: Reflections on the History of Science Popularization and Science in Popular Culture", *History of Science*, XXXII, pp. 237-267.

6. El giro espacial en la Historia de la Ciencia

Ophir, Adi and Steven Shapin, "The Place of Knowledge. A Methodological Survey", *Science in Context*, 4, (1), 1991, pp. 3-21.

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7. Nuestras historias de la ciencia

Nieto Olarte, Mauricio 2009. "Ciencia, imperio, modernidad y eurocentrismo: el mundo atlántico del siglo XVI y la comprensión del Nuevo Mundo", *Historia Crítica*, Edición Especial, Bogotá, pp. 12-32.

Barrera, Antonio, 2006. *Experiencing Nature. The Spanish American Empire and the Scientific Revolution*, Introducción y capítulos 2 y 3.

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- Cohen I. B., "History and the Philosopher of Science" en Suppe F. *The Structure of Scientific Theories*, 1974 (versión española de 1979 en Editora Nacional).
- Darnton, Robert, "La gran matanza de gatos y otros episodios en la historia de la cultura francesa", FCE, México, pp. 109-147, 2006.
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- Hacking, Ian, "Styles of Scientific Thinking and Reasoning: A new analytical tool for historians and philosophers of science" en K. Gavroglu et. al. (eds), *Trends in the Historiography of Science*, Kluwer, 1994, pp.31-48.

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