

Gender and Science: Reading List

Suggested reading before the course:

Noble, Safiya Umoja. "Algorithms of oppression." In *Algorithms of Oppression*. New York University Press, 2018.

Traweek, Sharon. *Beamtimes and lifetimes*. Harvard University Press, 2009.

Additional course readings:

Berry, Maya J., Claudia Chávez Argüelles, Shanya Cordis, Sarah Ihmoud, and Elizabeth Velásquez Estrada. "Toward a fugitive anthropology: Gender, race, and violence in the field." *Cultural Anthropology* 32, no. 4 (2017): 537-565.

Chen, Christine Y., Sara S. Kahanamoku, Aradhna Tripathi, Rosanna A. Alegado, Vernon R. Morris, Karen Andrade, and Justin Hosbey. 2022. "Decades of Systemic Racial Disparities in Funding Rates at the National Science Foundation." *OSF Preprints*. July 1. doi:10.31219/osf.io/xb57u

Chimba, Mwenya, and Jenny Kitzinger. "Bimbo or boffin? Women in science: an analysis of media representations and how female scientists negotiate cultural contradictions." *Public Understanding of Science* 19, no. 5 (2010): 609-624.

Gonsalves, Allison J., and Anna T. Danielsson. "Introduction: Why Do We Need Identity in Physics Education Research?." In *Physics Education and Gender*, pp. 1-8. Springer, Cham, 2020.

Haraway, Donna J. *Primate visions: Gender, race, and nature in the world of modern science*. Routledge, 2013. (Excerpted sections to be selected)

Martin, Emily. "The egg and the sperm: How science has constructed a romance based on stereotypical male-female roles." *Signs: Journal of Women in Culture and Society* 16, no. 3 (1991): 485-501.

Nash, Meredith, and Robyn Moore. "'I was completely oblivious to gender': an exploration of how women in STEMM navigate leadership in a neoliberal, post-feminist context." *Journal of Gender Studies* 28, no. 4 (2019): 449-461.

Nash, Meredith, Hanne EF Nielsen, Justine Shaw, Matt King, Mary-Anne Lea, and Narissa Bax. "'Antarctica just has this hero factor...': Gendered barriers to Australian Antarctic research and remote fieldwork." *PLoS One* 14, no. 1 (2019): e0209983.

Ong, Maria. "Body projects of young women of color in physics: Intersections of gender, race, and science." *Social problems* 52, no. 4 (2005): 593-617.

Prescod-Weinstein, Chanda. "Making Black women scientists under white empiricism: the racialization of epistemology in physics." *Signs: Journal of Women in Culture and Society* 45, no. 2 (2020): 421-447.

Schuller, Kyla. *The biopolitics of feeling: Race, sex, and science in the nineteenth century*. Duke University Press, 2018. (Excerpted sections to be selected)

Willey, Angela, and Sara Giordano. ““Why Do Voles Fall in Love?”: Sexual Dimorphism in Monogamy Gene Research.” In *Queer Feminist Science Studies: A Reader*, edited by Angela Willey, Cyd Cipolla, Kristina Gupta, and David A. Rubin, 254–67. University of Washington Press, 2017. <http://www.jstor.org/stable/j.ctvcwn8vd.24>.

100 additional pages will be added by the teachers, in conversation with the course participants