



**Literature for HEKM20, Human Ecology: Transdisciplinary  
Critical Theories of Science, Part 1 applies from autumn  
semester 2021**

**Literature established by the board of the Department of Human Geography  
on 2021-09-07 to apply from 2021-09-30**

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See appendix.

## Literature for HEKM20: Transdisciplinary Critical Theories of Science, Part 1 applies from autumn semester 2021

Literature established by the board of the Department of Human Geography on 2021-09-07 to apply from 2021-09-30

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### Main course books (500 pages)

**Benton**, Ted and **Craib**, Ian (2011) *Philosophy of Social Science: The Philosophical Foundations of Social Thought*. Basingstoke: Palgrave Macmillan. (260 pp)

**Sismondo**, Sergio (2010). *An introduction to science and technology studies*. Chichester: Wiley-Blackwell. (240 pp)

### Complementary sources (472 pages)

Materials intended for *further reading* are marked with [F]

**Barnett**, Ronald (2021). The activist university: Identities, profiles, conditions. *Policy Futures in Education*, 19(5), pp. 513–526. (13 pages) [F]

**Boyd**, Richard, **Gasper**, Philip & **Trout**, J.D. (eds.) (1991). *The philosophy of science*. Cambridge, Ma. & London: The MIT Press. Glossary, pp. 774–781. (8 pages) [F] [file on Canvas]

**Brauer**, Rene & **Dymitrow**, Mirek (2017). Human geography and the hinterland: The case of Torsten Hägerstrand's 'belated' recognition. *Moravian Geographical Reports*, 25(2), pp. 74–84. (10 pages)

**Brauer**, Rene; **Dymitrow**, Mirek; **Worsdell**, Filipe & **Walsh**, John (2021). What is the research impact of (the ideal of) scientific truth? *Journal of Education Culture and Society*, 12(2), in press (20 pages). [F]

**Burr**, Vivien (2015). Social constructionism (3<sup>rd</sup> edition). London and New York: Routledge. Chapter 1 ['What is social constructionism?'], pp. 1–30. (30 pages)

**Collins**, Harry (2009). We cannot live by scepticism alone. *Nature*, 458, pp. 30–31 (2 pages).

**de Botton**, Alain (2016). Why Socrates hated democracy. *The School of Life* [on-line resource] (4 pages)

**Dixon**, Deborah P. and **Jones**, John Paul III (2006). Feminist geographies of difference, relation, and construction. In Stuart Aitken, & Gill Valentine (Eds.), *Approaches to human geography* (pp. 53–67). SAGE Publications Ltd. (15 pages)

**Dymitrow**, Mirek & **Brauer**, Rene (2018). Meaningful yet useless? Factors behind the retention of questionable concepts in human geography. *Geografiska Annaler: Series B, Human Geography*, 100(3), pp. 195–219. (20 pages) [F]

**England**, Kim. (2006). Producing feminist geographies: Theories, methodologies, and research strategies. In Stuart Aitken, & Gill Valentine (Eds.), *Approaches to human geography* (pp. 296–308). SAGE Publications Ltd. (13 pages)

- Evans**, David (2008) The conflict of the faculties and the knowledge industry: Kant's diagnosis, in his time and ours. *Philosophy* 83(4), pp. 483-495. (12 pages)
- Fleck**, Ludwik (1936). The problem of epistemology. *Boston Studies in the Philosophy of Science*, 87, pp. 79–112. (33 pages) **[F]**
- Fotheringham**, A. Stuart. Quantification, evidence, and positivism. (2006). In Stuart Aitken, & Gill Valentine (Eds.), *Approaches to human geography* (pp. 248-261). SAGE Publications Ltd. (14 pages)
- Guba**, Egon. G. & **Lincoln**, Yvonna S. (1994): 'Competing paradigms in qualitative research' (ch. 6). In: Denzin, N.K. and Lincoln, Y.S. (eds.), *The SAGE Handbook of qualitative research*. Thousand Oaks: Sage, pp. 105–117. (13 pages)
- Hacking**, Ian (1999). *The social construction of what?* Cambridge, Ma and London: Harvard University Press. Chapter 1 ['Why Ask What?'], pp. 1–34. (34 pages)
- Haraway**, Donna (1988). Situated knowledges: The science question in feminism and the privilege of partial perspective. *Feminist Studies*, 14 (3), pp. 575–599. (24 pages)
- Harrison**, Paul. (2006). Poststructuralist theories. In Stuart Aitken, & Gill Valentine (Eds.), *Approaches to human geography* (pp. 133-146). SAGE Publications Ltd. (14 pages)
- Holborn**, Hajo (1968). The history of ideas. *The American Historical Review*, 73(3), 683-695. (p.13)
- Hornborg**, Alf (2020). Objects don't have desires: Toward an anthropology of technology beyond anthropomorphism. *American Anthropologist* published 23 July 2021. (14 pages)
- Kitchin**, Rob (2006). Positivist Geographies and Spatial Science. In Stuart Aitken, & Gill Valentine (Eds.), *Approaches to human geography* (pp. 20-29). SAGE Publications Ltd. (10 pages)
- Kuhn**, Thomas S. [1962] (1970). *The Structure of Scientific Revolutions*. Chicago: University of Chicago Press. Chapter XI ['The invisibility of revolutions'], pp. 136–143. (8 pages) **[F]**
- Kwan**, Mei-Po, and **Schwanen**, Tim (2009). Quantitative Revolution 2: The Critical (Re)Turn. The Professional Geographer, 61(3): 283-291. DOI: 10.1080/0033012090293903. (11 pages)
- Machamer**, Peter (1998). Philosophy of science: An overview for educators. *Science and Education*, 7(1), pp. 1-11 (11 pages)
- Paradeise**, Catherine & **Filliatreau**, Ghislaine. (2021). Scientific integrity matters. *Minerva*, 1-21. (21 pages) **[F]**
- Pinker**, Steven (2014). Why academics stink at writing. *The Chronicle of Higher Education*, pp. 26–40. (16 pages)
- Rudolph**, John. L. (2020). The lost moral purpose of science education. *Science Education*, 104(5), 895-906. (pp. 11) **[F]**
- Russell**, Bertrand (1912). *The problems of philosophy*. New York & London: Henry Holt & Co. / Williams and Norgate. Especially chapters: I ['Appearance and reality'], XIV ['The limits of philosophical knowledge'], and XV ['The value of philosophy'], pp. 5–9, 73–81. (14 pages) **[F]**
- Sayer**, Andrew (2000). *Realism and social science*. London: Sage, Chapter 1 ['Introducing critical realism'], pp. 10–28. (19 pages)
- Stoetzler**, Marcel (2018) Critical Theory and the critique of anti-imperialism. The Sage Handbook of Frankfurt School Critical Theory 3, pp. 1467-1486 **[F]** (20 pages).
- Taylor**, Simon P. (2018). Critical Realism vs Social Constructionism & Social Constructivism. *International Journal of Sciences: Basic and Applied Research*, 37(2), pp. 216–222. **[F]** (7 pages)

**Turner**, Jonathan H. (1985). In defense of positivism. *Sociological Theory*, 3(2), pp. 24-30 **[F]** (7 pages).

**Weingart**, Peter (1999). Scientific expertise and political accountability: Paradoxes of science in politics. *Science and Public Policy*, 26(3), 151-161 (11 pages).

**Wiley** (2020). *Peer review training* [interactive on-line resource] ([Link](#))