

ISD 2018- Weekly Course Literature

In addition to the book 'Sustainability: a History' By Caradonna, J.L. (2014) and 'Donut Economics' by Kate Raworth (2017), the following literature will be used in the course. Note that the articles here below will be uploaded on the student portal and that a physical copy will be available in the CEMUS library.

Core Reading:

- Giddings, B., Hopwood, B. & O'Brien, G. (2002) Environment, economy and society: fitting them together into sustainable development. *Sustainable Development* **10**(0), pp.187–196 [link](#)
- Klein, J.T. (2004) Interdisciplinarity and complexity: An evolving relationship, E:CO Special Double Issue **6**(1-2), pp.2-10. [Link](#)
- Wiek, Arnim, Lauren Withycombe, and Charles L. Redman. "Key competencies in sustainability: a reference framework for academic program development." *Sustainability science* 6.2 (2011): 203-218.

Week 1: Sustainable Development, Sustainability, and key concepts

- Pisani, J. (2006) Sustainable development historical roots of the concept. *Environmental Sciences* **3**(2), pp. 83-96 [link](#)
- Dresner, S. (2002) The Principles of Sustainability: Chapter 2. Earthscan, London
- WCED (World Commission on Environment and Development) (1987). Our common future: p.41-43. Oxford: Oxford University Press. [link](#)
- Vare, W. & Scott, W. (2007) Learning for a Change: Exploring the Relationship Between Education and Sustainable Development. *Journal of Education for Sustainable Development* **1**(2), pp. 191-198
- Orr (1991) What is Education For? <http://www.context.org/iclib/ic27/orr/>

Week 2: Approaching Complexity

- Giddings, B., Hopwood, B. & O'Brien, G. (2002) Environment, economy and society: fitting them together into sustainable development. *Sustainable Development* **10**(0), pp.187–196
- Klein, J.T. (2004) Interdisciplinarity and complexity: An evolving relationship, E:CO Special Double Issue **6**(1-2), pp.2-10. [Link](#)
- Zaman, G. Goschin, Z. (2010). Multidisciplinarity, Interdisciplinarity and Transdisciplinarity: Theoretical approaches and implications for the strategy of post-crisis sustainable development. *Theoretical and Applied Economics* XVII(12), pp.5-20. <https://doaj.org/article/4acfa727989f4dadbf78bebaeaa2d9ee>

Recommended Readings

- Rockström et al (2009), 'Planetary Boundaries: Exploring the Safe Operating Space for Humanity', *Ecology and Society* Vol.14 Issue 2, <http://www.ecologyandsociety.org/vol14/iss2/art32/>;
- White, L. (1967). The historical root of our ecological crisis. *Science* 10(155). <http://www.sciencemag.org/content/155/3767/1203.full.pdf>
- Blewitt, J. (2008) Chapter 1: Towards Sustainable Development from Understanding Sustainable Development ([link](#))

- Meadows, D. (2012) Limits to Growth: the 30 years update.([link](#))
- Flint, R.W. 2010. Symbolism of Sustainability: Means of Operationalizing the Concept. Synesis, Winter-Spring 2010: A Journal of Science, Technology, Ethics, and Policy 1(1): T25-T37. (http://www.synesisjournal.com/vol1_no1_t/2010.1.1_T125-37_Flint.pdf)
- Jicklings & Wals (2012) Debating Education for Sustainable Development 20 Years after Rio: A Conversation between Bob Jickling and Arjen Wals. Journal of Education for Sustainable Development March 2012 vol. 6 no. 1, 49-57. [link](#)
- Jackson, E. A. (2016). Ontological and epistemological discourse(s) on sustainable development: perspective on Sierra Leone in the aftermath of a decade of civil unrest. Management of sustainable Development 8(1). <https://search.proquest.com/docview/1810113114?pq-origsite=summon>