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SLU

Sustainable Design: Ecology, Culture & Human Built Worlds

CEMUS | Centre for Environment and Development Studies | Spring 2017

Course Reader

18 Jan 2017

Wed 25 Jan / Understanding Sustainable Design

(Video) *Welcome to the Anthropocene* (2012, 3min38). Available at: <http://vimeo.com/39048998>

(Video) John Cleese on Creativity (1991, 36min05). Available at: <https://vimeo.com/121544005>

(Website) The Oslo Manifesto (2016) Available at: <http://oslomanifesto.org/>

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Brown, Tim and Wyatt, Jocelyn, 2010. *Design Thinking for Social Innovation: IDEO*.

Wed 1 Feb / Design is to Design a Design to Produce a Design

Heleen de Goey, Designer and Researcher at Sweria, Göteborg

Buchanan, Richard, 1992. *Wicked Problems in Design Thinking*, Design Issues Vol. 8 no. 2, MIT Press.

Chick, Anne & Micklethwaite, Paul, 2011. Chapter 1: Design is to Design a Design to Produce a Design, in *Design for Sustainable Change: How Design and Designers Can Drive the Sustainability Agenda*. Switzerland: Ava Pub.

Margolin, Victor, 1996. *Global Expansion or Global Equilibrium? Design and the World Situation*, Design Issues Vol. 12 no. 2, MIT Press.

Wed 8 Feb / Biomimicry

Anna Maria Orru, Architect, PhD Candidate at KTH

Benyus, Janine, 2002. *Echoing Nature*, Chapter 1 in *Biomimicry – Innovation Inspired by Nature*. New York: Harper Perennial

Volstad, Nina Louise and Boks, Casper, 2012. *On the Use of Biomimicry as a Useful Tool for the Industrial Designer*, Sustainable Development Vol. 20.

Walker, Alissa, 2010. *Biomimicry Challenge: IDEO Taps Octopi and Flamingos to Reorganize the USGBC*, FastCompany.

Interview with Tim Brown and Janine Benyus, 2014. The world's best creative director - Nature. Ideas.TED.com.

Wed 15 Feb / Cradle to Cradle Design and the Circular Economy

Stuart Pledger, Sustainable Leadership Lab, Chairman of Cradle Net Sweden

McDonough, William, 2000. *The Hannover Principles: Design for Sustainability*, prepared for Expo 2000 The World's Fair, Hannover, Germany.

(Video) The Story of Stuff, available at:

<https://www.youtube.com/watch?v=9GorqroiqgM>

(Video) Re-thinking Progress: The Circular Economy, available at:

<https://www.youtube.com/watch?v=zCRKvDyyHml>

McDonough, William and Braungart, Michael, 2000. A World of Abundance, *Interfaces* Vol. 30 no. 3.

May, Shannon, 2011. Ecological Modernism and the Making of a New Working Class, Ch 5 in Parr and Zaretsky. 2011. *New Directions In Sustainable Design*. London: Routledge.

United States Environmental Protection Agency, 2006. *Life Cycle Assessment*, Chapter 1 in *Life Cycle Assessment: Principles and Practice*. US EPA.

Wed 22 Feb / Humans Are Nature: Biophilic Design

Hans Liljenström, Professor at Dep. of Energy and Technology at SLU, Uppsala

Kellert, Stephen, 2008. Chapter 1: Dimensions, Elements, and Attributes of Biophilic Design, in Kellert, S. et al, 2008. *Biophilic Design*. Wiley and Sons.

Heerwagen, J. H. and Gregory B., 2008. Chapter 13: Biophilia and Sensory Aesthetics, in Kellert, S. et al, 2008. *Biophilic Design*. Wiley and Sons.

Tyson, Peter (Editor), 2008. *A conversation with E.O. Wilson*, NOVA, PBS Online.

Kelley, Tom and Kelley, David, 2013. [eBook] Chapter 2: Dare - From Fear to Courage, *Creative Confidence: Unleashing the Creative Potential Within Us All*. Crown Business.