

Geog 200: Course Readings

ALL readings are linked through the reading list on WebCT, although to access these articles you will have to be either on a McGill computer or logged on through VPN (**see <http://www.mcgill.ca/library/library-using/connect/>).

REQUIRED READINGS

2nd September - Introduction

No readings

[Of interest if this is your 1st year at McGill and you would like some hints on how to get the most out of class and the readings:

<http://tlc.uoregon.edu/publications/studyskills/What%20is%20Critical%20Reading.pdf>

<http://www.canberra.edu.au/studyskills/learning/lectures>]

4th September - The biophysical and human environment

Steffen W., et al (2007). [The Anthropocene: Are humans now overwhelming the great forces of nature?](#) *Royal Swedish Academy of Sciences* 36(2): 614-621.

9th September - Geography and world environmental problems

Skole DL (2004) [Geography as a great intellectual melting pot and the preeminent interdisciplinary environmental discipline.](#) *Annals of the Association of American Geographers* 94:739-743.

11th September - Sustainable development

Myers, N. (1998) [Lifting the veil on perverse subsidies](#), *Nature*, 392, p327-328.

Kates R, et al (2001) [Sustainability Science.](#) *Science* 292:641-642.

Sachs JD, Reid WV (2006) [Environment - Investments toward sustainable development.](#) *Science* 312:1002-1002.

16th September - McGill librarian

No readings

[If you have never written an essay before, this link might be useful:

http://www.massey.ac.nz/massey/fms/Colleges/College%20of%20Humanities%20and%20Social%20Sciences/PEP/PDF_documents/Geography/Geography%20Essay%20Writing%20Handbook.pdf]

18th September - Population and the environment

Malakoff D (2011). [Are More People Necessarily a Problem?](#) *Science* 333:544-546.

Dasgupta PS, Ehrlich PR (2013). [Pervasive Externalities at the Population, Consumption, and Environment Nexus.](#) *Science* 340:324-328.

23rd September - Global fisheries: sustainability and management

Watson RA, Pauly D (2013). [The changing face of global fisheries-The 1950s vs. the 2000s.](#) *Marine Policy* 42:1-4.

Worm and Branch (2012). [The future of fish.](#) *Trends in Ecology & Evolution* 27(11): 594-599.

25th September - Documentary film: "The end of the line"

Worm B, et al. (2009) [Rebuilding Global Fisheries.](#) *Science* 325. [profiled in a video by the lead authors on youtube: <http://www.youtube.com/watch?v=Zlsl-AkrPmo>].

Beddington et al. (2007). [Current problems in the management of marine fisheries](#). *Science* 316: 1713-1716.

30th September - Biodiversity loss: trends, measures, and impacts.

Butchart et al. (2010). [Global biodiversity: indicators of recent declines](#). *Science* **328**: 1164-1168.

Millennium Ecosystem Assessment (2005). [Ecosystems and human well-being: Biodiversity Synthesis](#). Summary for Policy Makers (pages 1-16).

2nd October - Are humans causing climate change?

Somerville RCJ, Hassol SJ (2011) [Communicating the science of climate change](#). *Physics Today* 64:48-53.

Oreskes N, Conway EM (2010) [Defeating the merchants of doubt](#). *Nature* 465: p686-687.

7th October - Should we be concerned about future climate change?

Smith JB, et al. (2009) [Assessing dangerous climate change through an update of the Intergovernmental Panel on Climate Change \(IPCC\) "reasons for concern"](#). *Proceedings of the National Academy of Sciences of the United States of America* 106:4133-4137.

Murray V, Ebi KL (2012) [IPCC Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation \(SREX\)](#). *Journal of Epidemiology and Community Health* 66:759-760.

9th October - What can we do about climate change?

Parry M, Lowe J, Hanson C (2009). [Overshoot, adapt and recover](#). *Nature* 458:1102-1103.

Schiermeier, Q (2012). [The Kyoto Protocol: Hot air](#). *Nature* 491, 656-658.

14th October - Mid-term

No readings

16th October - Climate change research in Climate Change Adaptation Research Group

Ford, J. (2009). [Dangerous climate change and the importance of adaptation for the Arctic's Inuit population](#). *Environmental Research Letters*, 4(2), p1-9.

21st October: Climate change adaptation case studies from around the world

*** Chose two readings from these three ***

Huq S (2011) [Lessons of climate change, stories of solutions. Bangladesh: Adaptation](#). *Bulletin of the Atomic Scientists* 67:56-59.

Krebs M (2011) [Lessons of climate change, stories of solutions. California: Government leadership](#). *Bulletin of the Atomic Scientists* 67:60-63.

Mynett A (2011) [Lessons of climate change, stories of solutions. The Netherlands: Innovative technology](#). *Bulletin of the Atomic Scientists* 67:51-55.

23rd October - Energy production: current status and environmental problems

McFarlane, A.M. (2007). [Energy: The issue of the 21st century](#), *Elements*, 3: 165-170.

Editorial (2013). [Fracking fracas](#). *Nature Climate Change*. 3: 429.

28th October - Moving towards sustainable energy generation

J. Lewis (2008). [The nuclear option](#), *Mother Jones*, 33 (3).

Schiermeier Q (2013). [Germany's energy gamble](#). *Nature* 496:156-158.

30th October - Energy debates and discussion

Read two of these three readings

Trainer T (2010) [Can renewables etc. solve the greenhouse problem? The negative case.](#) *Energy Policy* 38:4107-4114.

Editorial (2011). [Nuclear fallout.](#) *Nature Climate Change* 1: 69.

Mitchell RB (2012) [Technology Is Not Enough: Climate Change, Population, Affluence, and Consumption.](#) *Journal of Environment & Development* 21:24-27.

4th November - Global impacts of agriculture

Foley et al. (2011). [Solutions for a cultivated planet.](#) *Nature* 478: 337-342.

6th November - Land-Use Change: Concepts, issues, and trends

DeFries, R.S., J.A. Foley, and G.P. Asner (2004) [Land-use choices: balancing human needs and ecosystem function.](#) *Frontiers in Ecology & Environment* 2(5): 249-257.

11th November - Tropical Deforestation

Malhi Y, Roberts JT, Betts RA, Killeen TJ, Li W, Nobre CA (2008) [Climate change, deforestation, and the fate of the Amazon.](#) *Science* 319:169-172

13th November - Reducing emissions from deforestation and forest degradation (REDD+) and markets for ecosystem services

Gullison et al. (2007). [Tropical forests and climate policy.](#) *Science* 316: 985-986.

McCauley D (2006). [Selling out on nature.](#) *Nature* 443: 27-28.

Marvier M (2012). [The value of nature revisited.](#) *Frontiers in ecology and the environment* 10: 227.

18th November - Discussion around assignment 2

No readings

20th November - "The last call" (podcast) by David Suzuki and discussion

Rockstrom J, et al. (2009) [A safe operating space for humanity.](#) *Nature* 461:472-475

Griggs D et al. (2013) [Sustainable development goals for people and planet.](#) *Nature* 495:305-307.

25th November: Case studies of success in addressing environmental problems

No readings

27th November: Course synthesis

No readings