



**UNSW** | Arts and  
THE UNIVERSITY OF NEW SOUTH WALES | Social Sciences

**SCHOOL OF HUMANITIES**

**ARTS 2240**

**ENVIRONMENT, SUSTAINABILITY &  
DEVELOPMENT**

**Session 1, 2012**

**COURSE OUTLINE**

## ARTS 2240 ENVIRONMENT, SUSTAINABILITY & DEVELOPMENT

### 2012 COURSE OUTLINE:

**Lecturer:** A/Prof John Merson Tel. 9385 4973 (Mobile) 0412 290840,  
j.merson@unsw.edu.au  
Consultation times by appointment at Vallentine Annexe Rm. 139.

**Tutors:**

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Johannes Luetz	0412155736	<a href="mailto:j.luetz@unsw.edu.au">j.luetz@unsw.edu.au</a>
Dr Thom van Dooren	9385 3768	<a href="mailto:t.van.dooren@unsw.edu.au">t.van.dooren@unsw.edu.au</a>
Dr Mathew Kearnes	93851010	<a href="mailto:m.kearnes@unsw.edu.au">m.kearnes@unsw.edu.au</a>

**Lectures:** Monday 4:00-6:00 pm Rex Vowels Theatre

**Tutorials:** Mon 1pm ( Quad G026), Mon 1pm (Quad G046), Mon 2pm (ElecEng220),  
Mon 2pm (ElecEng221), Wed 9am (Law 388), Wed 10 am (Law 388),  
Wed 11am (Mat 123), Wed 12 (Mat 123), Wed 1pm ( Law 275),  
Thu 12 (MorvB G4), Thu 1pm (Law 162), Thu 2pm ( ElecEng219)

### COURSE DETAILS

**Credit points:** This course provides 6 units of credit.

**Aims:** To introduce students to the broad interlinked issues of environment, sustainability and development.

**Rationale and teaching approach:** The course is divided three sections, an historical introduction addressing the some of the institutional causes of the environmental crisis we now face, a series of focused studies on specific problem areas, and finally a section which provides some potential solutions.

### ASSESSMENT

**Essay** - You are required to write a 3000 word essay, to be completed and handed in to your tutor at (or before) your final week 12 tutorial. There will be no extensions except under exceptional circumstances. The topic is to be drawn from the tutorial topics/questions listed below. The readings listed with each topic will form the basis of your essay research. It is essential that you read the FASS Essay Booklet that outlines the requirements for essay presentation available at <http://humanities.arts.unsw.edu.au/student-resources/essay-guides/>

#### **Tutorials**

**Tutorial journal assignment:** As part of your tutorial assessment, you are required to maintain a journal which reviews the weekly lectures and tutorial readings. These reading are available on Blackboard under Tutorial Readings. This weekly assignment should critically examine the

ideas and arguments put forward in each weeks lecture and tutorial readings. . Journals should be no more than one A4 page single spaced Arial 12 font (approx. 500 words). This is to be handed in to your tutor at the beginning of each tutorial. These will be marked and returned to you each week. The aggregate of your journal results represents 40%, and late assignments will incur significant loss of marks, and will not be accepted for assessment if later then one week (unless a specific exception have been made in advance with your tutor).

#### Group presentation

There is also a group work component, where you will prepare a short 10 minute tutorial presentation in conjunction with one or two other students. This should be designed to stimulate discussion in relation to the weekly tutorial topic, and addressing the discussion questions listed for that tutorial.

### **Attendance & Participation**

Because of the wide-ranging scope of this course, attendance at lectures and tutorials is mandatory. Marks will be deducted for failure to attend or participate in tutorial discussions, or for not completing tutorial requirements. It is University policy that students attend a minium of 80% of all classes. Attendance less than this can result in your being refused final assessment.

### **Breakdown of Marks**

The total course assessment will comprise:

**Essay:** 40%

**Tutorials:** 40% journal, 10% tutorial presentation

**Participation:** 10%

### **ACADEMIC HONESTY & PLAGIARISM**

Plagiarism is *taking the ideas or words of others and passing them off as your own*. Plagiarism is a type of intellectual theft.

Plagiarism can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement. Plagiarism can have serious consequences, so it is important that students be aware of what it is, and how to avoid it.

As part of an academic community, and thereby benefiting from your membership, you are expected to abide by its ethical practices. These ethical practices include the need to consciously acknowledge those ideas, words and concepts that we borrow from other people.

All scholarship relies upon using the work of others; in fact you can't write academically without borrowing words and/or ideas from other people. It is important that you acknowledge your debt to the wider academic community, both historical and contemporary.

It is partly this tradition of [acknowledgement of sources](#), in the form of 'in-text' citation or foot or end-notes, that separates academic writing from other forms of knowledge: it is part of the strength of academic research.

Why is it wrong to plagiarise?

Plagiarism is unethical for three reasons.

- Firstly, it is unethical because it is a form of theft. By taking the ideas and words of others and pretending they are your own, you are stealing someone else's intellectual property.
- Secondly, it is unethical because the plagiariser subsequently benefits from this theft.

- Thirdly, a degree is evidence of its holder's abilities and knowledge. If a student gains employment on the basis of a qualification they have not earned, they may be a risk to others.

Not surprisingly, therefore, UNSW has [strict regulations](#) regarding plagiarism.

**For more information on plagiarism and academic integrity, please see the Learning Centre's Plagiarism and Academic Integrity Website:**

<http://www.lc.unsw.edu.au/plagiarism/>

## RESOURCES

**Required Readings:** Course Outline and tutorial readings are available on the Blackboard website for this course.

**Additional Readings:** The list of tutorial & essay topics (below) also lists required and other relevant readings for each tutorial. The additional readings will be very useful for your essays. You can find these at the UNSW library. The library website is:

<http://info.library.unsw.edu.au/web/services/services.html>

Please also see the **General Readings** and **Videos** sections below for additional materials.

## LECTURE & TUTORIAL TOPICS

### PART 1

#### L/T 1. THE ORIGINS OF THE ENVIRONMENTAL CRISIS

Discussion questions/Essay topic: What led early human communities to move from being hunter-gatherers to forming agrarian societies and eventually a globalised industrial civilization? What are the values that underpin economic growth? Are the criticisms of those proposing a move to ecological economics justified?

##### Course readings:

Brown, L. 'The Economy and the Earth' in *Eco Economy: Building an Economy for the Earth*, W. W. Norton & Company, 2001, pp. 3-23

Hamilton, C. 'Environment' in *Growth Fetish*, Allen & Unwin 2003, pp 174 – 204

New Scientist Opinion Special: Beyond Growth, *New Scientist*, 18 October 2008:

Editorial, 'Why our economy is killing the planet and what we can do about it' pp. 40-41

Simms, A. 'Trickle-down myth' p. 49

Daly, H. 'How we kicked our addiction to growth' pp.52-53

##### Relevant Readings

Diamond, J. *Guns, Germs & Steel*, WW Norton & Co US 1997

*Collapse, How societies choose to fail or succeed*, Viking US 2005

Grafton, Q et al *Understanding the Environment*, UNSW Press 2005

Hamilton, C. *Growth Fetish*, Allen & Unwin 2003

Harrison, P *The Third Revolution* I.B. Tauris UK 1992

Hawken P & Lovins A & L *Natural Capitalism*, Earthscan 2000

Landes, D *The Wealth and Poverty of Nations*, Abacus Books 1998

Mazoyer, M & Roudart, L. *History of World Agriculture* Earthscan, UK. 2006

Pirages, D & Cousins, K *From Resource Scarcity to Ecological Security* MIT Press Mass 2005

Ponting, C *A Green History of the World*, Penguin 1991

Reich, R *Supercapitalism: the transformation of business, democracy and everyday life*, Alfred A. Knopf, New York 2007

#### L/T 2. DEBT & DEVELOPMENT

Discussion questions/Essay topic: How did the Bretton Woods Institutions - the UN, the World Bank, the IMF and the GATT/ WTO - shape the global economic system established after World War II, and why did so many developing countries end up with crippling debt and a degraded natural environment by the mid 1980s? Can the Millennium Development goals be achieved, and if so, how?

##### Course readings:

Beder, S. 'Debt and the International Monetary System' in *The Nature of Sustainable Development* Scribe Aus 1993 pp 176-191.

Monbiot, G. 'Something Snaps' in *The Age of Consent*, Harper Perennial, 2003.

United Nations Millennium Project, 'Millennium Development Goals' in Sachs, J. (Ed) *Investing in Development*. Earthscan 2005.

**Other relevant readings:**

- George, Susan      *A Fate Worse than Debt* Penguin 1990  
                         *The Debt Boomerang* Pluto Press 1992  
                         *Another World Is Possible If...TNI* 2004
- Harrison, P        *The Third Revolution, Environment, Population, and a Sustainable World*.  
I. B. Tauris 1992
- Merson & Debus      "The Debt Trap"(chap 2) in *the Political Economy of Development* publ.  
ABC 1977
- Memmi, A         *The Colonizer and the Colonized*, Earthscan UK 2003
- Monbiot, George    *The Age of Consent*, Harper Perennial, 2003
- Rostow, W         "The Stages of Growth as a Key to Policy" in Charles F. Stewart (ed),  
*The Global Businessman*, Holt Rinehart & Winston, New York 1966.
- Stiglitz, J.         *Globalization and its Discontents*, Allen Lane/Penguin Books 2002 ( C 1)
- Stiglitz, J. & Charlton, A. *Fair Trade for All*, Oxford University Press UK 2005
- Sachs, W           *The Development Dictionary: A Guide to Power and Knowledge* Zed  
Books 1992
- Sen, A.             *Development as Freedom*, First Anchor Books, US 2000

**L/T 3. GLOBALISATION & DEVELOPMENT**

Discussion questions/Essay topic: What has been the role of global corporations and the WTO (formerly GATT) in shaping the patterns of national development? What are the social and environmental consequences of the present rich world /poor world divide? Is the emphasis on global market-based strategies, as mandated by the IMF, an environmentally sustainable strategy for development? If not, what are the alternatives?

**Course readings:**

- Stiglitz, J. *Globalisation and its Discontents* Allen Lane/Penguin, 2002, pp 214-252
- Sachs, J. (Ed) *Investing in Development* Earthscan 2005 pp 28-52

**Other relevant readings:**

- Beck, U.            *What is Globalisation?* Polity Press UK 2000
- Bergesen, H & Lunde, L.      *Dinosaurs or Dynamos: The United Nation and the World Bank at  
the turn of the Century*, Earthscan UK 1999
- Friedman, M.        *The Lexus & the Olive Tree* UNSW library call # S337/195
- Hawken, P., Lovins A&L      *Natural Capitalism*. Earthscan UK 1999 (Ch 1&13)
- Keet, D.             *South- South Strategic Alternatives to Global Economic System  
and Power Regime*, Transnational Institute, Holland 2000
- Korten, D            *When Corporations Rule the World*, Kumarian Press US 1996
- Lamberton, D.       *Managing the Global: globalisation, employment and quality of  
life*. I.B Tauris, London 2002
- Mander, G & Goldsmith, E. *The Case against the Global Economy*, Earthscan, UK . 2000.
- Martin HP & Schumann H    *The Global Trap* Pluto Press 1997
- Reich R,             *The Work of Nations: Preparing Ourselves for the 21st Century*,  
Knopf, NY 1991
- Supercapitalism: the transformation of business, democracy and*

- everyday life, Alfred A. Knopf, New York 2007
- Singer, Peter. *One World: The Ethics of Globalisation*. 2002. Yale Univ. Press, New Haven, CT. ISBN 0-300-09686-0.
- Stiglitz, J. *Globalization and its Discontents*, Penguin Books 2002  
*Making Globalisation Work*, Allen Lane 2004
- John Ralston Saul *The Collapse of Globalism & the reinvention of the world* Penguin Books 2005
- Yergin, D & Stanislaw, J *Commanding Heights: The battle between government and the marketplace in the remaking of the Modern World*, Touchstone Books NY 1998
- Vig, N & Axelrod, R *The Global Environment; Institutions, Law & Policy*, Earthscan UK 1999

## PART 2

### L/T 4. POPULATION GROWTH & ECOLOGICAL SUSTAINABILITY

Discussion questions/Essay topic: What is the likely outcome of the current rate of population growth? What is meant by sustainable development, and can the planet sustain the present levels of consumption and a population likely to rise to 9/10 billion by the end of this century? Why is the global burden of population growth primarily impacting on developing countries, and what can be done at an international level to help control this growth and limit its environmental impacts?

#### Course readings:

- Engelman, R et al 'The Future Is Not What It Used To Be' in Pirages B & Cousins K (Eds) *From Resource Scarcity to Ecological Security* MIT Press 2005
- Harding, R., Hendriks, C., and Farqui, M. 'Sustainable Development and Sustainability' in *Environmental Decision-Making: Exploring Complexity and Context*. Federation Press 2009 pp. 20-50.

#### Other relevant readings:

- Beder, S *The Nature of Sustainable Development* Scribe Pub Aust 1993
- Boyden S & Dover S "Humans in the Biosphere" in *Human Ecology, Human Economy*, ed Diesendorf M, & Hamilton C, Allen & Unwin 1997
- Demeny, P & McNicholl, G. *Population and Development*, Earthcan UK 1997
- Dovers, S *Environment & Sustainability Policy*, Federation Press 2005
- Brown, L & Kane H *Full House: Reassessing the Earth's Population Carrying Capacity*, Norton, 1994.
- Brown, L et al *Population Challenge: Beyond Malthus*, Earthscan, UK 1999
- Diesendorf M, & Hamilton C, ed *Human Ecology, Human Economy*, Allen & Unwin 1997
- Hawken, P., Lovins A & L *Natural Capitalism*: Earthscan UK 1999
- Harrison, P *The Third Revolution, Environment Population and a Sustainable World* I.B. Tauris 1992
- Kile, Michael. *No room at Nature's Mighty Feast*. UNSW library call # S304.6/71
- Lassonde L *Coping With Population Challenges* Earthscan 1997
- Pirages, D & Cousins, K *From Resource Scarcity to Ecological Security* MIT Press Mass 2005

Sachs, J et al. *Investing in Development: A practical plan to achieve the Millennium Development Goals*, Earthscan, UK. 2005

## **L/T 5. AGRICULTURE & THE GREEN REVOLUTION**

Discussion questions/Essay topic: Why has the Green Revolution been described by some analysts as a mixed blessing? What have been the environmental and economic consequences of this new approach to agricultural production? Are we facing a global food shortage or is the problem more one of distribution? Does the answer lie in genetically modified crops, or are the environmental risks too great? Does biofuel production or agro-forestry offer a means of lifting rural incomes and conserving natural resources?

### **Course readings:**

Madley J 'Beyond the pest killers' *New Scientist* 7 May 1994, pp 24-27.

Holmes, B. 'A natural way with weeds' *New Scientist* 7 May 1994 pp 22-23.

Conway, G. 'Genetically Modified Crops: Risks and Promise' *Conservation Biology* 4 (1):2 2000.

Nair, PKR. "The coming age of agroforestry" *Journal of the Science of Food and Agriculture* 87:1613-1617 2007

Paul, H. "Ecologist Investigates: Fuel from the land – Biofuels" *Ecologist*, February 2009 pp.14-21

### **Other relevant readings:**

Borlag N "The Green Revolution: for Bread and Peace" in Rabinowitch & Rabinowitch (eds) *Views of Science, Technology and Development*, Pergamon Press 1975

Barrientos,S. & Dolan,C. *Ethical Sourcing in the Global Food System*, Earthcan, UK 2006

Bello, W & Rosenfeld *Dragons in Distress - Asia's Miracle Economies in Crisis*, Penguin 1992

Derrick J & Dann P, "Soil and Agriculture" in *Human Ecology, Human Economy*, ed Diesendorf M, & Hamilton C, Allen & Unwin 1997

Clark, R *Science and Technology in World Development*, Oxford Uni Press/ UNESCO 1985 ( Ch 1 - 7)

George, S *How the Other Half Dies* - Ch 7. Penguin 1990.

*Ill Fares the Land: Essays on Food, Hunger and Power*, publ. by Institute for Policy Studies Washington DC

Graeser B *The Green Revolution Revisited* Allen & Unwin 1987

Harrison P *Inside the Third World* Pelican 1982

Lappe, M & Bailey, B. *Against the Grain, The Genetic Transformation of Global Agriculture* Earthscan, UK 1999

Mazoyer,M & Roudart,L. *History of World Agriculture* Earthscan, UK. 2006

Trump LA ed *New Partnerships for Sustainable Agriculture* World Resources Inst 1996



## L/T 6. BIODIVERSITY & CONSERVATION THROUGH SUSTAINABLE USE

Discussion questions/Essay topic: Why is the world's biodiversity under threat, and what are some of the consequences of its loss? The approach of the International Convention on Biodiversity has been to encourage conservation by giving countries rights to the genetic resources that exist within their national boundaries. Can this work? Are strategies such as the bio-prospecting agreements and conservation through sustainable use (CSU) strategies realistic and equitable approach to conserving natural ecosystems ?

### Course readings:

Myers, N. 'Biodiversity and Biodepletion: the need for a paradigm shift" in O'Riordan, T. & Stoll-Kleemann, S. *Biodiversity, Sustainability and Human Communities*, Cambridge University Press, 2002 pp 46-60.

Merson, J. 'Bio-prospecting or Bio-piracy: Intellectual Property Rights and Biodiversity in a Colonial and Postcolonial Context' in MacLeod, R. (Ed) *Nature and Empire: Science and the Colonial Enterprise*. *Osiris* **15**, 2000 pp. 282-296.

Webb, G. 'Conservation and sustainable use of wildlife – an evolving concept' *Pacific Conservation Biology* **8** 12-26.

### Other relevant readings:

Archer, M & Beale, B. *Going Native*, Hodder, Aust 2004

Balick, M, Elisabetsky, E. & Laird, S. *Medicinal Resources of the Tropical Forests*; Columbia University Press, New York 1997

Beder, S. *The Nature of Sustainable Development*\_ Scribe Press Aus 1993

Crucible Group *People, Plants and Patents*; IDRC Canada 1994

Flannery, T.F *The Future Eaters*. Pub Reed Books 1995 UNSW - CFA384.2/14]

Harrison, P *The Third Revolution*. I. B. Tauris 1992

Hollings, C .S. *et al* *Biodiversity Loss: Economic & Ecological Issues* Cambridge Uni 1995

Lines, W.J *Taming the Great South Land*: Allen & Unwin 1991

Laird, S. *Biodiversity and Traditional Knowledge*, Earthscan UK 2000

O'Riordan, T. & Stoll-Kleemann, S. *Biodiversity, Sustainability and Human Communities*, Cambridge University Press, UK 2002

Tacconi, L *Biodiversity and Ecological Economics; Participatory approaches to Resource Management*. Earthcan UK 2000

Takacs, D *The Idea of Biodiversity* John Hopkins Uni Press 1996

Utting, P ed *Forest Policy and Politics in the Philippines*, UNRISD Pub. 2000

## L/T 7. NATURAL RESOURCE MANAGEMENT.

Discussion questions/Essay topic:

Describe basic principles of integrated resource & environmental management (IREM) and consider how well these principles are being applied to management of finite natural resources such as forests, rivers, reefs and fisheries. In the face of climate change and population growth what changes are needed for us to be able to better manage our vulnerable natural resources ? How can international environmental regimes help prevent conflicts over crucial cross-border resources such as water ?

**Course readings:**

- Ewert, A., Baker, D. And Bissix, G. 'Introduction' and 'The Modern History of IREM' in *Integrated Resource and Environmental Management: The Human Dimension*. CABI Publishing, UK, 2006. Pp 1-7 and 24-40.
- Pearce, F. 'Taking Water to the People' in *When Rivers Run Dry* Beacon Press, US, 2006. pp 219-229.
- Kingsford, R. 'Managing Australia's Scarce Water Resources for the Environment' *Pacific Conservation Biology* 15 2009 pp 4-6.

**Other relevant readings:**

- Clark, T.L et al *Foundations of Natural Resource Management*, Yale Uni Press 2001
- Dovers,S.& River, S *Managing Australia's Environment*, The Federation Press 2003
- Dovers, S *Environment and Sustainability Policy*, Federation Press Aust 2005
- Gleick, PH. *Chronology of water conflict* 2006 The Pacific Institute
- Hirsh.P,& Warren.C, *The Politics of the Environment in South East Asia* Routledge UK 1989
- Lines, W.J *Taming the Great South Land: A History of the Conquest of Nature in Australia* Allen & Unwin 1991
- McCully, P *Silenced Rivers: The Ecology and Politics of Large Dams*, Pub Zed Book New Jersey 1996
- Hempel L *Environmental Governance: The Global Challenge* Island Press USA 1996
- Pearce F *The Dammed*. Bodley Head 1992
- Pearce, F. *When Rivers Run Dry* Beacon Press, US, 2006
- Pearce, D (ed) *Blueprint 2 - Greening the World Economy* 1991 (ch 1,2,3)
- Pirages,D & Cousins,K *From Resource Scarcity to Ecological Security* MIT Press Mass 2005
- Postel S *Last Oasis; Facing Water Scarcity* Norton 1992
- Tacconi, L *Biodiversity and Ecological Economics; Participatory approaches to Resource Management*. Earthcan UK 2000
- Young,R & Osherenko G *Polar Politics: Creating International Environmental Regimes* Cornell University Press, USA 1993 (Ch 1)

**L/T 8. CLIMATE CHANGE & RENEWABLE ENERGY OPTIONS**

Discussion questions/Essay topic: What are the key drivers of climate change and what are some national and international strategies for addressing it? Why has the issue of cutting CO2 emissions become such an intractable problem, and what are the options for energy conservation and the shift to renewable systems? Can an emissions trading system be made to work?

**Course readings:**

- Flannery, T. *The Weather Makers* Text Publishing, Melb Aust 2005 pp. 189-202
- King, D. and Walker, G. 'It's the Economy, Stupid' in *The Hot Topic: How to tackle global warming and still keep the lights on*. UK; Bloomsbury Publishing 2008 pp. 157-179.
- Diesendorf, M. 'Sustainable Energy Futures for Australia' in *Greenhouse Solutions with Sustainable Energy* UNSW Press 2007.

**Other relevant readings:**

- Diesendorf, M. "Greenhouse response in the Energy Sector" in *Human Ecology, Human Economy*, ed Diesendorf M, & Hamilton C, Allen & Unwin 1997
- Deisendorf, M. *Greenhouse Solutions: with Sustainable Energy*, UNSW Press 2007
- Dow, K. & Downing, T. *The Atlas of Climate Change: Mapping the Worlds Greatest Challenge*, Earthscan, UK 2006
- Flannery T. *The Weather Makers: the history & future impact of climate change*, The Text Publishing, Aust 2005
- Gilchrist, G. *The Big Switch: Clean Energy for the 21st Century* Allen & Unwin 1991
- Hawken, P., Lovins A & L. *Natural Capitalism: The Next Industrial Revolution* Earthscan UK 1999 (Ch.12)
- Hempel L. *Environmental Governance: The Global Challenge* Island Press USA 1996 (Ch 4)
- Lovelock, J. *The Revenge of Gaia*, Allen Lane, UK. 2006.
- Lovejoy, T. & Hannah, L. *Climate Change and Biodiversity*, Yale University Press, US 2005
- Lenssen N. "Providing Energy in Developing Countries" in *State of the World* 1993, Worldwatch Institute USA pp101-235
- Leggett, J. *Half Gone: Oil, Gas, Hot Air and the Global Energy Crisis*, Portebello Books, UK 2003
- Lovejoy, T & Hannah, L. *Climate Change and Biodiversity* Yale University Press 2005
- Steen N. *Sustainable Development and the Energy Industries* Earthscan 1994
- The Stern Report on the Economics of Climate Change, British Treasury, UK 2006.  
[http://www.hm-treasury.gov.uk/independent\\_reviews/stern\\_review\\_economics\\_climate\\_change/stern\\_review\\_report.cfm](http://www.hm-treasury.gov.uk/independent_reviews/stern_review_economics_climate_change/stern_review_report.cfm)
- Schneider, S. *Laboratory Earth*, Weidenfeld & Nicolson London 1996
- Reddy & Goldenberg. *Energy for the Developing World*, Scientific American Sep 1990 pp 63/72
- Walker, G & King, D. *The Hot Topic: how to tackle global warming and still keep the lights on*. Bloomsbury 2008
- The energy debate. <http://energyscience.org.au/index/htm>

## PART 3

### L/T 9. ENVIRONMENTAL CONVENTIONS, EPISTEMIC COMMUNITIES AND NATIONAL POLITICS

Discussion questions/Essay topic: Can international environment and development conventions or regimes be made to work or are they just international window dressing? What is the role of the scientific community, NGO's, governments, corporations and the media in shaping these conventions? Can international governance be made to work in the face of corporate and national political resistance, as we saw in the case of Australia and the USA in relation to climate change?

#### Course readings:

Hempel, L. *Environmental Governance* Island Press 1996 pp 119-149

Hamilton, C. *Scorcher: The dirty politics of Climate Change*, Black Inc. Agenda, Aust 2007 pp. 127-146.

#### Other relevant readings:

Beder S. *Global Spin: The Corporate Assault on Environmentalism* Scribe 1997

Chomsky N. *Necessary Illusion: Thought Control in Democratic Societies*.

- Pluto Press 1989
- Hansen A *The Mass Media and Environmental Issues*, Leicester Uni Press 1994
- Hamilton, C. *Scorcher: The dirty politics of Climate Change*, Black Inc, Aust 2007.
- Harremoes, P. et al *The Precautionary Principle*, Earthscan, UK 2002.
- Hempel L *Environmental Governance: The Global Challenge* Island Press USA 1996
- Keane, John *Global Civil Society*
- Mander, G & Goldsmith, E. *The Case against the Global Economy*, Earthscan, UK . 2000.
- Moeller S, *Compassion Fatigue: How the Media Sell Disease, Famine, War and Death*. Routledge US 1999
- Shaw M *Civil Society and Media in Global Crises* , Pinter, UK. 1996.
- Young, O. eds *The Effectiveness of International Environmental Regimes*, MIT Press USA 1999
- Vig, N & Axelrod, R *The Global Environment; Institutions, Law & Policy* , Earthscan UK 1999

## **L/T 10. THE PROSPECT OF AN ENVIRONMENTALLY SUSTAINABLE FUTURE**

Discussion questions/Essay topic: Does the adoption of more benign technologies and economic systems hold the key to a more environmentally sustainable future? If so what will drive such a change? Would it require a major shift in social attitudes and cultural values, leadership from government, or both? Given the level of consumerism in our contemporary culture, can such a change be achieved in the time need to address major global environmental impacts such as that climate change?

### **Course Readings:**

- Hawken P & Lovins A & L “The Next Industrial Revolution” in *Natural Capitalism* Earthscan 2000 pp. 1-21.
- McDonough W & Braungart M *Cradle to Cradle: Remaking the way we make things* North Point Press US 2002 pp. 45-67.

### **Other relevant readings:**

- Archer, M. & Beale, B. *Going Native*, Hodder 2004
- Deisendorf & Hamilton “The Ecologically Sustainable Development Process in Australia” in *Human Ecology, Human Economy*, Allen & Unwin 1997
- Bruntland *Our Common Future* \_ Oxford University Press 1988
- Hawken,P., Lovins A&L *Natural Capitalism: The Next Industrial Revolution* Earthscan UK 1999 (Ch 1-7)
- Hawken, P. *The Ecology of Commerce: A Declaration of Sustainability*. Harvard Business US 1994
- Keane, John [www.johnkeane.net](http://www.johnkeane.net) (demoncracy and civil society)
- Keet, D. *South- South Strategic Alternatives to Global Economic System and Power Regime*, Transnational Institute, Holland 2006
- Korten D. *When Corporations Rule the World* Kumarian Press USA 1995 (Ch21)
- Lowe I *Science Policy for the Future* in Hayes R (ed) *High Tech: High Cost Technology, Society and the Environment* pub. Pan 1991
- Lovelock, J *The Revenge of Gaia*, Allen Lane, UK. 2006.
- McDonough,W.& Braungart,M *Cradle to Cradle : Remaking the way we make things* North Point Press US 2002
- Nelson, A. *Steering Sustainability in an Urbanizing World*, Ashgate, UK 2007.

- Pearce, F. *When Rivers Run Dry* Beacon Press, US, 2006
- Pirages, D & Cousins, K, *From Resource Scarcity to Ecological Security* MIT Press Mass 2005
- Von Weizsacker & Lovins A. *Factor Four, Doubling Wealth, Halving Resources*, Earthscan 1997
- Sachs, J et al. *Investing in Development: A practical plan to achieve the Millennium Development Goals*, Earthscan, UK. 2005
- Sen, A. *Development as Freedom*, First Anchor Books, US 2000
- Shrivastava, P. The role of corporations in achieving ecological sustainability. 1995 *Academy of Mgmt Review* 20 (4): 936-960

## L/T 11. HUMAN SECURITY AND SUSTAINABLE DEVELOPMENT

Discussion questions/Essay topic: What is meant by *human security* and is it a prerequisite for sustainable development or vice versa? How can change to environmentally sustainable technological and economic systems be made possible for the majority of the world's population that lives in developing countries? What should international agencies such as the United Nations, the IMF, the World Bank and the World Trade Organisation be doing to help facilitate more sustainable patterns of development? What political, economic and administrative reform would be needed at the local level to deliver more sustainable forms of development in both the rich and poor world?

### Course readings:

- Hawken P & Lovins A & L "Human Capital" *Natural Capitalism: The Next Industrial Revolution* Earthscan 2000 pp 285-308
- Renner, M. *Fighting for Survival* Earthscan 1997 pp114-132
- Newman, P. 'A Sustainable Cities Framework for Housing' in Nelson, A. *Steering Sustainability in an Urbanizing World*, Ashgate, UK 2007 pp. 17-30.

### Other relevant readings:

- Brown, L *Eco-Economy: Building an Economy for the Earth*, W.W. Norton, New York 2001
- Ayre, G & Gallaway, R *Governance for Sustainable Development*, Earthscan UK 2005
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## Videos and DVD's

### Week 1 - Introduction- The Origins of the Environmental Crisis

Video: 'The Environmental Revolution': (1) Race to Save the Planet series (F&VS Library)

### Week 2 – Debt & Development

Video: 'A Fate Worse than Debt', Susan George, BBC (F&VS Library)

### Week 3 - Globalisation & Development

Videos: The Commanding Heights Series (F&VS Library)

The Corporation (F&VS Library)

### Week 4 - Population Growth and Sustainable Development

Video: "In the Name of Progress" (4) Race to Save the Planet Series (F&VS Library)

### Week 5 Agriculture and the Green Revolution

Video: 'Save the Earth, Feed the World': Race to Save the Planet (F&VS Library)

### Week 6 Biodiversity, Bio-prospecting & Ecosystem Conservation



Videos “Remnants of Eden” Race to Save the Planet (F&VS Library)

**Week 7 - Natural Resource Management**

Videos: The Aral Sea:Hospital at the End of the Earth CBC Nature of Things

‘Waste Not Want Not’: (8) & ‘Do we really want to live this way ‘ (3)

Race to Save the Planet series (F&VS Library)

**Week 8 – Climate Change & Renewable Energy Options**

Videos: ‘Only One Atmosphere’(2) Race to Save the Planet Series (F&VS Library)

“Turning Up the Heat” The Nature of Things– Renewable Energy Program

**Week 9 – International Conventions, Epistemic Communities & the Media**

Video: “Do we want to live this way”(2) and ‘It Needs Political Solutions’(9)

Race to save the Planet Series (F&VS Library)

“The Greenhouse Mafia” Four Corners ABC TV 13.2.2006.

**Week 10 - The Prospects of an Environmentally Sustainable Future**

Videos: ‘Waste not Want Not’ Race to Save the Planet series (F&VS Library)

Next Industrial Revolution (DVD)

**Week 11 Human Security and Sustainable Development**

Videos: It Needs Political Solutions’(9) & ‘Waste not Want Not’ - Race to Save the Planet

(F&VS Lib) “Who killed the electric car” DVD