

Problems of Philosophy
*Latin American Philosophy: A case study and workshop class based on the
environmental ethics and conservation dimensions of the Cape Horn Biosphere
Reserve*

Phil 5960 Sec. 1 Tue 18:00 – 20:50 hrs (ENV 125)

Office hours: T&Th15:30-16:30 hrs, and by appointment (ENV 320E) (rozzi@unt.edu)
Professor Ricardo Rozzi, Ph.D.

This course is conceived as an “atelier” or workshop on the following topics:

- I) Cape Horn Biosphere Reserve UNESCO proposal
- II) Field Environmental Program – International Collaboration UNT - Omora
- III) Diversification of ecotourism thematic in Cape Horn as a tool to achieve conservation at the southern extreme of the Americas

Approach of the course:

The approach of this course involves that we will be actors and not mere analyzers of the subject. This approach challenges dichotomies such as involvement and objectivity, theory and action, activists and academics. It also demands overcoming the duality between object of study and the observer. We will discuss the general Scenario of International Environmental Conventions, and the challenges about how to implement these international conventions, with particular reference to the Convention of Biological Diversity, and more specifically the Ecosystem Approach and the Man and Biosphere Program (UNESCO- biosphere reserves).

We will focus on the case study of the Cape Horn Biosphere Reserve proposal. This is our study object, at the same time that we are part of the elaboration of this proposal, by mean of the collaboration that our Philosophy Department–UNT has initiated with the Omora Ethnobotanical Park (Antarctic Province, Chile).

Goals of the course

The general goal is to integrate environmental ethics within the transdisciplinary field of biocultural conservation through a first-hand experience.

Specifically, regarding the topics of the course you have to be able to define a question you want to research, a thesis you want to develop and/or support, an aspect that you want to describe, or an action you want to perform and complete during the semester. On the one hand, to work on a personal project should lead you to an understanding gained by researching, by doing, by experiencing, about roles that environmental ethics can have

within the transdisciplinary field of biocultural conservation. On the other hand, such understanding should actually contribute to conservation at the southern tip of the Americas. In this way an understanding becomes a form of ethical relation in connection to one of the most pristine areas in today's world.

Texts

McEwan, L.A. Borrero & A. Prieto (eds.). 1997. *Patagonia: Natural History, Prehistory and Ethnography at the Uttermost End of the Earth*, Princeton University Press.

Nichols P. 2003. *Evolution's Captain: The Story of the Kidnapping That Led to Charles Darwin's Voyage Aboard the "Beagle."* Harper Collins, New York.

Rozzi, R., F. Massardo & C. Anderson (eds.). 2004. *The Cape Horn Biosphere Reserve: A Proposal for Conservation and Tourism to Achieve Sustainable Development at the Southern End of the Americas*. Bilingual English-Spanish Edition. Ediciones de la Universidad de Magallanes, Punta Arenas, Chile.

Films

Homage to the Yahgans: The Last Indians of Tierra del Fuego and Cape Horn (Anne Chapman 1990, CNRS-Audiovisuel).

The Last Track. (Paola Castillo, 2001, Ceneca Producciones).

On the Waterways of Fireland to Cape Horn (Hans-Jürgen Grundmann, German Public Television, 2001).

La Tierra en que Vivimos (The Earth we Live in), two films about the biodiversity of Cape Horn and the work Darwin did in southern Magallanes (Sergio Nuño, Televisión Nacional de Chile).

Complementary books

Bridges, L. 1949. *Uttermost Part of Earth*. Dutton, New York.

Browne J. 1996. *Charles Darwin: Voyaging*. Princeton University Press

Darwin C. 1838. *The Voyage of the Beagle*. Reprint, London: Everyman's Library, 1975.

Fitzroy, R. 1839. *Narrative of the Surveying Voyages of his Majesty's ships 'Adventure' and 'Beagle,' between the years 1826 and 1836, describing their examination of the southern shores of South America and the 'Beagle' circumnavigation of the globe*. Proceedings of the Second Expedition, 1831-1836, under the command of Captain Robert Fitz-Roy, vol. II, London.

Gusinde M (1961) *The Yamana: The Life and Thought of the Water Nomads of Cape Horn*. Volumes I-V, translated by F. Schutze. New Haven Press, USA.H.

Hazlewood N. 2001. *Savage: The Life and Times of Jemmy Button*. Thomas Dunne Books, NY.

- Lee Marks, R. 1991. *Three Men Of The Beagle*. Knopf.
- Mittermeier, R, C Mittermeier, P Robles-Gil, J Pilgrim, G Fonseca, T Brook & W Konstant (2002). *Wilderness: Earth's Last Wild Places*. CEMEX – Conservation International, Washington DC.
- Prieto, A. P. & R. Cárdenas. 1997. *Introduction to Ethnographic Photography in Patagonia*. Patagonia Comunicaciones, Punta Arenas, Chile.
- Rozzi, R., F. Massardo, C. Anderson, S. McGehee, G. Clark, G. Egli, E. Ramilo, U. Calderón, C. Calderón, L. Aillapan, & C. Zárraga. 2003. *Multi-ethnic Bird Guide of the Austral Forests of South America*. Fantástico Sur-Univ. de Magallanes, Punta Arenas, Chile.
- Tuhkanen S., I. Kuokka, J. Hyvönen, S. Steenroos & Niemelä. 1990. Tierra del Fuego as a target for biogeographical research in the past and present. *Annales del Instituto de la Patagonia (Serie Ciencias Naturales)* 19 (2): 5-107.
- Wilbert J. 1977. *Folk Literature of the Yamana Indians*. University of California Press, Los Angeles.

Internet links

Institutions and conventions

<http://www.omora.org>

<http://elap.uci.ac.cr/comunicacion-relap.php>

<http://www.ufz.de/index.php?en=1894>

<http://www.unesco.org/mab/wnbr.htm>

www.biodiv.org

<http://www.biodiv.org/programmes/cross-cutting/ecosystem/default.asp>

Relevant 2005 Meetings

Water ways UNT Water Program: <http://www.water.unt.edu/waterways1/index.htm>

ESA INTECOL Ecology at Multiple Scales: <http://www.esa.org/montreal>

DIVERSITAS Integrating biodiversity science for human well-being: <http://www.diversitas-osc1.org/>

Requirements

20% Weekly reading quiz

10% Book review

10% Seminar presentation

20% Final exam

40% Term paper

Schedule

January 25. Introduction to course topics: *The study case of the Cape Horn Biosphere Reserve*

February 1. *Biosphere Reserves a tool for integrating conservation and social well-being.*

Book review and reading:

Rozzi, R., F. Massardo & C. Anderson (eds.). 2004. *The Cape Horn Biosphere Reserve: A Proposal for Conservation and Tourism to Achieve Sustainable Development at the Southern End of the Americas*. Bilingual English-Spanish Edition. Ediciones de la Universidad de Magallanes, Punta Arenas, Chile.

February 8. *Implementing conservation at the southern tip of the Americas: biosphere reserves as a boundary condition*

Readings:

Jax, K. & R. Rozzi. 2004. Ecological theory and values in the determination of conservation goals: examples from temperate regions of Germany, USA and Chile. *Revista Chilena de Historia Natural* 77: 349-366.

http://www.scielo.cl/scielo.php?pid=S0716-078X2004000200012&script=sci_arttext&tlng=en

Klaver, I. 2004. Boundary Projects Versus Border Patrol, in *Nature Reconsidered*. In *New Essays in Environmental Philosophy*, Bruce V. Foltz and Robert Frodeman (eds), pp. Indiana University Press, 2004

Rozzi, R., F. Massardo, C. Anderson & J. Silander. 2005. Ten criteria for Biocultural Conservation at the Austral Tip of the Americas: The Approach of the Omora Ethnobotanical Park. Manuscript.

February 15. *The ecosystem approach and ecotourism as a tool for conservation*

Invited Professor: Dr. Eduard Mueller, Universidad para la Cooperación Internacional, San José Costa Rica.

Readings:

Convention on Biological Diversity (Sustaining Life on Earth: How the Convention on Biological Diversity promotes nature and human well-being,

<http://www.biodiv.org/doc/publications/guide.asp>

UNESCO 2000. Solving the Puzzle: The Ecosystem Approach and Biosphere Reserves.

<http://unesdoc.unesco.org/images/0011/001197/119790eb.pdf>

See also: <http://www.biodiv.org/programmes/cross-cutting/ecosystem/>

February 22. Conservation and the natural settings of Cape Horn

Readings:

Myers, N. et al. 2000. Biodiversity hotspots for conservation priorities. *Nature* 403: 853-858

Myers, N. 2003. Biodiversity hotspots revisited. *BioScience* 53: 916-917.

Olson D et al. 2001. Terrestrial Ecoregions of the world: A new map of life on Earth. *BioScience* 51: 933-938.

Arroyo, M.T.K., R. Rozzi, J.A. Simonetti, P. Marquet & M. Salaberry. 2000. *Central Chile*. In *Hotspots: Earth's biologically wealthiest and most threatened ecosystems* (R.A. Mittermeier, P. Robles-Gil & C. Goettsch-Mittermeier, eds), 210-231. Cemex, México City, México.

Mittermeier, R, C Mittermeier, P Robles-Gil, J Pilgrim, G Fonseca, T Brook & W Konstant (2002). *Wilderness: Earth's Last Wild Places*. CEMEX – Conservation International, Washington DC. Read:

Introduction, pp. 9-54.

Magellanic Subpolar Rainforests, pp. 468-475

Patagonia, pp. 520-527

Antarctica pp. 544-557

McEwan, L.A. Borrero & A. Prieto (eds.). 1997. *Patagonia: Natural History, Prehistory and Ethnography at the Uttermost End of the Earth*, Princeton University Press.

Read: pp. 1-31

March 1. Conservation and the cultural settings of Cape Horn

Readings:

McEwan, L.A. Borrero & A. Prieto (eds.). 1997. *Patagonia: Natural History, Prehistory and Ethnography at the Uttermost End of the Earth*, Princeton University Press.

Read: pp. 32-126

Wilbert J. 1977. *Folk Literature of the Yamana Indians*. University of California Press, Los Angeles. Read: pp. 17-18 (narratives 1, 3-6), 38-40 ((narrative 14), 42-47 (narrative 17), pp. 62-64 (narratives 22), pp. 73-81 (narratives 26-29), pp 108-112 (narratives 38-39), pp. 151-159 (narratives 51-53).

March 8. *How Cape Horn has contributed to shape our Modern scientific worldview; and discussion of individual research topics*

Research proposals due! (three to five double space pages)

Readings:

McEwan, L.A. Borrero & A. Prieto (eds.). 1997. *Patagonia: Natural History, Prehistory and Ethnography at the Uttermost End of the Earth*, Princeton University Press.
Read: pp. 140-172.

Bridges, L. 1949. *Uttermost Part of Earth*. Dutton, New York., pp. 33-37.

Darwin C. 1838. *The Voyage of the Beagle*. Reprint, London: Everyman's Library, 1975.
Read: chapters 10 & 11

Rozzi, R. 1999. The reciprocal links between evolutionary-ecological sciences and environmental ethics. *BioScience* 49 (11): 911-921.

March 15. Spring Break

March 22. *Water Ways 2005: Water Privatization Panel.*

Coordinator: Dr. Irene Klaver, Dept. Philosophy, UNT.

March 29. *The Miniature forests of Cape Horn: conservation and ethical implications*

Readings:

IUCN 2000. Status Survey and Conservation Action Plan for Bryophytes: Mosses, Liverworts, and Hornworts. ICUN, Gland, Switzerland. Read: pp. 1-21, 35-38, 54-57.

Stein et al. 2002. Taxonomic Bias and Vulnerable Species. *Science* 297: 1807

Clark & May. 2002. Taxonomic Bias in Conservation Research. *Science* 297: 191-192

Clark & May 2002. Response to Stein et al. *Science* 297: 1807

Bonnet et al. 2002. "Taxonomic Chauvinism, *TREE* 17: 1-3

Pawar 2003. Taxonomic Chauvinism and the Methodologically Challenged. *BioScience* 53: 861-864.

Presentations by:

Christina Nelson

Jason Moore

Angela Thornton

April 5. FitzRoy and other scientists in Cape Horn

Reading:

Nichols P. 2003. *Evolution's Captain: The Story of the Kidnapping That Led to Charles Darwin's Voyage Aboard the "Beagle."* HarperCollins,

Presentations by:

Randy Loftis

April 12. Darwin's Passage Around Cape Horn

Invited Professors: Drs. Barry & Amanda Glickman, University of Victoria (Canada) & Omora Foundation (Chile)

Dr. Kurt Heidinger, University of Connecticut & Omora Foundation (Chile)

Reading:

Prieto, A. P. & R. Cárdenas. 1997. *Introduction to Ethnographic Photography in Patagonia.* Patagonia Comunicaciones, Punta Arenas, Chile.

April 19. The Cape Horn Biosphere Reserve 2005 UNESCO Proposal & the Omora-UNT Field Station

Presentations by:

John Castledine

Sarah McCall

Kat Milacek

April 26. The landscapes and ethnobiology of Cape Horn today: ecotourism and conservation at the austral tip of the Americas

Reading:

Tuhkanen S., I. Kuokka, J. Hyvönen, S. Steenroos & Niemelä. 1990. *Tierra del Fuego as a target for biogeographical research in the past and present.* *Annales del Instituto de la Patagonia (Serie Ciencias Naturales)* 19 (2): 63-84.

Presentations by:

Elizabeth Reynolds

Alla Karash

May 3. *Conservation at the austral tip of the Americas: Humanities, Science and Ethics*

Tuhkanen S., I. Kuokka, J. Hyvönen, S. Steenroos & Niemelä. 1990. Tierra del Fuego as a target for biogeographical research in the past and present. *Annales del Instituto de la Patagonia (Serie Ciencias Naturales)* 19 (2): 5-63.

Presentations by:

Patrick Sewell

Benjamin Dunn

May 10. *Final Exam*