This course explores the integration of human beings into complex ecosystems. It is primarily theoretical in focus, and provides a historical context for the development of North American Environmental Anthropology (the study of the human/environment relationship). It offers a 'history of ideas'- the debate whether the environment has an impact upon cultural expression and evolution, and if so, how determinative is it?

Students MUST keep up in the readings and contribute to the class discussions. This course seeks to prepare senior undergraduates for the expectations of graduate school. Written assignments must be typed, well-argued, represent original content that reflects your perspective and not merely a paraphrasing of the readings. You must develop ability and self-confidence to ask questions, critically comment, and offer debate in class. A proportion of the final grade will be determined by class participation.

Late papers are strongly discouraged. If you are ill or have other valid reasons for a late assignment, contact the instructor immediately to seek permission to turn it in late. Without permission, after 1 day late papers will have points deducted at the rate of 1 point per day. Papers that are overdue by more than one week (without an extension) will not be graded.

The first 2/3 of the course will be predominately lectures and discussion, with the latter portion focusing upon students’ presentations. Grading is as follows.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Mid term Test</td>
<td>20%</td>
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<tr>
<td>‘Encyclopedia’ entries</td>
<td>(4 * 10%)</td>
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<tr>
<td>Seminar presentation</td>
<td>15%</td>
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<tr>
<td>Class participation</td>
<td>5%</td>
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<tr>
<td>Final paper</td>
<td>20%</td>
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Each student will produce 4 brief essays of between 200 and 300 words each. These essays should be styled as an encyclopedia entry that offers a brief and focused summary of the contribution of a specific scholar, or the nature and implications of an intellectual school of thought that is discussed during the term. They must be well-crafted and intended to inform a casually interested reader about the issue or person addressed. An example will be presented in class to review my expectations. These brief papers will be due at three-week intervals, and can encompass any aspect of the class materials. Students are expected to do secondary reading and cite their sources (at least 2) for each entry.

In the final third of the term, each student will make a (ca. 30 minute) presentation. It can be a new topic or amplification of one of your encyclopedia entries. It might be a case study illustrating a theoretical orientation in action. By week 8 students should have identified a paper topic, informed the instructor of that topic, and received approval to proceed with it. I do not assign a text book, but students are expected to do the secondary readings.

**Optional Text**

Kaplan, David and Robert A. Manners
1986 **Cultural Theory** Waveland Press, Prospect Heights.

**Week 1** (Jan 7, 9)
Introduction to Course
The Historic Origins of Environmental Anthropology
Early Environmental Determinism and the European Enlightenment
The Age of Exploration, Charles Darwin and the Concept of Natural Selection

**Readings:** Kaplan and Manners Ch 1, pp 32-38

**Week 2** (Jan 14, 16)
Social Darwinism and Herbert Spenser
Unilineal Social Evolution (E.B. Tylor and L. H. Morgan)
“Savagery, Barbarism and Civilization”

Readings: Kaplan and Manners Ch 1, pp 38-43
L.H. Morgan “Ethnical Periods”

Week 3 (Jan 21, 23)
Early 20th Century Anthropology
Boas and the rejection of the environmental focus
The British Structural/Functionalists
Leslie White and “energy capture”
Julian Steward and Cultural Ecology

Readings: Kaplan and Manners pp 43-45
F. Boas “The Limitations of the Comparative Method”
Leslie White “Energy and the Evolution of Culture”

Week 4 (Jan 28, 30)
Karl Marx, Fredrich Engels and Historical Materialism
Neo-Evolutionary Social Theory
Just what role does the environment have in influencing cultural expression?
The ‘Environment’ as a ‘relative’ cultural construct.

Readings: Kaplan and Manners pp 46-48, 75-87,
J. Steward “The Concept and Method of Cultural Ecology”
“Cultural Causality and Law”

Week 5 (Feb 4, 6)
New Directions in Environmental Anthropology
The 1960’s and Ecosystem Studies
Ecosystem and Environment: Borrowing of biological terms?
What is an Ecosystem, how do you define and demarcate it?
Systems Theory: Is it really a theory?
How do human ecosystems differ from “natural” ones? (Butzer)
New Directions in Ecological Anthropology (across space and through time)

Readings: Salmon 1978
Butzer in Moran
Lees and Bates “The Ecology of Cumulative Change”
Gross “Ecosystems and Methodological Problems in Ecological Anthro”
Winterhalder 1984

Week 6 (Feb 11, 13)
Conceptual and operational weaknesses of General Systems Theory
Diachronic applications of GST (Kent Flannery)
Marvin Harris and Cultural Materialism

Readings: Kaplan and Manners pp 91-101
Flannery “Archaeological Systems Theory and Early MesoAmerica”
Harris “Theoretical Principals of Cultural Materialism”
“Cows, Pigs, Wars and Witches”

Feb 18 to 22 Fall Study week (No classes)

Week 7 (Feb 25, 27) Mid Term Test
Three types of ecosystem analysis
- comparative (Murphy and Steward)
- cross-sectional
- longitudinal
Synchronic Models of Environmental Anthro
Boreal Forest adaptation systems
Foragers manipulating and changing their environment (fire ecology).

Readings
Gross “Ecosystems and Methodological Problems in Ecological Anthro”
Thomas 1973
Tanner 1978
Feit 1978

Week 8 (Mar 4, 6)
Economic Anthropology and the debate between the Formalists and the Substantivists
Humans as rational calculators
Alturism and its role in understanding social behaviour
Mathematical Modeling of Human Behaviour: Optimal Foraging and Linear Programming
Readings: Winterhalder 1983
Moore and Keene 1983 ch 6

Week 9 (Mar 11, 13)
American Archaeology: The growing Ecological Emphasis
- The Speculative Period (1492-1840)
- The Classificatory-Descriptive Period (1840-1914)
- The Classificatory-Historical Period (1914-1940)
Readings: Willey and Sabloff Ch 2, 3, 4

Week 10 (Mar 18, 20)
American Archaeology cont’d
- The Classificatory-Historical Period cont’d (1940-1960)
- The Modern Period (1960-present) Processualism and the Environmental Focus
Readings: Willey and Sabloff Ch 5, 6
Flannery “Archaeology with a capital S”

Student Seminar presentations or case study

Week 11 (Mar 25, 27)
Student Seminar presentations

Week 12 (Apr 1, 3)
Student Seminar presentations

Readings List
Anderson, James N.

Applebaum, Herbert (ed)
1987 Perspectives in Cultural Anthropology State University of New York Press, Albany

Barth, F.

1956 “Ecological relationships of ethnic groups in Swat, North Pakistan, American Anthropologist 58: 1079-1089

Bennett, John W.

Bertalanffy, L. von

Bettinger, R.L.

Binford, L.R.

Binford, L.R. and J.A. Sabloff

Binford, S.R. and L.R. Binford (eds)
1968 New Perspectives in Archeology Aldine, Chicago.

Bishop, C.A.
1974 The Northern Ojibwa and the Fur Trade: An Historical and Ecological Study Holt, Rinehart and Winston of Canada, Toronto

1986 “Territoriality among Northeastern Algonquians” Anthropologica 28 (1-2) 37-63

Boas, F.

Bohannan, P. and M. Glazer (ed)
1988 High Points in Anthropology Alfred A. Knopf, New York

Burley, D.V. and S. Hamilton
1990 “Rocky Mountain Fort: Archaeological Research and the Late 18th Century North West Company Expansion in British Columbia” BC Studies no 88 winter pp 3-20

Carneiro, Robert L.

Cohen, M.N.

Conkey, M.W. and J.D. Spector

Cook, S.

Cox, Bruce
1978 Cultural Ecology Macillian Co of Canada

Dalton, G.

Deagan, K.
1982 “Avenues of inquiry in historical archaeology” In Advances in Archaeological Method and Theory 5: 151-177

Dunnell, R.C.
Feit, H.  
1978  “The Ethno-Ecology of the Waswanipi Cree: or How Hunters Can Manage Their Resources” in Cultural Ecology edited by Bruce Cox MacMillian Co of Canada

Flannery, K.V.  


Gibbon, G.  

Goudie, Andrew  

Geertz, C.  
1963  Agricultural Involution: The Processes of Ecological Change in Indonesia University of California Press, Berkeley

Gross, D.R.  

Hallpike, C.R.  


Hamilton, S.  

Hardesty, Donald L.  
1977  Ecological Anthropology John Wiley and Sons, New York

Harris, Marvin  


Helm, June  


Hickerson, Harold  
1965  “The Virginia Deer and Intertribal Buffer Zones in the Upper Mississippi Valley” in A. Leeds and A.P. Vadyda Man, Culture and Animals, the Role of Animals in Human Ecological Adjustments Publication 78, American Association for the Advancement of Science, pp 43-65, Washington.

Hodder, Ian
1985 “Postprocessual archaeology”
Advances in Archaeological Method and Theory 8: 1-26


1992 Theory and Practise in Archaeology Routledge, New York

Jochim, Michael

Kaplan, D. and R.A. Manners
1972 Culture Theory Waveland Press, Prospect Heights

Keegan, W.

Keene, A.S.

Knudtson, P. and D. Suzuki
1992 Wisdom of the Elders Stoddart Publishing Co., Toronto

Lee, R.B. and I. DeVore
1968 Man the Hunter Aldine Publishing Co, Chicago

Lees, S.H. and D.G. Bates

Leone, M.P.

Leone, M.P. and P. B. Potter (ed)
1988 The Recovery of Meaning Historical Archaeology in the Eastern United States Smithsonian Institution Press, Washington

Leone, M.P., P.B. Potter jr, and P.A Shackel

Little, M.A. and G. Morren, jr.

McGee, R. Jon and Richard L. Warms

McIntosh, R.P.

Moore, J.A. and A.S. Keene (ed)

Moran, Emilio F. (ed)

1990 The Ecosystem Approach in Anthropology From Concept to Practice University of Michigan Press, Ann Arbor.

Morgan, Lewis Henry

Morris, Freilich

Netting, Robert M.
1968   Hill Farmers of Nigeria: Cultural Ecology of the Kofyar of the Jos Plateau
       University of Washington Press, Seattle.

1973   “Fighting, Forest and the Fly: Some Demographic Regulators among the Kofyar”
       Journal of Anthropological Research 29: 164-179

1986   Cultural Ecology (2nd Edition),

Odum, Eugene P.
       W.B. Saunders Co, Toronto

Orlove, Benjamin

Raab, L.M. and A.C. Goodyear
1984   “Middle-range theory in archaeology: a critical review of origins and applications”

Reichel-Dolmatoff, G.

Renfrew, Colin and Ezra W. Zubrow (ed)
1994   The Ancient Mind: Elements of Cognitive Archaeology

Rindos, David
1984   The Origins of Agriculture: An Evolutionary Perspective

1989   “Undirected Variation and the Darwinian Explanation of Cultural Change”
       Archaeological Method and Theory Vol 1 edited by M.B. Schiffer, University of Arizona press, Tucson

Rogers, E.S.

Rouse, I.B.

Roy, Ellen

Sahlins, M.D.


Salmon, M.

Schrire, Carmel

Schalk, R.F.

Shanks, Michael and Christopher Tilley

Smith, Robert Leo (ed)

Speck, Frank
1978   “The Family Hunting Band as the Basis of Algonkian Social Organization” in
Cultural Ecology edited by Bruce Cox
Macillian Co of Canada

Steward, Julian H.
1936 “The Economic and Social Basis of Primitive Bands” in Essays on Anthropology in Honor of Alfred Louis Kroeber University of Californian Press Berkeley pp311-50


Trigger, Bruce G.

Vayda, Andrew P.


Vayda, A.P. and B. McCay

Vayda, A. and R.A. Rappaport
1968 “Ecology, Cultural and Noncultural” In Introduction to Cultural Anthropology edited by J. Clifton pp 477-497 Houghton Mifflin, Boston

Watson, P.J., S.A. LeBlanc and C.L. Redman

Wiener, N.

Willey, G.R. and J.A. Sabloff

Winterhalder, B and E.A Smith (ed)

Winterhalder, B.


Thomas, D.H.