INTRODUCTION

Contemporary ecological anthropology is a mature topical specialization focused on human-environment interactions which crosscuts the five subfields of anthropology (linguistic, cultural, archaeological, applied, and physical or biological). The maturity of ecological anthropology is evidenced by the existence of its own separate unit within the American Anthropological Association (Anthropology and Environment Section 1996-), journals (Human Ecology 1972-, Georgia Journal of Ecological Anthropology 1997-), textbooks (1977-), courses, special programs or concentrations, listserv (1996-), and so on (see Table 1-5, Figures 1-5, and Appendices 1-5). The 2003-2004 AAA Guide lists the following number of members in these units of related subjects: Anthropology and Environment Section (517), Council on Nutritional Anthropology (207), Culture and Agriculture (311), and Society for Medical Anthropology (1437).

Since the 1950s each of the five subfields of anthropology has developed one or more approaches to human-environment interactions (Figure 1). Furthermore, since the 1980s there has been an additional proliferation of rather diverse approaches within ecological anthropology analogous to an adaptive radiation. A search of key words in the AAA Guide/E-Guide reveals the relative frequency of interest in various domains within ecological anthropology, and accordingly neglected topics such as ethnozoology in contrast to ethnobotany (Table 1).
Approaches within Ecological Anthropology

(Among others not diagrammed are political ecology, spiritual...
ecology, and environmental anthropology).

TABLE 1. DOMAINS WITHIN ECOLOGICAL ANTHROPOLOGY*

<table>
<thead>
<tr>
<th>Domain</th>
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<tbody>
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<td>714</td>
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<tr>
<td>Environment</td>
<td>277</td>
</tr>
<tr>
<td>Cultural ecology</td>
<td>169</td>
</tr>
<tr>
<td>Adaptation</td>
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<tr>
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<td>Ecological anthropology</td>
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<td>Behavioral ecology</td>
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<td>Evolutionary ecology</td>
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</tr>
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<td>Environmental anthropology</td>
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<tr>
<td>Environmental archaeology</td>
<td>20</td>
</tr>
<tr>
<td>Ethnobiology</td>
<td>19</td>
</tr>
<tr>
<td>Primate behavior and ecology</td>
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</tr>
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<td>Paleoenvironment</td>
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<tr>
<td>Primate ecology</td>
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<td>Historical ecology</td>
<td>11</td>
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<tr>
<td>Human adaptability</td>
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<tr>
<td>Biodiversity</td>
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<tr>
<td>Ethnoprimateology</td>
<td>2</td>
</tr>
<tr>
<td>Spiritual ecology</td>
<td>1</td>
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</table>

*Note the above ranking is drawn from the complete data base of departments of anthropology in the AAA Guide representing all subfields. (Also see Appendix 6 for a sample of course offerings).

The present review focuses exclusively on cultural anthropologists for the sake of expediency and because the ecological approaches of the other subfields are often so
different even though complementary. Also it should be noted that faculty may exist who have some interests in ecology but do not specifically identify them among their specializations in the AAA Guide. Furthermore, there are a surprisingly large number of faculty members who identify some interest in ecology in the AAA Guide but do not teach in graduate programs and accordingly are not considered in this survey.

DOCTORATES

The university departments that awarded the most doctorates to cultural anthropologists who now identify some ecological interests among their specializations and are full-time faculty in graduate programs are: University of California at Berkeley (13), Stanford University (10), University of Michigan (9), University of Arizona (8), and Yale University (8) (Table 2).

TABLE 2. DOCTORATES BY UNIVERSITY OF CULTURAL ANTHROPOLOGISTS WHO NOW IDENTIFY SOME ECOLOGICAL INTERESTS AND TEACH IN GRADUATE PROGRAMS

UC Berkeley 13
Stanford 10
Michigan 9
Arizona 8
Yale 8
Columbia 7
New Mexico 7
Cornell 6
UCLA 6
Wisconsin 6

Florida 5
Harvard 5
Indiana 5
Oxford 5

McGill 4
Oregon 4
Pennsylvania 4
Washington 4
Likewise, the distribution of years in which the doctorates were awarded in this sample is revealing (Table 3, Figure 2). Whereas in the 1950s only three doctorates were awarded, by the 1960s there were 14, a major leap ahead from previous decades. During the 1970s that number increased about fourfold to 60, and it has remained at that level during the 1980s and 1990s. However, only a total of 213 cultural anthropologists compose the main sample in the present survey. The AAA Guide lists 517 members of the Anthropology and Environment Section, but that includes other subfields as well as cultural anthropology (AAA 2003:538-539). Also 714 individuals identify ecology as one of their specializations according to a key word search of the AAA E-Guide.

Table 3. Doctorates by Year*

2003 X (18 since 2000)
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<tr>
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</tr>
<tr>
<td>1999</td>
<td>xxxxxxxx (61 in the 1990s)</td>
</tr>
<tr>
<td>1998</td>
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<tr>
<td>1997</td>
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<tr>
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<td>1989</td>
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<td>xx (14 in the 1960s)</td>
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<td>1956</td>
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</table>
*Each "X" represents one doctorate. The total number of doctorates for each decade is given in parentheses. Again, these are only for the subfield of cultural anthropology and only for full-time faculty teaching in graduate programs who identify some ecological interests among their specializations.

FIGURE 2.
TRAINING

Clearly during the last three decades there has been a steady production of cultural anthropologists with doctorates who at one time or another developed some interests in ecology. At the same time, the locus of training in ecological anthropology has shifted markedly over the decades. Perhaps this reflects the presence of one or more individuals with an interest in ecology more than any degree of commitment by departments to ecology. For instance, Columbia University used to be the primary graduate program for training in ecological anthropology during the periods when Julian Steward, Marvin Harris, and others were on the faculty, but it lost that status about a decade ago as the focus shifted elsewhere as the number of departments with concentrations of faculty with interests in ecology proliferated (see Appendix 1 and Murphy 1991).

Currently ecological interests among cultural anthropologists who are full-time faculty in graduate programs are concentrated in the University of Washington (9 faculty), University of Georgia (7), Indiana University (5), University of Michigan (5), and University of Oslo (5) (see Table 4, Appendix 5). (If the ecological interests of the other subfields in addition to cultural anthropology were included, then many departments would have even greater numbers of such faculty).

Today a surprising number of universities have concentrations of cultural anthropologists with ecological interests who could develop special graduate programs in ecological and/or environmental anthropology, although only a few advertise such opportunities like the University of Arizona, University of California at Riverside, University of Florida, University of Georgia, University of Hawai`i, Indiana University, University of Kent, University of Kentucky, University of New Mexico, University of North Carolina, Rutgers University, and the University of Washington. Furthermore, as already exist in applied anthropology, archaeology, cultural resource management, medical anthropology, social anthropology, social work and anthropology, and other specializations, it would be quite feasible for some departments to offer a certificate or even MA or PhD specifically in ecological and/or environmental anthropology (see Table 4, Appendices 5-6).
TABLE 4. NUMBER OF CULTURAL ANTHROPOLOGISTS WHO IDENTIFY SOME ECOLOGICAL INTERESTS BY UNIVERSITY DEPARTMENT*

<table>
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<th>Number of Faculty</th>
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<tr>
<td>Indiana</td>
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<td>Colorado</td>
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<td>CIIS</td>
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<td>Kent</td>
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<td>Kentucky</td>
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<tr>
<td>McGill</td>
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<td>Nebraska</td>
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<td>New Mexico</td>
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</tr>
<tr>
<td>Wisconsin</td>
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</tr>
</tbody>
</table>

*These university departments are ranked by the number of regular full-time faculty who are cultural anthropologists, identify some ecological interests, and teach in graduate programs.
COURSES

An exploration of the web sites for some major graduate programs with a high concentration of cultural anthropologists who identify some ecological interests and are full-time faculty reveals that usually a survey course called ecological anthropology, cultural ecology, human ecology, or human adaptation is offered at an undergraduate level and less frequently at the graduate level as well. Additional courses in ecological anthropology focus on narrower topics, and these are apparently a reflection of the expertise and interest of particular faculty members. These topics range from theoretical and/or methodological approaches (e.g., historical ecology, political ecology, behavioral ecology, or remote sensing) to categories of subsistence and/or economy (e.g., hunter-gatherers, pastoralists, farmers, or fishers) to types of biomes (e.g., tropics, mountains, or islands) to regions (e.g., Amazon or mainland Southeast Asia). However, there is no evidence of any common progression of specific courses in a unified curriculum for ecological anthropology following the introductory course. Nevertheless, it is impressive that there are departments which offer as many as about two dozen courses in some aspects of ecological anthropology such as the University of Georgia. Yet rarely do department web sites include any course syllabi let alone course web sites. Unfortunately, the information provided by different university and department web sites varies widely in kind, amount, clarity, and comparability. Thus, the sample of course offerings listed here is suggestive rather than exhaustive although still very interesting and informative (Appendix 6).

REGIONAL FOCI

Finally, the regional distribution of ecological interests helps identify those geographical areas of concentration and of neglect (Table 5, Figures 3-5). The greatest amount of interest is in North America and Asia (especially Southeast Asia), while the least interest is in Europe, East Asia, Micronesia and Polynesia. This distribution may suggest regional needs or opportunities for future research. (Here it should also be mentioned that there is some urgency for research in island and coastal areas because of sea level rise with global warming).
### TABLE 5. REGIONAL FOCI OF CULTURAL ANTHROPOLOGISTS IDENTIFYING SOME ECOLOGICAL INTERESTS AND TEACHING IN GRADUATE PROGRAMS*

<table>
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</tr>
<tr>
<td>Norway</td>
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<td>Russia</td>
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<tr>
<td>Scandinavia</td>
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<tr>
<td>Scotland</td>
<td>x</td>
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</tr>
<tr>
<td>Spain</td>
<td>xx</td>
<td></td>
</tr>
</tbody>
</table>
UK x
former USSR x

OCEANIA xxxxxxxxxxx
Australia xxx
New Zealand x
Melanesia xxxxxxxxx
Torres Strait xx
Solomons x
Micronesia xxx
Polynesia x
PNG xxxxxxx
Irian Jaya x

*Each "X" represents one individual, but may include a general region (e.g., Africa) and subregion (e.g., East Africa), and in some cases country (e.g., Nigeria).

FIGURE 3.

Regional Foci
FIGURE 4.

Asian Foci

FIGURE 5.

Pacific Foci
CONCLUSIONS

Although many details and much of the contexts are missing here, the above information and comments still provide some fascinating and useful insights into the academic characteristics of cultural anthropologists interested in ecology, something neglected in literature review articles which focus nearly exclusively on research and publications (Appendix 2). The main findings of this analysis are as follows:

(1) Ecological anthropology has grown steadily in the last three decades based on several indicators (AAA unit, listserv, journals, texts, courses, doctorates, programs, status reviews, festschriffts, and so on).

(2) Each of the five subfields of anthropology has developed one or more particular approaches within ecological anthropology while other approaches bridge disciplines (e.g., political ecology, spiritual ecology).

(3) The topical domains within ecological anthropology have proliferated as well as the variety of courses offered.

(4) Centers for graduate study have shifted and proliferated, this apparently more often in association with particular individuals rather than any departmental or institutional commitment.

(5) Some departments have sufficient faculty and course strength to develop special programs or concentrations in ecological anthropology and the number of these is growing.

(6) Departments do not appear to specify any sequence or progression of courses in ecological anthropology, even those with special programs.

(7) Significant disparities exist in the regional coverage by researchers with some areas like Europe, East Asia, Micronesia, and Polynesia sorely neglected.

Hopefully this survey will prove useful to faculty and students interested in ecological anthropology for their planning and development. The author would greatly appreciate any corrections or other suggestions for revision (sponsel@hawiai.edu). Readers should check individual department web sites for the most current information.
SELECTED REFERENCES (beyond those cited elsewhere in this study)


_____, 1997a, "Julian Steward," in The Dictionary of


APPENDIX 1. TIME LINE OF DEVELOPMENTS IN THE HISTORY OF ECOLOGICAL ANTHROPOLOGY

1926  Clark Wissler (1870-1947) publishes The Relations of Nature to Man in Aboriginal America, New York, NY: Oxford University Press, the cultural area approach anticipating some aspects of cultural ecology.

1934  Daryll Forde (1902-73) publishes Habitat, Economy and Society, a pioneering work in the direction of cultural ecology.


1939  Alfred L. Kroeber (1876-1960) publishes Cultural and Natural Areas of Native North America, Berkeley, CA: University of California Press, the culture area of historical particularism approach anticipating some aspects of cultural ecology.

1946  Julian H. Steward begins long period of teaching at Columbia University in which he influences many students with his ideas about multilinear evolution and cultural ecology. (Previously he taught at the University of Michigan in 1928, the University of Utah in 1930, and the University of California at Berkeley in 1933-34).

1952  Julian H. Steward moves to teach at the University of Illinois at Urbana until his death in 1972.


1953  Marvin Harris (1927-2001) teaches at Columbia University from 1953 until 1980 when he moves to the University of Florida to teach until his retirement in 2000.


1960  Andrew P. Vayda joins faculty at Columbia University where he taught until 1972 when he moved to Cook College at Rutgers University contributing to the development the program in human ecology until his retirement in 2003 (see Ellen 2004).


1965  Roy A. Rappaport (1926-1997) joins the faculty of the University of Michigan where he taught until his death.

1968  Roy A. Rappaport publishes Pigs for the Ancestors: Ritual in the Ecology of A New Guinea People, generally recognized as the most influential field study in ecological anthropology applying principles from systems analysis and biological ecology, and also a precursor of spiritual ecology. A second edition in 1984 includes an extensive Epilogue in which he responds to criticisms. (See Messer and Lambeek 2001).

1969  Establishment of the Journal of the Steward Anthropological Society at the University of Illinois at Urbana

1969  Andrew P. Vayda edits Environment and Cultural Behavior, Garden City, NY: Natural History Press, a historical collection of reprinted and original essays
in cultural ecology.

1972  The interdisciplinary journal *Human Ecology* was founded and initially edited for its first five years by Andrew P. Vayda.


1977  Robert M. Netting (1934-95) publishes *Cultural Ecology*, Prospect Heights, IL: Waveland Press, the first textbook on this subject. It is organized around types of subsistence economies which has been the most common organizational principle at least since Forde 1934 book (see Wilk and Stone 1998).

1977  Donald L. Hardesty publishes *Ecological Anthropology*, New York, NY: John Wiley, a substantial textbook organized around the applications of ecological principles from biology to the anthropological study of human-environment interactions.

1979  Marvin Harris publishes *Cultural Materialism: The Struggle for a Science of Culture*, New York, NY: Random House, which systematically develops his cultural materialist research strategy and thoroughly critiques alternatives (see Murphy and Margolis 1995).


1981  Leslie E. Sponsel hired to development the Ecological Anthropology Program at the University of Hawai`i

the best history of the development of theory and method in ecological anthropology.


1996  Anthropology and Environment Section established as a unit within the American Anthropological Association, now with 517 members listed in the 2003-2004 *AAA Guide*.


1996  Listserv established for Ecological and Environmental Anthropology based at the Department of Anthropology of the University of Georgia.

1997  Student periodical *Georgia Journal of Ecological Anthropology* started publication at the Department of Anthropology of the University of Georgia.


1999  Conrad P. Kottak publishes "The New Ecological Anthropology" *American Anthropologist* 101(1):23-35, which perceptively summarizes recent developments including new methods (long-term, multiscalar, linkages, comparison, team, etc.); shift in emphasis toward political ecology and more engaged research (applied, policy, advocacy); and focus on critical practical issues (neocolonialism, biodiversity conservation, environmental justice, etc.) (cf. Little 1999, Sponsel 1995:279, 1997b).


2001  Carole Crumley edits *New Directions in Anthropology and Environment: Intersections*, Thousand Oaks, CA: AltaMira Press, which includes seminal essays on new research frontiers such as historical, political, and spiritual ecology.

APPENDIX 2. STATUS REVIEWS


APPENDIX 3. FESTSCHRIFTS

Julian H. Steward


Roy A. Rappaport


Marvin Harris


John W. Bennett

APPENDIX 4. TEXTBOOKS


APPENDIX 5. INVENTORY OF DEPARTMENTS WITH CULTURAL ANTHROPOLOGY FACULTY WHO IDENTIFY SOME INTEREST IN ECOLOGY AND ARE TEACHING IN GRADUATE PROGRAMS*

U ADELAIDE Australia  MA, PhD
Adrian Peace (Sussez 74) environmental movement, Nigeria, Ireland, Australia
James Taylor (Macquarie 90) ethnoecology, mainland SE Asia, Thailand

U ALABAMA Birmingham  MA
Loretta Cormier (Tulane 99) ecological anthropology, lowland S. America
Chrisa E. Kyle (Columbia 95) cultural ecology, Latin America

U ALASKA Anchorage MA
Stephen J. Langdon (Standford U 77) ecological anthropology, Alaska, NW Coast, N America
David C. Natcher (Alberta 99) human ecology, resource management, Alaska, Canada

U ALASKA Fairbanks MA PhD
S. Craig Gerlach (Brown 89) historical ecology, sustainable development, subsistence and land use, high latitude farming systems, human-wildlife and human-livestock interactions

U ALBERTA  MA PhD
Christopher Fletcher (Montreal 2002) ecological, cultural landscape, circumpolar regions
Gregory Forth (Montreal 80) ethnobiology, SE Asia

Clifford G. Hickey (Brown 75) co-management of natural resources, integrated land use management, Arctic, subarctic

Mark Nutall (Cambridge 90) human-environment relations, sustainability marine resources, Greenland, Alaska, Canada, Scotland, Scandinavia

ARIZONA STATE U

James F. Eder (UC Santa Barbara 74) ecological anthropology, SE Asia, Philippines

U ARIZONA

Mark A Nichter (Edinburgh 77) political ecology, S & SE Asia

Thomas Kerlin Park (Wisconsin 83) political ecology, Near East, Sahel, Africa

AUBURN U MA

Kelly D. Alley (Wisconsin 90) religion and ecology, environmental movements, India, Alabama

Keith Prufer (Southern Illinois 2002) historical ecology, Mesoamerica

BALL STATE U MA

Paul B. Wohlt (Minnesota 78) ecological anthropology, Melanesia

BOSTON U MA applied, PhD

Robert P. Weller (Johns Hopkins 80) environmental, China, Taiwan
U BRITISH COLUMBIA  MA PhD

Charles R. Menzies (City U NY 98) resource management, NW Coast, Brittany

U CALGARY MA PhD

Julia Murphy (York 93) environmentalism, Mexico

CALIFORNIA INSTITUTE OF INTEGRAL STUDIES MA PhD

Angana P. Chatterji (CIIS 99) ecological justice, India, S. Asia, USA

Mutombo Manbya (Michigan 82) management of natural resources, ecology, Africa

Charlene Spretnak (UC Berkeley 81) ecofeminism, US, Europe

CALIFORNIA STATE U Chico MA

William M. Loker (Colorado Boulder 86) human ecology, environment and development, Latin America

U CALIFORNIA Berkeley PhD

Corinne Hayden (UC Santa Cruz 2000) environment and development, Latin America, Mexico

Donald S. Moore (Stanford 95) environmental politics, political ecology, Africa

U CALIFORNIA Davis MA/MS PhD

David J. Boyd (UCLA 75) political ecology, ecological anthropology, Melanesia, Papua New Guinea

Richard McElreath (UCLA 2001) behavioral ecology, pastoralism, E Africa

Suzana Sawyer (Stanford 97) environmental politics, Latin America, Ecuador
Bruce Winterhalder (Cornell 77) ecological anthropology, behavioral and evolutionary ecology, agroecology, subarctic N. America, Central Andes

U CALIFORNIA Irvine PhD

Michael Burton (Stanford 68) ecological anthropology, Micronesia, Africa

Paula Garb (USSR Academy of Sciences 90) ethnic and environmental conflict in former USSR

U CALIFORNIA Los Angeles MA PhD

Allen W. Johnson (Stanford 68) cultural ecology, Latin America

U CALIFORNIA Riverside MA MS PhD

Eugene N. Anderson (UC Berkeley 67) human ecology, ethnobotany, fishing societies, E Asia, Mexico, NW Coast

Maria L. Cruz Torres (Rutgers 91) ecological anthropology, fisheries and aquaculture, Mexico, US, Caribbean

Paul H. Gelles (Harvard 90) cultural politics of resource management, Latin America, Central Andes

U CALIFORNIA Santa Barbara MA PhD

Shankar Aswani (Hawaii 97) marine ecological knowledge, foraging strategies, common property resources, Solomon Islands, Melanesia, insular Pacific

Michael D. Gurven (New Mexico 2000) human behavioral ecology, hunter-gatherers, conservation, S America

Susan C. Stonich (Kentucky-Lexington 86) political ecology, environmental anthropology, development, aquaculture, Central America, Mexico, Caribbean, rural US

John Tooby (Harvard 89) behavioral ecology, N America, Amazonia
U CALIFORNIA Santa Cruz MA PhD
Hugh Raffles (Yale 98) cultural politics of environment, Brazilian Amazon
Anna L. Tsing (Stanford 84) social landscapes and tropical forest ethno-ecologies, SE Asia, US

CASE WESTERN RESERVE U MA PhD
Melvyn C. Goldstein (Washington 68) cultural ecology, Tibet, China, Mongolia, Nepal

CATHOLIC U MA PhD
David W. Guillet (Texas-Austin 74) ecological anthropology, Latin America, Spain

CENTRAL WASHINGTON U Ms (resource management, interdisciplinary)
Tracy J. Andrews (Arizona 85) ecological anthropology, US Hispanics, Native North America
Lene Pedersen (Southern California 2001) ecological anthropology, SE Asia, Subsaharan Africa, Circumpolar North

C WILLIAM AND MARY MA PhD
William H. Fisher (Cornell 91) political ecology, Amazon, Brazil

COLORADO STATE U MA
Kathleen A. Galvin (SUNY-Binghamton 85) human adaptability and vulnerability, pastoralists, human dimensions of global environmental change, E & S Africa, central Asia

U COLORADO Boulder MA PhD
James R McGoodwin (Texas 73) fisheries, maritime, environmental policy, Mexico, North Atlantic Rim
Paul Shankman (Harvard 73) cultural ecology, Oceania

U COLORADO Denver MA

John Brett (UC Berkeley 94) ethnoecology, sustainability, Mexico, Bolivia, rural Colorado

Kitty Corbett (UC Berkeley 86) social ecology, US, Latin America, Taiwan

James Igoe (Boston 99) political ecology, pastoralism, E Africa

Stephen Koester (Colorado 86) political ecology, US, Caribbean

COLUMBIA U MA PhD

Steven Gregory (New School 86) environmental justice

Paige West (Rutgers 2000) environmentalism, critical analyses of conservation and development, Melanesia, Pacific

U CONNECTICUT MA PhD

James Boster (UC Berkeley 81) ethnobiology, human ecology, S America

W Penn Handwerker (Oregon 71) political ecology, W Africa, W Indies, Native N America, US

Richard H. Sosis (New Mexico 97) behavioral ecology, foraging theory, Micronesia, Middle East

DALHOUSIE U MA

Marian Binkley (Toronto 81) cultural ecology, maritime, N Atlantic, Island States

U DENVER MA

Richard O. Clemmer-Smith (Illinois 72) cultural ecology, US SW & Great Basin
EAST CAROLINA U MA

John R. Bott (Oregon 76) cultural ecology, maritime, Latin America

EMORY U PhD

Joseph Henrich (UCLA 99) political ecology, S America

FLORIDA ATLANTIC U MA, MAT

Michael S. Harris (Methodist 89) cultural ecology, Bangladesh, Ecuador, S Florida

FLORIDA INTERNATIONAL U MA and PhD in Comparative Sociology

Jerald B. Brown (Cornell 72) cultural ecology, Latin America

Janet M. Chernela (Columbia 83) ecological anthropology, Amazon, Brazil, Caribbean

William T. Vickers (Florida 76) human ecology, Amazon, Andes, Ecuador, Peru, Mexico

U FLORIDA MA PhD

Maxine L. Margolis (Columbia 70) ecology, Brazil, Paraguay, US

Gerald F. Murray (Columbia 77) agroforestry, Caribbean

Anthony Oliver-Smith (Indiana 74) disaster, Peru, Spain, US

J. Richard Stepp (Georgia 2002) ecological anthropology, ethnobotany, conservation, Mesoamerica
U GEORGIA PhD

Brent Berlin (Stanford 64) ethnobiology, Mesoamerica, Amazonia

Elois Ann Berlin (UC Berkeley/San Francisco 81) ecological anthropology, Maya, Amazon

Ben G. Blount (UC Berkeley 69) coastal, human population ecology, Micronesia, Polynesia, Mexico

J. Peter Brosius (Michigan 92) conservation, environmental discourses, political ecology, hunter-gatherers, Southeast Asia

Ted L. Gragson (Pennsylvania State 89) human behavioral ecology, ecoregional conservation and development, ethnoecology, Latin America, southern Appalachia

Virginia D. Nazarea (Kentucky 87) ecological anthropology, ethnoecology, culture and biodiversity, Philippines, Ecuador, American South

Robert E. Rhoades (Oklahoma 76) ecological anthropology, agricultural anthropology, comparative mountain research, climate change, Andes, Himalayas

U HAWAI`I Manoa

Leslie E. Sponsel (Cornell 81) ecology (cultural, historical, political, spiritual, Buddhist), sacred places, biodiversity, ethnoprimateology, Southeast Asia (Thailand), Amazon (Venezuela)

U HOUSTON MA (Certificate in Applied Anthropology)

Janice Harper (Michigan State 99) environmental anthropology, warfare and environment

IDAHO STATE U MA, MS

Maria D. Glowacka (Warsaw 2000) environmental interest

Anthony W. Stocks (Florida 78) human ecology, social forestry, resource management, Amazonia, Latin America
U IDAHO MA

Laura Puttsche (Washington 93) cultural ecology, Latin America, Amazonia

INDIANA U MA PhD

Eduardo S. Brondizio (Indiana 96) cultural ecology, land use, ethnobotany, remote sensing, Amazonia, Brazil

Emilio Frederico Moran (Florida 75) cultural ecology, global environmental change, agroecology, remote sensing and GIS, Latin America, Brazil

M Nazif Sharani (Washington 76) cultural ecology, Middle East, Central Asia

Catherine M. Tucker (Arizona 96) political ecology, common property and land tenure, landuse/land cover change, Latin America

Richard Wilk (Arizona 81) globalization and environmental change, Mesoamerica, Belize

IOWA STATE U MA

Shu-min Huang (Michigan 77) cultural ecology, SE & S Asia

Hsain Ilahiane (Arizona 98) ecological anthropology, agrarian practices, Middle East

U IOWA MA, PhD

Scott Schnell (Ohio S 93) ecology and environment, Japan, Okinawa, E Asia

U KANSAS MA, PhD

Jane W. Gibson (Florida 92) ecological anthropology, natural resource management, US, Central America
U KENT Canterbury MA, MS, MPhil, PhD

Roy F. Ellen (London 73), ecology of subsistence economies, environmental anthropology, ethnobiology, SE Asia, Indonesia

Michael D. Fischer (Texas Austin 86), ecology, Pakistan, Kahire

Rajindra K. Puri (Hawaii 97) ethnobiology, environmental anthropology, conservation and development, historical ecology of tropical forest peoples, SE Asia, Borneo

U KENTUCKY MA PhD

Lisa Cliggett (Indiana 97) ecological anthropology, demography, sub-Saharan Africa, Zambia, Haiti, Caribbean

Peter D. Little (Indiana 83) ecological anthropology, agrarian change, pastoralism, sub-Saharan Africa

Paul Trawick (Yale 94) ecological anthropology, water management, Andes

KYOTO BUNKYO U MA

Hiroshi Matsuda (MA Kyoto 88) ecological anthropology, Ethiopia, Africa

U LETHBRIDGE MA

Jan Newberry (Arizona 97) political ecology, mapping and space, Indonesia, SE Asia

Judith Whitehead (Toronto 88) environment and development, S Asia

U MANITOBA MA PhD

Jean-Luc Chodkiewicz (Columbia 72) ecology, Latin America

U MARYLAND MA Applied Anthropology

Michael J. Paolisso (UCLA 85) environmental anthropology, Latin America, Kenya, Nepal, Chesapeake Bay
William T. Stuart (Oregon 71) cultural ecology

U MASSACHUSETTS Amherst MA PhD
Ralph H. Faulkingham (Michigan 70) human ecology, Africa
R. Brooke Thomas (Pennsylvania State 73) environmental anthropology, biocultural adaptation, political ecology, Andes, Mexico, India

MCGILL MA PhD
Donald W. Attwood (McGill 74) political ecology, irrigation, S Asia
John G. Galaty (Chicago 77) pastoralism, rangeland development, wildlife and community conservation, land tenure, eastern Africa
Colin H. Scott (McGill 83) indigenous ecological knowledge, land and sea tenure, resource management, Algonkian Subarctic, Torres Strait Islanders

MCMASTER MA, PhD
Harvey Feit (McGill 79) ecological anthropology, hunters and gatherers, Quebec and Canada
Petra Rethmann (McGill 96) nature and the environment, Russia, New Zealand

U MELBOURNE MA, PhD
Monica Minnegal (Queensland 94) ecological anthropology, political ecology, Melanesia, Papua New Guinea, Australia

U MEMPHIS MA
Melissa Checker (NY 2002) environmental anthropology, US
U MICHIGAN PhD

Gillian Feeley-Hamik (NY 76) political ecology, Madagascar, US, UK

Richard I. Ford (Michigan 68) ecology, ethnobotany, N America

Thomas E. Fricke (Wisconsin 84) cultural ecology, Nepal, S Asia, US

Stuart Kirsch (Pennsylvania 91) political ecology, Melanesia, Oceania

Melvin D. Williams (Pittsburgh 73) human behavioral biology and ecology, USA

MICHIGAN STATE U MA, PhD

Anne E. Ferguson (Michigan State 87) environment and development, Southern Africa, Central America

Laurie K. Medina (UCLA 92) political ecology, ecotourism, Central America, Caribbean

U MISSISSIPPI MA

Robbie F. Ethridge (Georgia 97) environmental anthropology, SE USA

U MONTANA MA

Kimber A. Haddix McKay (UC Davis 98) human behavioral ecology, Africa

MONTCLAIR STATE U MA in Practical Anthropology

Katherine McCaffrey (CUNY 99) environment, Latin America
U NEBRASKA MA

Patricia Draper (Harvard 72) cultural ecology, hunter-gatherers, Africa

Raymond Hames (UC Santa Barbara 78) behavioral ecology, S American Indians

Robert K. Hitchcock (New Mexico 82) human ecology, Africa

U NEVADA Las Vegas MA PhD

Daniel C. Benyshek (Arizona S 2001) political ecology, Native N America

U NEW MEXICO MA, MS, PhD

Kim Hill (Utah 83) human behavioral ecology, foraging strategies, demography, hunter-gatherers, lowland S America

Hillard S. Kaplan (Utah 83) evolutionary ecology, subsistence behavior, hunter-gatherers, S America

Sylvia Rodriguez (Stanford 81) land and water issues, US SW

CITY U NEW YORK PhD

Susan H. Lees (Michigan 70) human ecology, Mesoamerica, N America, Middle East

Thomas H. McGovern (Columbia 79) climatic impacts, human dimensions of global change, N Atlantic, eastern Arctic

STATE UNIVERSITY OF NEW YORK Binghamton MA, MS, PhD

Neville Dyson-Hudson (Oxford 60) human ecology, nomads, Africa, Middle East

Michael M. Horowitz (Columbia 59) environment, riverine and agropastoral ecosystems, Africa, Central and Southwest Asia
STATE UNIVERSITY OF NEW YORK Buffalo MA, PhD
Robert K. Dentan (Yale 65) ecology, Southeast Asia, Africa
Charles O. Frake (Yale 55) cultural ecology, Southeast Asia, Philippines, Europe

STATE UNIVERSITY OF NEW YORK Stony Brook MA, PhD
Karen L. Kramer (New Mexico 98) cultural ecology, behavioral ecology, demography, hunter-gatherer/agriculturalist comparative studies, Maya, Mexico

UNIVERSITY OF NORTH CAROLINA Chapel Hill
Carole L. Crumley (Wisconsin 72) historical ecology, Europe, N America
Arturo Escobar (UC Berkeley 87) environment, Latin America
Dorothy C. Holland (UC Irvine 74) environmentalism, US, Nepal

NORTHERN ARIZONA U MA
Miguel L. Vasquez (UC Davis 89) cultural ecology, indigenous agriculture, applied anthropology, globalization, agricultural development, US SW, Central America

NORTHERN ILLINOIS U MA
Andrea K. Molnar (Australian National 95) ecological anthropology, SE Asia, Indonesia, East Timor

NORTHWESTERN U MA, PhD
William Irons (Michigan 69) evolutionary ecology, demography, pastoral nomads, Middle East
OHIO STATE U MA, PhD

Chung-min Chen (Michigan 75) cultural ecology, peasant societies, China, SE Asia


U OKLAHOMA MA, PhD

Betty J. Harris (Brown 82) environment, globalization, Africa, US

Karl F. Rambo (SUNY Stony Brooke 93) cultural ecology, Oceania, Papua New Guinea

OREGON STATE U MAIS (Master of Arts in Interdisciplinary Studies), MA (applied anthropology)

Courtland L. Smith (Arizona 68) cultural ecology,

U OREGON MA, MS, PhD

Aletta Biersach (Michigan 80) political ecology, New Guinea

Geraldine Moreno (Florida 74) human ecology and adaptation, SE Asia, S America

U OSLO MA, Dr. Polit

Harald Beyer Broch (Bergen 90) ecology, maritime adaptations, Indonesia, Pacific and North Atlantic

Signe Howell (Oxford 81) theories of human culture and nature, Indonesia, Malaysia, Norway

Arne Kalland (Olso 88) resource management, environmental movement, Japan, E & SE Asia, Norway

Sarah Lund (Oslo 91) landscapes, N American subcultures, Latin America, Andes, Peru

Arve Sorum (Trondheim 90) human ecology, New Guinea, Melanesia, SE Asia
PENNSYLVANIA STATE UNIVERSITY MA, PhD

Stephen J. Beckerman (New Mexico 75) human ecology, optimal foraging theory, subsistence, lowland S America

E. Paul Durrenberger (Illinois 71) political economy, maritime anthropology, fisheries policy, SE Asia, Iceland, US

U PITTSBURGH MA, PhD

Richard Scaglion (Pittsburgh 76) ecological anthropology, Pacific Islands, New Guinea, Irian Jaya

PURDUE U MA, PhD

Myrdene Anderson (Yale 78) cultural ecology, Lapland and circumpolar regions

RUTGERS STATE U OF NEW JERSEY MA, PhD

Lee Cronk (Northwestern 89) human behavioral ecology, human evolutionary ecology, Africa, Caribbean

Angelique Haugerud (Northwestern 84) agrarian ecology, land tenure, development, Africa

SAN JOSE STATE U MA (interdisciplinary with emphasis in anthropology)

Lynn Sikkink (Minnesota 94) ecological anthropology, ethnobotany, Latin America, Andes

SIMON FRASER U MA, Phd

Marianne Boelscher Ignace (Simon Fraser 85) aboriginal resource management, NW N America, Plateau and NW Coast

Marilyn Gates (British Columbia 72) environmental anthropology, agricultural policy and practice, Latin America, Mexico
Michael Howard (Western Australia 77) natural resource management, SW Pacific

SONOMA STATE U MA Culture Resource Management
R. Thomas Rosen (UC Berkeley 68) applications in indigenous knowledge and common pool resources, human ecology, S Asia, Rajasthan
John D. Wingard (Pennsylvania 92) ecological anthropology, resource management, applied anthropology, GIS, Mesoamerica, Oceania, N America

U SOUTHERN CALIFORNIA MA, PhD
Andre Singer (Oxford 76) cultural ecology, SW & Central Asia

SOUTHERN ILLINOIS U Carbondale MA PhD
Jonathan D Hill (Indiana 83) ecology, lowland S America

SOUTHERN METHODIST U MA PhD
Ben J. Wallace (Wisconsin 67) ecological anthropology, SE & S Asia, Latin America

U SOUTHERN MISSISSIPPI MA
Jeffrey Kaufmann (Wisconsin 2001) cultural ecology, Madagascar, Africa

STANFORD U AM, PhD Cultural and Social Anthropology
Akhil Gupta (Stanford 88) ecology, applied anthropology, S Asia
SYRACUSE U MA, PhD

A. Peter Castro (UC Santa Barbara 88) ecology, forestry, natural resource conflicts, rural development, applied anthropology, E Africa

U TENNESSEE Knoxville MA, PhD

Benita J. Howell (Kentucky 78) environmental studies, applied anthropology, Appalachia, SE US

TEXAS A & M MA PhD

Michael Alvard (New Mexico 93) behavioral and evolutionary ecology, hunter-gatherers, Amazonia, Sulawesi, Indonesia

Norbert Dannhaeuser (UC Berkeley 73) cultural ecology, SE Asia, India, Germany

U TEXAS Austin MA PhD

Kaushik Ghosh (Princeton 2003) political ecology, India, Bangladesh

U TORONTO MA, Msc, PhD

Sandra Bamford (Virginia 97) environmentalism, globalization, Meanesia

Hilary Cunningham (Yale 92) political ecology, N America

Richard B. Lee (UC Berkeley 65) ecology, hunter-gatherers, Africa

U TULSA MA

Garrick A. Bailey (Oregon 72) cultural ecology, N America

UNIVERSIDAD IBEROAMERICA MA, PhD

Alba Gonzalez Jacome (Iberoamerica 96) cultural ecology, Mexican
agricultural systems, Mesoamerica

U COLLEGE LONDON Msc Social Anthropology

Phillip Burnham (UCLA 72) cultural ecology, W Africa

Caroline Garaway (London 99) human ecology, natural resource management, aquatic resource systems, Lao PDR

Ruth Mace (Oxford 87) human ecology, pastoralist systems, optimality modeling

Barrie Sharpe (London 83) political economy of forest resources, W Africa

U UTAH MA, MS, PhD

Elizabeth Cashdan (New Mexico 79) behavioral ecology, hunter-gatherers, sub-Saharan Africa

Kristen Hawkes (Washington 76) evolutionary ecology, hunter-gatherers

VANDERBILT U MA, PhD

Norbert Ross (Freiburg 98), environmental anthropology, folk biology, environmental behavior, Mayans, Native Americans in USA, Amish

WASHINGTON U MA, PhD

Glenn D. Stone (Arizona 88) political ecology, agrarian societies, sub-Saharan Africa, India, US SW

U WASHINGTON MA, PhD

Stevan Harrell (Stanford 74) ecological anthropology, China, Taiwan

Darryl J. Holman (Penn State 96) demography, human reproductive ecology, Bangladesh
Eugene S. Hunn (UC Berkeley 73) ethnobiology, traditional resource management, Native America, Plateau, Maya and Zapotec of Mexico, Alaskan Native subsistence

Donna L. Leonetti (Washington 76) evolutionary reproductive ecology, family ecology, Japanese Americans, NE India

Celia Lowe (Yale 99) critical environmental studies, Insular SE Asia, Indonesia, Sulawesi

Devon Pena (Texas 83) political ecology, agroecology, environmental justice, American SW, Mexico, US-Mexican border

Bettina Shell-Duncan (Pennsylvania 94) disease ecology, demography, E Africa

Kalyanakrishnan Sivaramakrishnan (Yale 96) environmental anthropology, agrarian studies, S Asia

Eric Smith (Cornell 80) ecology, hunter-gatherers, Inuit, Canadian Arctic, Australia

U WESTERN AUSTRALIA MA PhD

Gregory L. Acciaioli (Australian National 89) environmental anthropology, ethnoveterinary studies, Indonesia, Archipelagic SE Asia, Hong Kong

Richard Davis (Australian National 2000) Aboriginal and Torres Strait Islander land and marine tenure, resource use and human-environment relationships, Australia

Sandy Toussaint (Western Australia 95) environmental anthropology, Australia

WESTERN MICHIGAN MA

Sarah Hill (Johns Hopkins 2001) environmental politics, US-Mexican border

U WESTERN ONTARIO MA, PhD

Tracey Heatherington (Harvard 2000) resistance to ecodevelopment, environmentalism, Italy, Europe
WICHITA STATE U MA

Robert Lawless (New School 75) ecological anthropology, SE Asia, Caribbean, US

U WISCONSIN Madison MA, MS, PhD

Maria Lepowsky (UC Berkeley 81) human ecology, Oceania, New Guinea, California and the American West

Paul E. Nadasdy (Johns Hopkins 2000) political ecology, hunter-gatherers, Arctic, Subarctic

Neil L. Whitehead (Oxford 84) ecology, lowland S America, Guianas, Amazon, Caribbean

U WYOMING MA, PhD

Sarah Strauss (Pennsylvania 97) environment, Europe, India

YALE U MA, PhD

Enrique Mayer (Cornell 74) ecological anthropology, agrarian societies, Andes, Latin America

YORK U MA, PhD

Shubhra Gururani (Syracuse 96) political ecology, environmental historiography, social forestry, construction of space, S Asia

*This inventory is arranged in alphabetical order by university and indicates cultural anthropologists who identify a specialization in some aspect of ecology and are full-time faculty in universities offering graduate degrees. The list does not include joint-appointment, part-time, adjunct, affiliate, and emeritus faculty nor anthropologists in other departments, schools, and institutes. Ecological interests of faculty in the subfields of archaeology and physical or biological anthropology are not included here for expediency, but they can be searched in the print or online versions of the AAA Guide. See the AAA Guide for more details on each department. The data below were
extracted from the printed version of the 2003-2004 AAA Guide. AAA members may also access the Guide online and search by individual, institution, interests, geographical area, and so on at http://www.aaanet.org.
APPENDIX 6 SAMPLE OF COURSES OFFERED*

University of Arizona (Ecological and Environmental Graduate Concentration)
http://w3.arizona.edu/anthro/
Ecological Anthropology
Human Adaptability
Human Population Ecology
Risk and Society
Ecology and Evolutionary Biology
Hunter-Gatherer Ecology
Ecology, Complexity and Social Theory
Political Ecology
Ethnobotany
Applied Environmental Anthropology

University of California at Davis
http://www.anthro.ucdavis.edu
Human Ecology
Cultural Ecology
Political Ecology
Cultural Politics of the Environment
Behavioral Ecology and Anthropology
Human Nature and Public Policy
Indigenous Peoples and Natural Resource Conservation
Advanced Topics in Cultural Ecology

University of California at Riverside (Ecological Anthropology and Ethnobiology Program)
http://www.anthropology.ucr.edu
Cultural Ecology
Seminar in Ecological Anthropology
Seminar in Political Ecology
Anthropology of Resource Management
Ethnobiology
Ethnobotany
People, Plants, and Animals
Hunters and Gatherers
People and the Environment in Latin America
Agriculture and Rural Society in Mexico: Past and Present
Geographical Information Systems Software for Anthropology
Human Evolutionary Ecology

University of California at Santa Barbara
http://www.anth.ucsb.edu

Ecological anthropology
Third World Environments
People, Poverty, and Environment in Central America
Small-Scale Food Production
Agricultural Anthropology
Agriculture, Environment, and Society
Agriculture and Society in Mexico, Past and Present
Biotechnology, Food, and Agriculture
Human and Evolutionary Ecology Approaches in Ethnography
Seminar in Human Evolutionary Ecology

University of Colorado
http://www.colorado.edu

Human Ecology: Archaeological Aspects
Human Ecology: Biological Aspects
Human Ecology: Cultural Aspects
Maritime People: Fisheries and Seafarers
Anthropology of Fishing
Nomadic Peoples of East Africa

University of Florida (Ecological Anthropology Program)
http://www.anthro.ufl.edu

Environment and Cultural Behavior
Anthropology, GIS, and Human Ecosystems
Research Methods in Tropical Conservation and Development
Ethnobotany

University of Georgia (departmental focus on ecological and environmental anthropology)
http://anthro.dac.uga.edu

Human Adaptation
Cultural Ecology
Foundations of Ecological Anthropology
Seminar in Ecological Anthropology
Sociopolitical Ecology
Human Population Ecology
Agricultural Anthropology
Agroecology of Tropical America
Tropical Ecological and Cultural Systems
Comparative Human Ecological Systems
Human Ecosystem Evolution
Mountain Anthropology
Ethnobotany
Maritime Anthropology
Topics in Coastal Marine Policy
Ecology of Food, Diet, and Nutrition
Ecology and Evolution of Human Disease
Ecology of Health Research
Principles of Conservation and Sustainable Development
Parks and Ecotourism Management
Primate and Human Ecology
Field Methods in Ecological Anthropology
Field Studies in Natural Resources

University of Hawai`i (Ecological Anthropology Program, Natural Resources and Conflict Resolution Concentration, Spiritual Ecology Concentration)
http://www.anthropology.hawaii.edu

Ecological Anthropology
Human Adaptation to the Sea
Human Adaptation to Forests
Spiritual Ecology
Sacred Places
Human Ecology
Field Study of Population
Research Seminar
Directed Research

Indiana University (Anthropological Center for Training and Research on Global Environmental Change)
http://www.indiana.edu/anthro/home.html

Human Adaptation
Cultural Ecology
Seminar in Cultural Ecology
Environmental Anthropology
Biodiversity and Biocomplexity Seminar
The Human Footprint: The Study of Land Use Change
Human Ecology from Space: Introduction to Remote Sensing
Ethnozoology: American Indian Subsistence
Anthropological Approaches to Interactions Between People and Animals
University of Kent (Ethnobotany Programme)
http://www.kent.ac.uk/anthropology/

Human Ecology
Environmental Anthropology
Ethnobiological Knowledge Systems
People and Plants
Practical Methods in Conservation Social Science

University of Kentucky (Concentrations in Ecology and Economy, and in Development Anthropology)
http://www.uky.edu/as/anthropology

Seminar in Ecological Anthropology
Seminar in Economic Anthropology
Ecology and Social Practice
Food, Culture and Society
Food and Related Behaviors
Food and Food Security in a Changing World
Seminar in Cultural Change
Culture, Environment, and Development
Sociocultural Dimensions of Economic Development
Science, Agriculture, and Development
Farming Systems Research Methods
Development and Change in the Third World
Applied Anthropology

University of New Mexico (Human Evolutionary Ecology Program)
http://www.unm.edu/~anthro

Humans in Nature
Cultural Ecology
Human Behavioral Ecology
Human Evolutionary Ecology
Advanced Human Evolutionary Ecology
Human Evolutionary Ecology Methods and Design
Behavioral Ecology and Biology of Sex Roles
Human Reproductive Ecology
Tropical Conservation and South American Indians
University of North Carolina at Chapel Hill (Working Group on Culture Change, Environment and Health)
http://www.unc.edu/depts/anthro/

Habitat and Humanity
Ecological Anthropology
Human Evolution and Adaptation
Evolution and Ecology
Evolutionary Perspectives on Human Adaptation
Seminar in Human Evolutionary Ecology
Population Anthropology
Seminar in Cultural Ecology and Population
Historical Ecology
Seminar in Ethnobotany
Art, Myth, and Nature: Cross-Cultural Perspectives
Religion, Nature, and Environment
Environmentalism
Environmental Consciousness and Action
Anthropology of Space and Power
The Gardens, Shrines, and Temples of Japan
Environmental Anthropology

Rutgers University (Environmental Anthropology Program)
http://anthro.rutgers.edu

Ecological Anthropology
Seminar in Ecological Anthropology
Human Ecology and Modern Problems
Problems in Human Ecology
Maritime Anthropology
Explanation in Anthropology and Human Ecology
The Built Environment

University of Washington (Environmental Anthropology Program)

Introduction to Environmental Anthropology
Environmental Anthropology
Ecological Anthropology
Culture, Ecology, and Politics
Ethnobiology: Plants, Animals, and People
Agroecology
Human Nature and Culture
Hunter-Gatherer Societies
Environmental Impact of Small Scale Societies
Human Behavioral Ecology
Culture, Environment, and Identity of Island Southeast Asia
Sociocultural Ecology and Health
*This list of courses in cultural anthropology was extracted from information available on department and/or university web sites in April 2004. However, the list for each department and for this sample of departments as a whole is representative rather than comprehensive. Here the courses are not listed in the numerical sequence given in the web sites and they are not distinguished by undergraduate or graduate level. Instead, the courses have been arranged in a logical sequence for the purpose of reflecting the content of the ecological anthropology curriculum as a whole. For more specific and current information the interested reader should explore the particular university and department web site on their own through a search under key words like courses, catalog, course catalog, classes, class schedule, and/or anthropology using a search engine such as http://www.google.com. The same applies for ecology courses in subfields other than cultural anthropology and in cognate disciplines like ecology or geography which would considerably expand the above list.

NOTE:

A wealth of complementary information is available on the AAA Anthropology and Environment Section web site which can be reached at:


The A&E web site includes information for subscribing to the Ecological and Environmental Anthropology listserv based at the University of Georgia.