

**CONTEMPORARY ECOLOGICAL ANTHROPOLOGY:
A SURVEY, ANALYSIS, AND COMMENTARY ON ITS
ACADEMIC CHARACTERISTICS AND RESOURCES**

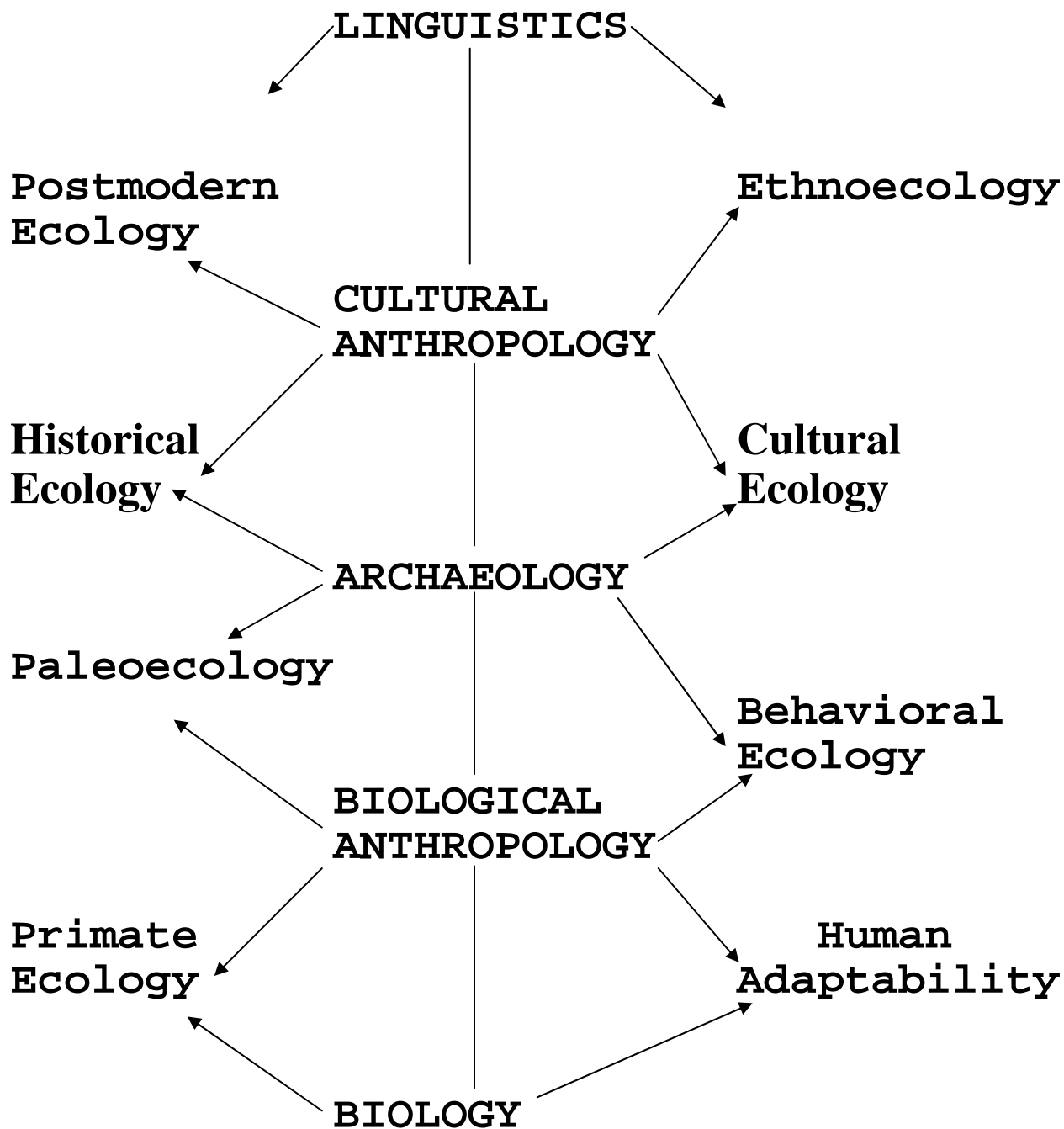
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INTRODUCTION

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).

FIGURE 1.



Approaches within Ecological Anthropology

(Among others not diagrammed are political ecology, spiritual

ecology, and environmental anthropology).

TABLE 1. DOMAINS WITHIN ECOLOGICAL ANTHROPOLOGY*

ecology	714
environment	277
cultural ecology	169
adaptation	106
human ecology	96
ethnobotany	94
geoarchaeology	69
paleoecology	68
ecological anthropology	50
behavioral ecology	50
political ecology	45
evolutionary ecology	37
environmental anthropology	22
environmental archaeology	20
ethnobiology	19
primate behavior and ecology	19
paleoenvironment	15
primate ecology	14
historical ecology	11
human adaptability	11
ethnoecology	9
biodiversity	7
ethnozoology	5
ethnoprimateology	2
spiritual ecology	1

*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

Australian National 3
 Brown 3
 UC Santa Barbara 3
 Johns Hopkins 3
 Texas 3
 London 3

 UC Davis 2
 Colorado Boulder 2
 CUNY 2
 Georgia 2
 Hawaii 2
 Illinois 2
 Kentucky 2
 Michigan State 2
 New York 2
 Northwestern 2
 Oslo 2
 Pittsburgh 2
 Rutgers 2
 Toronto 2
 Utah 2
 Western Australia 2

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)

2002 XXXX
2001 XXXXXX
2000 XXXXXXXX

1999 XXXXXXXXXXXX (61 in the 1990s)
1998 XXXXX
1997 XXXXXXXXXXXX
1996 XXXXXXXX
1995 XXXX
1994 XXXXX
1993 XXXXX
1992 XXXXX
1991 XXXX
1990 XXXXXXXX

1989 XXXXXXXX (57 in the 1980s)
1988 XXXXXXX
1987 XXXXX
1986 XXXXXXX
1985 XXXX
1984 XXXX
1983 XXXXXXXXXXXX
1982 XXX
1981 XXXXXXXXXXXX
1980 XXXX

1979 XXX (61 in the 1970s)
1978 XXXXX
1977 XXXXXXXX
1976 XXXXXXXXXXXX
1975 XXXXXXX
1974 XXXXXXXXXXXX
1973 XXXXXXXX
1972 XXXXXXXXXXXX
1971 XXX
1970 XXX

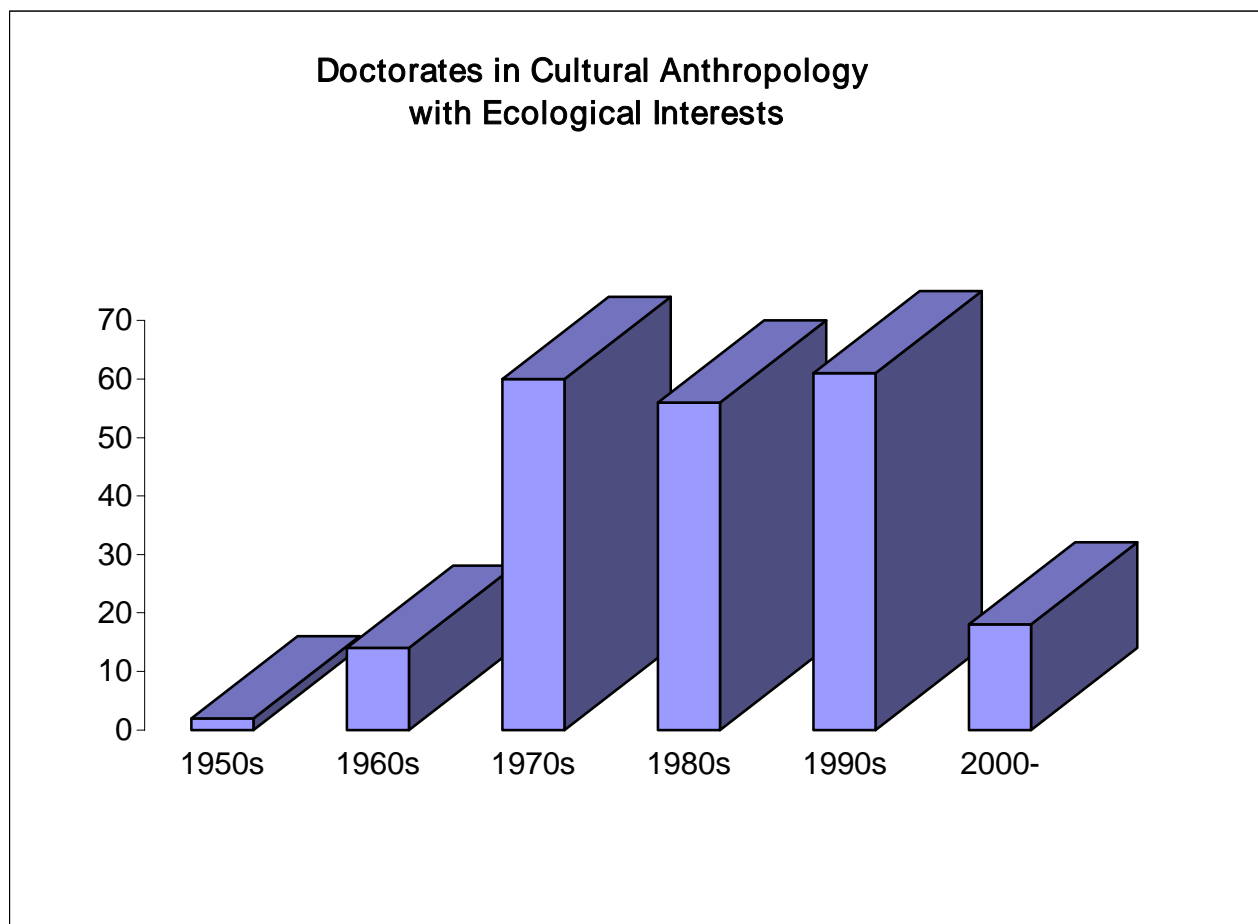
1969 XX (14 in the 1960s)
1968 XXXXXXX
1967 XX
1966
1965 XX
1964 X
1963
1962
1961
1960 X

1959 X (2 in the 1950s)
1958
1957
1956

1955 X
1954
1953
1952
1951
1950

*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***

Washington 9

Georgia 7

Indiana 5

Michigan 5

Oslo 5

Alberta 4

UC Davis 4

UC Santa Barbara 4

Colorado 4

Florida 4

College London 4?

CIIS 3

UC Riverside 3

Conn 3

Florida International 3

Kent 3

Kentucky 3

McGill 3

Nebraska 3

New Mexico 3

North Carolina Chapel Hill 3

Simon Fraser 3

Toronto 3

W Australia 3

Wisconsin 3

*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*

AFRICA	XXXXXXXXXXXXXXXXXXXXX
Sub-saharan	XXXXX
Sahel	X
Ethiopia	X
East	XXXXXX
Kenya	X
Zambia	X
South	XX
West	XXXX
Nigeria	X
Madagascar	XXX
AMERICAS	
Circumpolar	XXX
North Atlantic	XXXX
Greenland	X
Iceland	X
Lapland	X
Arctic	XXXX
Subarctic	XXXX
North	XXXXXXXXXXXXX
Canada	XXX
Quebec	X
USA	XXXXXXXXXXXXXXXXXXXXX
Alabama	X
Alaska	XXXX
California	X
Colorado	X
Florida	X
NW Coast	XXXX
Great Basin	X
Plateau	X
West	X
Chesapeale Bay	X
Southeast	XX
Southwest	XXXXX
Appalachia	XX
American South	X
Mexico	XXXXXXXXXXXXXXXXXXXXX
Caribbean	XXXXXXXXXXXXX

Haiti	x
Central America	xxxxxxx
Mesoamerica	xxxxxxx
Belize	x
Latin America	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
South America	xxxxxxx
Bolivia	x
Ecuador	xxxx
Peru	xxx
Lowland S Am	xxxxx
Guianas	x
Amazon	xxxxxxxxxxxx
Brazil	xxxxxxx
Paraguay	x
Venezuela	x
Andes	xxxxxxxxx

ASIA	
Central	xxxxxxx
East	xxx
China	xxxx
Hong Kong	x
Japan	xx
Okinawa	x
Mongolia	x
Taiwan	xxx
South	xxxxxxxxxxxx
Bangladesh	xxx
India	xxxxxxxxx
Pakistan	x
Nepal	xxxx
Southeast	xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Borneo	x
Indonesia	xxxxxxxxx
East Timor	x
Laos	x
Malaysia	x
Philippines	xxx
Thailand	xx
Southwest	xx
Near East	x
Middle East	xxxxxxx

EUROPE	xxxxxxx
France	x
Gwemany	x
Ireland	x
Italy	x
Norway	xx
Russia	x
Scandinavia	x
Scotland	x

Spain	xx
UK	x
former USSR	x
OCEANIA	xxxxxxxxxx
Australia	xxxxx
New Zealand	x
Melanesia	xxxxxxxxxx
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.

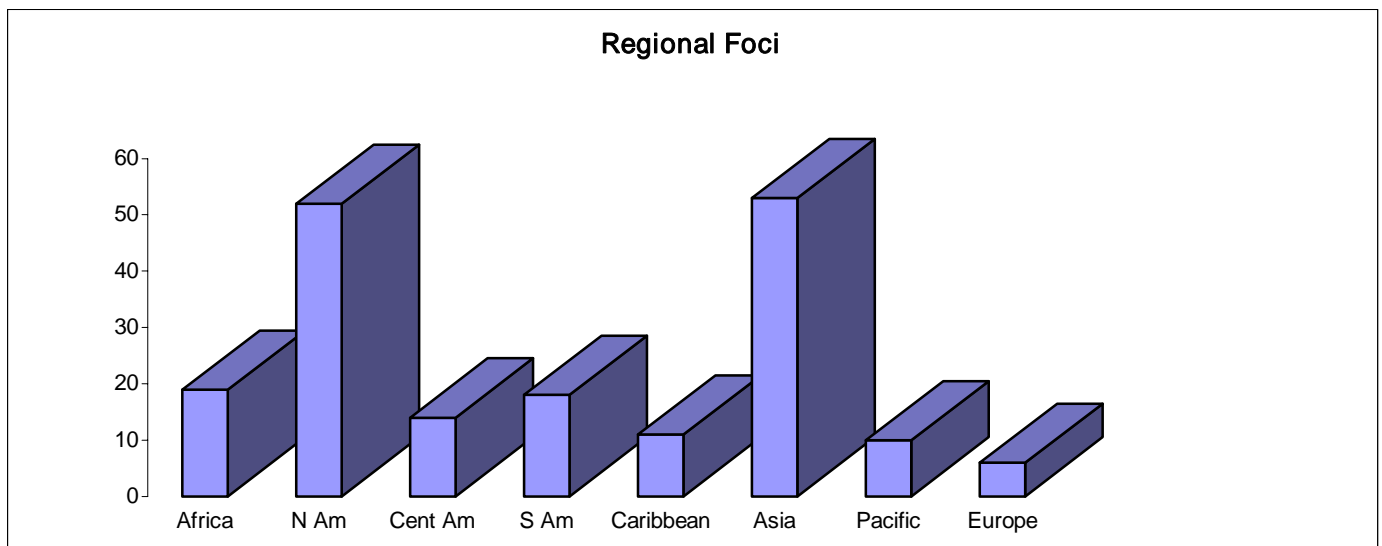


FIGURE 4.

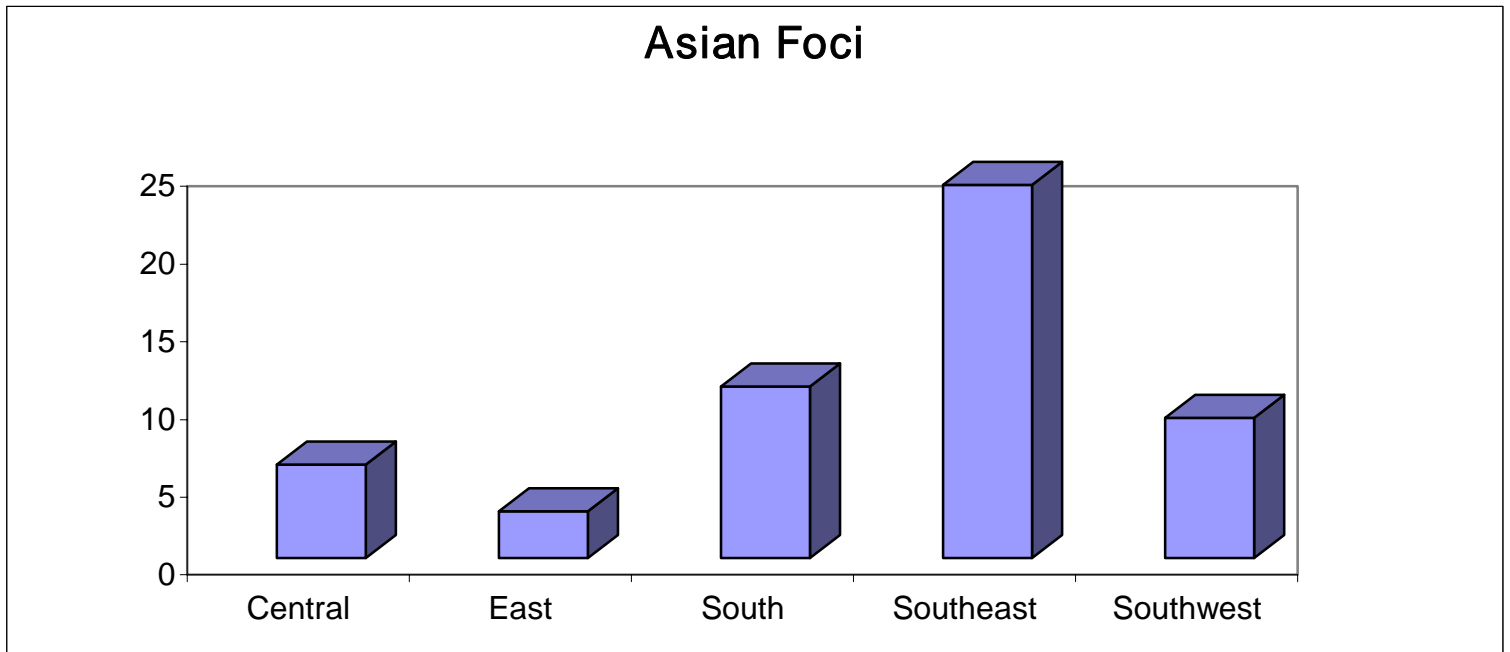
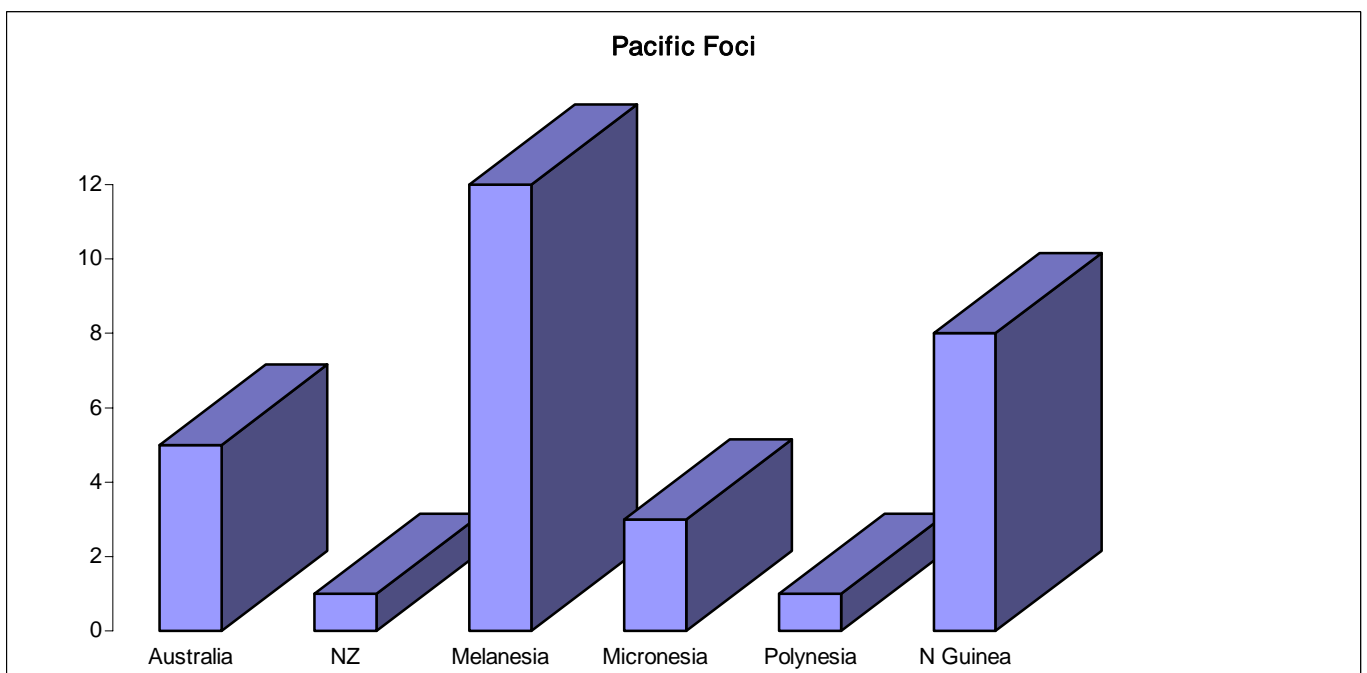


FIGURE 5.



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, festschrifts, 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@hawiaai.edu). Readers should check individual department web sites for the most current information.

SELECTED REFERENCES (beyond those cited elsewhere in this study)

Balee, William, 1996, "Anthropology," in *Greening the College Curriculum: A Guide to Environmental Teaching in the Liberal Arts*, Jonathan Collett and Stephen Karakashian, eds., Washington, D.C.: Island Press, pp. 24-49.

Biersack, Aletta, 1999, "Introduction: From the "New Ecology" to the New Ecologies," *American Anthropologist* 101(1):5-18.

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**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.
- 1938 Julian H. Steward (1902-72) publishes classic ethnographic and cultural ecology field study *Basin-Plateau Aboriginal Socio-political Groups*, Washington, D.C.: Bureau of American Ethnology Bulletin No. 120.
- 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 Eugene P. Odum (1913-2002), the "father of modern ecology," publishes *Fundamentals of Ecology*, Philadelphia, PA: Saunders, the classic textbook on biological ecology which endured for a decade without any competitors.
- 1953 Marston Bates (1906-1974) publishes historic review "Human Ecology" in *Anthropology Today*, Alfred L. Kroeber, ed., Chicago, IL: University of Chicago Press, pp. 700-713. (See Table for successive status reviews).

- 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.
- 1955 Julian H. Steward publishes collection of essays *Theory of Culture Change: The Methodology of Multilinear Evolution*, Urbana, IL: University of Illinois Press, with classic outline of cultural ecology. (See Clemmer et al., 1999, Kern 2003, Manners 1964, J.C. Steward and R.F. Murphy 1977, Sponsel 1997a).
- 1958 Fredrik Barth publishes "Ecological Relationships of Ethnic Groups in Swat, North Pakistan," *American Anthropologist* 58:107-189, a pioneering application of the ecological principles from biology of niche, symbiosis, and competitive exclusion.
- 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).
- 1963 Clifford Geertz publishes *Agricultural Involution*, Berkeley, CA: University of California Press, a pioneering work in the historical ecology of a colonial system.
- 1964 Festschrift edited by Robert Manners, *Process and Pattern in Culture: Essays in Honor of Julian Steward*, Chicago, IL: University of Chicago Press.
- 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 Lambek 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.
- 1976 Andrew P. Vayda and Roy A. Rappaport publish "Ecology: cultural and non-cultural," in *Introduction to Cultural Anthropology*, James A. Clifton, ed., Boston, MA: Houghton Mifflin Co., pp. 477-497, which critiques Steward's cultural ecology and launches ecological anthropology as a new approach.
- 1976 John W. Bennett, 1976, publishes a collection of his mostly theoretical essays, *The Ecological Transition: Cultural Anthropology and Human Adaptation*, New York, NY: Pergamon Press, and develops the pivotal concept of the ecological transition foreshadowing historical ecology.
- 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).
- 1979 Emilio F Moran publishes *Human Adaptability: An Introduction to Ecological Anthropology*, Boulder, CO: Westview Press, the first textbook on ecological anthropology aimed at an integration and synthesis of biological and cultural aspects of human-environment interactions within a biome framework.
- 1981 Leslie E. Sponsel hired to development the Ecological Anthropology Program at the University of Hawai`i
- 1982 Roy F. Ellen publishes *Environment, Subsistence and System: The Ecology of Small-Scale Social Formations*, New York, NY: Cambridge University Press, which remains

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

- 1987 Leslie E. Sponsel publishes "Cultural Ecology and Environmental Education" *Journal of Environmental Education* 19(1):31-42, the first inventory of teaching approaches and resources for the subject (cf. Balee 1996).
- 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*.
- 1995 David Kinsley publishes *Ecology and Religion: Ecological Spirituality in Cross-Cultural Perspective*, Englewood Cliffs, NJ: Prentice-Hall, the first textbook on spiritual ecology (see Sponsel 2001).
- 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
- 1998 William Balee edits *Advances in Historical Ecology*, New York, NY: Columbia University Press, a benchmark set of essays on this relatively new approach.
- 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).
- 2000 Patricia K. Townsend publishes *Environmental Anthropology: From Pigs to Policies*, Prospect Heights, IL: Waveland Press, emphasizing applied aspects of ecological anthropology (cf. Moran 1996).
- 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.

2003 Helaine Selin edits *Nature Across Cultures: Views of Nature and the Environment in Non-Western Cultures*, Boston, MA: Kluwer Academic Publishers, a benchmark inventory on the subject.

*Data extracted from obituaries in the *American Anthropologist* and the *AAA Anthropology News*; entries in Vered Amit, ed., 2004, *Biographical Dictionary of Social and Cultural Anthropology*, New York, NY: Routledge; entries in Thomas Barfield, ed., 1997, *The Dictionary of Anthropology*, Malden, MA: Blackwell Publishers, Inc.; entries in Alan Barnard and Jonathan Spencer, eds., 1996, *Encyclopedia of Social and Cultural Anthropology*, New York, NY: Routledge; and intellectual autobiographies by Harris, Rappaport, and Vayda in Robert Borofsky, ed., 1994, *Assessing Cultural Anthropology*, New York, NY: McGraw-Hill, Inc. Also see relevant sections of H. Sidky, 2004, *Perspectives on Culture: A Critical Introduction to Theory in Cultural Anthropology*, Upper Saddle River, NJ: Pearson/Prentice Hall.

APPENDIX 2. STATUS REVIEWS

1953 Marston Bates, "Human Ecology," in *Anthropology Today*, Alfred L. Kroeber, ed., Chicago, IL: University of Chicago Press, pp. 700-713.

1962, June Helm, "The Ecological Approach in Anthropology," *American Journal of Sociology* 17:630-639.

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1975, Andrew P. Vayda and Bonnie J. McCay, "New Directions in Ecology and Ecological Anthropology," *Annual Review of Anthropology* 4:293-306.

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APPENDIX 3. FESTSCHRIFTSJulian H. Steward

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Manners, Robert A., ed., 1964, *Process and Pattern in Culture: Essays in Honor of Julian Steward*, Chicago, IL: Aldine Publishing Co.

Roy A. Rappaport

Messer, Ellen, and Michael Lambek, eds., 2001, *Ecology and the Sacred: Engaging the Anthropology of Roy A. Rappaport*, Ann Arbor, MI: University of Michigan Press.

Marvin Harris

Murphy, Martin F., and Maxine L. Margolis, eds., 1995, *Science, Materialism, and the Study of Culture*, Gainesville, FL: University of Florida Press.

John W. Bennett

Smith, Sheldon, and E. Reeves, eds., 1989, *Human Systems Ecology: Studies in the Integration of Political Economy, Adaptation, and Socionatural Regions*, Boulder, CO: Westview Press.

APPENDIX 4. TEXTBOOKS

1969, Andrew P. Vayda, ed., *Environment and Cultural Behavior*, Garden City, NY: Natural History Press.

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1977, Donald L. Hardesty, *Ecological Anthropology*, New York, NY: John Willey and Sons.

1977/1996, Robert M. Netting, *Cultural Ecology*, Prospect Heights, IL: Waveland.

1979/1993, Roberto A. Frisancho, *Human Adaptation and Accommodation*, Ann Arbor, Michigan Press.

1979/2000, Emilio F. Moran, *Human Adaptability: An Introduction to Ecological Anthropology*, Boulder, CO: Westview Press.

1980, Gary Klee, ed., *World Systems of Traditional Resource Management*, New York, NY: John Wiley and Co.

1981, Michael A. Jochim, *Strategies for Survival: Cultural Behavior in an Ecological Context*, New York, NY: Academic Press.

1982, Roy F. Ellen, *Environment, Subsistence and System: The Ecology of Small-Scale Social Formations*, New York, NY: Cambridge University Press.

1982/1995, Bernard Campbell, *Human Ecology: The story of our place in nature from prehistory to the present*, New York, NY: Aldine Publishing Co.

1985, Alison Richard, *Primates in Nature*, San Francisco, CA: W.H. Freeman.

1991, Daniel G. Bates, and Fred Plog, *Human Adaptive Strategies*, New York, NY: McGraw-Hill.

1992, Eric Alden Smith, and Bruce Winterhalder, eds., *Evolutionary Ecology and Human Behavior*. New York, NY: Aldine de Gruyter.

1993, Kay Milton, ed., *Environmentalism: The View from Anthropology*, New York, NY: Routledge.

1996, Daniel G. Bates, and Susan H. Lees, eds., *Case Studies in Human Ecology*, New York, NY: Plenum Press.

1996, Kay Milton, *Environmentalism and Culture Theory: Exploring the Role of Anthropology in Environmental Discourse*, New York, NY: Routledge.

1998, Alan H. Goodman and Thomas L. Leatherman, eds., *Building a New Biocultural Synthesis: Political-Economic Perspectives on Human Biology*, Ann Arbor, MI: University of Michigan Press.

1998, Edward J. Kormondy, and Daniel E. Brown, *Fundamentals of Human Ecology*, Upper Saddle River, NJ: Prentice-Hall.

1999, Charles L. Redman, *Human Impact on Ancient Environments*, Tucson, AZ: University of Arizona Press.

2000, Stephen Molnar, and Iva M. Molnar, *Environmental Change and Human Survival: Some Dimensions of Human Ecology*, Upper Saddle River, NJ: Prentice Hall.

2000, Karen B. Stier, *Primate Behavioral Ecology*, Boston, MA: Allyn and Bacon.

2000, Patricia K. Townsend, *Environmental Anthropology: From Pigs to Policies*, Prospect Heights, IL: Waveland Press.

2001, Carole Crumley, ed., *New Directions in Anthropology and Environment: Intersections*, Thousand Oaks, CA: AltaMira Press.

2001, Daniel G. Bates, *Human Adaptive Strategies: Ecology, Culture and Politics*, Boston, MA: Allyn and Bacon.

2003, Gerald G. Marten, *Human Ecology: Basic Concepts for Sustainable Development*, Sterling, VA: Earthscan Publications.

2004, Mark Q. Sutton and E.N. Anderson, *Human Ecology: Basic Concepts for Sustainable Development*, Thousand Oaks, CA: AltaMira Press.

**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 (Stanford 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, Sub-Saharan 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 Putsche (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

Bram T. Tucker (North Carolina Chapel Hill 2001) human ecology, behavioral ecology, subsistence strategies, hunter-gatherers, Madagascar, Africa

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 (Oslo 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 Scaglione (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 TENNESSEEE 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, Meleanesia

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)
<http://http://www.anthro.washington.edu>

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

Biological Adaptability of Human Populations
Topics in Ecology and Adaptation
Human Population Biology
Research Issues in Demography and Population Studies

*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:

<http://www.aaanet.org>.

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