

**DRAFT CURRICULUM AND CREDIT FRAMEWORK FOR
UNDERGRADUATE PROGRAMMES**

**Syllabus for the
Department of Anthropology
Nagaland University**

MAJOR COURSES [CORE PAPERS]

PAPER CODE	COURSE CODE	TITLE OF THE PAPER	TOTAL CREDIT
FIRST SEMESTER			
C-1	ANT/H/C-1 (T)	Introduction of Anthropology	4
	ANT/H/C-2 (T)	Biological Anthropology – [3 CREDIT]	
C-2	ANT/H/C-2 (P)	Biological Anthropology Practical –[1 CREDIT]	4
SECOND SEMESTER			
C-3	ANT/H/C-3 (T)	Prehistoric Archaeology-I [3 CREDIT]	4
	ANT/H/C-3 (P)	Practical- Prehistoric Archaeology [1 CREDIT]	
C-4	ANT/H/C-4 (T)	Social and Cultural Anthropology [3 CREDIT]	4
	ANT/H/C-4 (P)	Practical- Social and Cultural Anthropology [1 CREDIT]	
THIRD SEMESTER			
C-5	ANT/H/C-5	Anthropology of Northeast India	4
C-6	ANT/H/C-6	Tribes In The Indian Context	4
FOURTH SEMESTER			
C-7	ANT/H/C-7	Introduction to palaeoanthropology	4
C-8	ANT/H/C-8	Prehistoric archaeology-II	4
FIFTH SEMESTER			
C-9	ANT/H/C-9	Theories In Anthropology	4
C-10	ANT/H/C-10	Anthropology of Religion	4
C-11	ANT/H/C-11	Studies on Simple Societies	4
SIXTH SEMESTER			
C-12	ANT/H/C-12	Anthropology of Human Rights	4
C-13	ANT/H/C-13	Human Growth and Development	4
C-14	ANT/H/C-14	Introduction to Human Genetics	4
C-15	ANT/H/C-15	Developmental Anthropology	4
SEVENTH SEMESTER			
C-16	ANT/H/C-16	Introduction to Human Population Genetics	4
C-17	ANT/H/C-17	Physiology and Anthropology	4
C-18	ANT/H/C-18	Introduction to Demography	
C-19	ANT/H/C-19	Research Methodology	4
EIGHTH SEMESTER			
C-20	ANT/H/C-20	Application of Anthropology	4
C-21	ANT/H/C-21	Anthropology of Sports	4
C-22	ANT/H/C-22	Anthropology of Gender	4
C-23	ANT/H/C-23	Ecology and Culture	4
Students opting for Honours with Research will undertake Dissertation in lieu of C-21,C-22,C-23			
DIST-1	ANT/H/DIST-1	DISSERTATION	12

SKILL ENHANCEMENT COURSES (3Credit Each)

Skill Enhancement Course (SEC)	Title of the paper	Credits	Proposed by
	Anthropology of Disaster Management	3	Anthropology To be offered in 3rd semester
	Anthropology of Tourism	3	Anthropology To be offered in 4th semester

The Skill Enhancement Courses (SEC) are to be selected and offered by the Department of Anthropology of the respective colleges. Students with Major in Mathematics may opt for any SEC paper from the common pool offered by the respective college. The colleges may select the SEC paper from the common pool made by the University.

INTERDISCIPLINARY COURSES MAY BE OPTED FROM THE DEPARTMENT OF ZOOLOGY, BOTANY, SOCIOLOGY, GEOGRAPHY

FIRST SEMESTER

ANT/H/C-1 (T): INTRODUCTION OF ANTHROPOLOGY

OBJECTIVE

This course introduces the students about the fundamentals of Anthropology and the major sub disciplines under the subject.

CONTENTS

UNIT I : Anthropology: Definition, aim and scope; History and development of anthropology in India: Phases of development – Formative, constructive and analytical; Major branches of Anthropology and their interrelationship; Relationship with other disciplines; Holistic approach: Environmental, Bio-cultural and Socio-cultural; Uniqueness of Anthropology;

UNIT II: Definition, aim and scope of biological anthropology; Relationship of biological anthropology with other major branches of anthropology; Relationship with other biological and social sciences; History and development of biological anthropology – Global and Indian perspectives. Contribution of some pioneering Anthropologists: E. Hooton, Jane Goodall, Mary Leakey, B. S. Guha, S. S. Sarkar, Irawati Karve, Amitabha Basu, B.M. Das.

UNIT III : Definition, aim and scope of social-cultural anthropology; Relationship of social-cultural anthropology with other major branches of anthropology; Relationship with other biological and social sciences; History and development of social-cultural anthropology – Global and Indian perspectives. W. H. R. Rivers, E. Durkheim, E. B. Tylor, L. H. Morgan, F. Boas, B. K. Malinowski, R. Redfield, S. C. Roy, K. P. Chattopadhyay, T. C. Das, N. K. Bose, D. N. Majumder, L. P. Vidyarthi, S. C. Sinha.

UNIT IV: Definition, aim and scope of prehistoric archaeology; Relationship of prehistoric archaeology with other major branches of anthropology; Relationship with other earth sciences; History and development of prehistoric archaeology – Global and Indian perspectives. Contribution of some Prehistoric archaeologists: V. Gordon, Childe, M. Wheeler, H. D. Sankhalia, Dharani Sen, Ashok K Ghosh, V.N. Mishra.

References:

Boaz NT and Almquist AJ 1997. *Biological Anthropology: A Synthetic Approach to Human Evolution*. New Jersey: Prentice Hall.

Ember Carol R, with Melvin Ember and Peter N Peregrine 2006. *Anthropology* 10th edition. Delhi: Pearson Education.

Jurmain R with H Nelson, L Kilgore and W Trevathan 1999. *Introduction to Physical Anthropology*. Belmont: Wadsworth.

Kottak C P, 2011. *Anthropology: Appreciating Human Diversity*. The McGraw Hills Co.

Relethford JH 2002. *The Human Species: An Introduction to Biological Anthropology* 5th edition. Boston: McGraw Hill.

Scupin R & DeCorse C R, 2012. *Anthropology: A Global Perspective*. USA: Pearson.

Stein P L & Rowe B M, 1989. *Physical Anthropology*. New York: McGraw Hill Book Co.

Cultural Anthropology and Other Essays. Nirmal Kumar Bose. (1953). Indian Associated Publishing Company: Calcutta.

Fagan, B.M. 1999. *Archaeology, A Brief Introduction*. Prentice Hall, New Jersey

Grant, Jim, Sam Gorin and Neil Fleming 2007. *The Archaeological Course Book*: Routledge, London and New York.

Greene, K. 2000. *Archaeology an Introduction*, Routledge.

ANT/H/C-2 (T): BIOLOGICAL ANTHROPOLOGY

OBJECTIVE

This course introduces the students with development and relevance as well as applications of biological anthropology and basic processes of human life constituting its elementary subject matter.

UNIT I : History of evolutionary thought;Origin of life theories: Abiogenesis,Oparin-Haldane Theory, Miller-Urey experiment, Panspermia, RNA World;Lamarckism, Darwinism, Neo-Darwinism,Neo-Lamarckism, Neutral theory of evolution. Speciation:Concept andfactors; Anagenesis, Cladogenesis.

UNIT II: Position of human in the animal kingdom. Primates: Definition, Characteristics, distribution; classification; Primate locomotion; Primate behaviour; Primate radiation. Significance of primatology in evolutionary studies. Comparative anatomy of living primates and *Homo sapiens*.

UNIT-III: Human Skeletal anatomy: Description and characteristics of human skeletal anatomy. Sexual dimorphism in human skeleton. Landmarks in human skeletal anatomy.Skeletal changes in *Homo Sapiens* due to erect posture and bipedalism. Hominoid fossils: Dryopithecine, Sivapithecine, Aegyptopithecus. Hominid fossils: Australopithecinae: Gracile and Robust variety, *Homo habilis*, *Homo erectus*, *Homo neanderthalensis*, Archaic *Homo sapiens* and anatomically modern *Homo sapiens*.

References:

Boaz NT and Almquist AJ 1997. Biological Anthropology: A Synthetic Approach to Human Evolution. New Jersey: Prentice Hall.

Ember Carol R, with Melvin Ember and Peter N Peregrine 2006. Anthropology 10th edition. Delhi: Pearson Education.

Jurmain R with H Nelson, L Kilgore and W Trevathan1999. Introduction to Physical Anthropology. Belmont: Wadsworth.

Relethford JH 2002. The Human Species: An Introduction to Biological Anthropology 5th edition. Boston: McGraw Hill.

Stein P L & Rowe B M, 1989. Physical Anthropology. New York: McGraw Hill Book Co.

ANT/H/C-2 (P): PRACTICAL- BIOLOGICAL ANTHROPOLOGY

Unit-I: Osteology, Craniometry and Osteometry

Osteology:

Drawing and labeling of the following with salient and identifying features:

Skull views: frontal, vertical, lateral, occipital and basal

Skull bones: Frontal, parietal, occipital, temporal, mandible, maxilla, malar

Post cranial bones: Clavicle, scapula, sternum, thoracic cage, atlas, axis, one each of cervical, thoracic and lumbar vertebrae, pelvic girdle, humerus, radius, ulna, pelvic girdle, femur, tibia, fibula, hand, foot.

Side identification of the paired bones

Craniometry:

Linear, arc and chord measurements of cranium and mandible measurements.

Osteometry: Linear and girth measurements of the following bones: Femur, Tibia, Humerus, Radius and Ulna

Unit-II: Palaeoanthropology

Draw and labeling of the following with salient features and phylogenetic position:

Specimen or Skull cap and femur of *Homo erectus*, skull cap of *Homo neanderthalensis*, *Cranium of Cro-magnon*, *Taung skull*.

Laboratory note book

Viva-voce

SECOND SEMESTER

ANT/H/C-3 (T) : PREHISTORIC ARCHAEOLOGY

This course introduces the students to development, branches and approaches, methods and techniques in prehistoric archaeology and gives basic understanding of archaeological anthropology.

CONTENTS

UNIT-I: Historical development of pre-historic archaeological anthropology; Scope of prehistoric archaeology, Branches of Archaeology. Dating methods: Relative and Absolute. Palaeoclimatology. Geological timetable.

UNIT-II: Excavation; Tool typologies and Tool technologies; Characteristics of Lower, Middle and Upper Paleolithic, Mesolithic and Neolithic cultures of Europe.

UNIT- III: Indian Prehistory: History of Indian prehistoric studies; Characteristics of the Paleolithic, Mesolithic and Neolithic culture in India; Proto-history of India: Indus valley civilization.

READINGS

- Agrawal, D.P. (1984) *The Archaeology of India*. New Delhi: Select Book Service Syndicate.
- Allchin, Bridget and Raymond. (1983) *The Rise of Civilization in India and Pakistan*. New Delhi: Select Book Service Syndicate.
- Bahn, Paul. (2006) *Archaeology: A Very Short Introduction*. New Delhi: Oxford University Press.
- Bhattacharya, D.K. (1999) *An Outline of Indian Prehistory*. Delhi: Palaka Prakashan.
- Binford, Lewis R. (1983) *In Pursuit of the Past: Decoding the archaeological Record*. New York: Thames and Hudson.
- Blame, Jane and Alistair Peterson (2006) *Archaeology in Practice: A Student Guide to Archaeological Analysis*. Oxford: Blackwell.
- Crabtree, Pam J., and Douglas V. Campana (2006) *Exploring Prehistory: How Archaeology Reveal our Past* (2nd Edition). Boston: McGraw Hill.
- Cunliffe, Barry, Chris Gosden and Rosemary A. Joyce (2009) *The Oxford Handbook of Archaeology*. Oxford: Oxford University Press.
- David, Nicholas and Carol Kramer (2001) *Ethnoarchaeology in Action*. Cambridge: Cambridge University Press.
- Ember, Carol R., Melvin Ember and Peter N. Peregrine (2008) *Anthropology* (12th Edition). Delhi: Pearson-Education.
- Fagan, Brian, M. (1991) *Archaeology: A Brief Introduction*. New York: Harper Collins Publishers.
- Fagan, Brian, M. (2005) *World Prehistory: A Brief Introduction*. New Jersey: Pearson- Prentice Hall.
- Feder, Kenneth L. (2007) *The Past in Perspective: An Introduction to Human Prehistory*. (4th Edition). Boston: McGraw Hill.
- Gamble, Clive (2003) *Archaeology: A Basics*. London: Routledge.
- Ghosh, A. (1989) *An Encyclopaedia of Indian Archaeology* (Vol. 1-2). New Delhi: Munshiram Manohar Publishers Pvt. Ltd.
- Gosden, Chris (2007) *Prehistory: A Very Short Introduction*. New Delhi: Oxford University Press.
- Grant, Jim, Sam Gorin and Neil Fleming (2008) *The Archaeology Course Book: An Introduction to Themes, Sites, Methods and Skills*. London: Routledge.
- Hurst, David Thomas (1999) *Archaeology: Down to Earth*. Belmont: Wadsworth Thomas Learning.

Rajan, K. (2002) *Archaeology: Principles and Methods*. Thanjavur: Manoo Pathipakkam.
Rami Reddy, V. (1987) *Elements of Prehistory*. New Delhi: Mittal Publications.
Sankalia, H.D. (1982) *Stone Age Tools: A Brief Introduction*. New Jersey: Pearson- Prentice Hall.
Setter, S. and Ravi Korisetter (2002) *Prehistory: Archaeology of South Asia*. Vol.1-4.Delhi: Manohar Publisher.
Sutton, Mark Q. and Robert M. (2008) *Archaeology: The Science of the Human Past* (3rd Edition). Boston: Pearson.

ANT/H/C-3 (P) : PRACTICAL- PREHISTORIC ARCHAEOLOGY

1. Diagrammatic representation, description and tool typology of: -
 - a. Lower Palaeolithic culture.
 - b. Middle Palaeolithic culture.
 - c. Upper Palaeolithic culture.
 - d. Mesolithic culture
 - e. Neolithic culture
2. Measurement of tools and calculation of indexes

ANT/H/C-4 (T): SOCIAL AND CULTURAL ANTHROPOLOGY

OBJECTIVE

This course introduces the students to the nature, scope, branches, development, basic concepts and applications of social/cultural anthropology as well as social/cultural institutions as a general component of its subject matter.

CONTENTS

UNIT I

Introduction and fundamental concepts: Aim, scope and historical development of social and cultural anthropology in India.
Relationship with other disciplines of Social Science, Applications of Social-Cultural Anthropology

UNIT II

Basic concepts: Society, Community, Association, Social structure, social organization, social institution, social groups, culture, components of culture, diffusion, acculturation, syncretism, multiculturalism

UNIT III

Family and Marriage: Definition, types and functions of family; Definition, types and rules of marriage, marriage payments;
Kinship: Definition of Kinship, Types and degrees of Kinship, Kinship terminologies, Kinship usage, Rules of descent.

READINGS

- Auge, M. (1998) *A Sense of the Other*; Cambridge: University Press.
- Auge, M. (1999) *An Anthropology for Contemporary Worlds*; Cambridge: University Press.
- Beatle, J. (1966) *Other Culture*, London: RKP.
- Ember, C.R. and M. Ember (1981) *Cultural Anthropology*, New Jersey: Prentice Hall.
- Fox, R. (1967) *Kinship and Marriage: An Anthropological Perspective*; Harmondsworth: Penguin Books.
- Gough, K. (1959) 'Nayars and the definition of Marriage', in *Journal of Royal Anthropological Institute*: 89:23-24
- Keesing, Felix (1958) *Cultural Anthropology*, New York: Rinehart.
- Kuper, A. (1988) *Culture: The Invention of Primitive Society: Transformation of an Illusion*. London: Routledge.
- Kuper, A. (1999) *Culture: The Anthropologist's Account*. London: Harvard University Press.
- Leach, E.R (1986) *Social Anthropology*. Glasgow: Fontana Press.
- Leach, E.R (1961) *Rethinking Anthropology*. London: Athlone Press.
- Lewis, I.M. (1990) *Social Anthropology in Perspective*. Cambridge: University Press.
- Parkin, R. And L.Stone (2004) *Kinship and Family: An Anthropological Reader*; Oxford: Blackwell Publishers.
- Rapport, Nigel and J. Overing (2000) *Social and Cultural Anthropology: The Key Concepts*. London: Routledge.
- Schneider, D. And K. Gough (1961) *Matrilineal Kinship*. Berkeley: University of California Press.
- Uberoi, P. (Ed.) (1993) *Family, Kinship and Marriage in India*. Delhi: OUP. Publishers.
- Williams, R. (1990) *Cultural Anthropology*. New Jersey: Prentice Hall.

ANT/H/C-4 (P): PRACTICAL- SOCIAL AND CULTURAL ANTHROPOLOGY

1. **Collection, Identification, drawing and description** of different objects of materials culture used by the various indigenous communities. **(5 +5+ 5=15 Marks)**

N.B. The above materials shall be collected through very short field-work in the adjacent areas, further candidates are instructed to identify, draw and describe the objects already existed in the ethnographic laboratory.

2. **Laboratory Note book and Viva-voce: (5 Marks)**

Reading List:

Basu M.N 1975. *A Study of Material Culture*, Calcutta

THIRD SEMESTER

ANT/H/C-5: ANTHROPOLOGY OF NORTHEAST INDIA

This course introduces the students to origin to growth of anthropology in Northeast India in general and its branches like physical anthropology, socio-cultural anthropology and prehistory in particular.

CONTENTS

UNIT- I: Growth of social and cultural anthropology in Northeast India: Pre-independence and post-independence scenario, people of Northeast India.

UNIT- II: Major areas of anthropological research: Kinship studies, Christianity and change, ethnicity and identity, social change and continuity.

UNIT- III: Growth of physical anthropology in Northeast India: Pre-Independence and post- Independence scenario. Major trends in physical anthropology research in Northeast India:

UNIT- IV: Major prehistoric researches: Garo hills, North Cachar hills, Manipur .

READINGS

Burling, Robbins .1999. *Rengsangiri: Family and kinship in a Garo Village*. Tura: Books.

Das, B.M. 1981. *Microevolution*. New Delhi: concept publishing Co.

Das, B.M. ed. 1974. *Contemporary Anthropology Research in North East India*. Dibrugarh: University publications.

Das F.A. and I. Barua. 1996. *Communities in North East India*. New Delhi: Mittal publications.

Elwin, V.1959. *A philosophy for NEFA*. Shillong: Govt. Printing.

Goswami, M.C. and P.B.Das. 1990. *The people of Arunachal Pradesh: A physical Survey*. Itanagar: Govt. Of Arunachal Pradesh.

Hodson, T.C. 1989. *The Naga Tribes of Manipur*. Delhi: price publication.

Khongsdier, R. 2000. *Contemporary Research in Anthropology*. New Delhi: Commonwealth Publishers.

Lyall, S.C. 1908. *The Garos*. London: David Nutt.

- Medhi, Dilip K.(ed), 1993. *Man and Environment in Northeast India, Vol. I*. Guwahati & Delhi: Omson publication.
- Misra, U. 1988. *North East India: Quest for identity*. Guwahati: Omsons publications.
- Nakane, C.1979. *Garo and Khasi: A Comparative Study in Matrilineal system*. The Hague: Mouton.
- Playfair, A. 1909. *The Garo*. London: David Nutt.
- Raha, M.K. and A.K. Ghosh. 1998. *North-East India: The Human Interface*. New Delhi: Gyan pub. House.
- Sengupta, S.1997. *Studies in Anthropology: Recent Perspectives*. New Delhi: Inter- India.
- Singh. B.P. 1987. *The problem of Change: A study of Northeast India*. Delhi: OUP
- Subba, T.B. and G.C. Ghosh. 2003. *The Anthropology of India Northeast India*. New Delhi: Orient Longman.

ANT/H/C-6: TRIBES IN THE INDIAN CONTEXT

OBJECTIVE

This course introduces the students to conceptualization of tribe, classification of tribes and tribal issues, development and contemporary tribal situation in India.

CONTENTS

UNIT- I: Concept of Tribe: Theoretical, administrative issues; Distribution and Classification of Tribes: Racial, Geographical and Linguistic.

UNIT- II: Social structure and social organization of Indian Tribes: Concept of clan, lineage, phratry, moiety. Religious organization and concepts on Animism, Animatism, Naturism, Manaism, Shaman, Magic, Sorcery and Witchcraft.

UNIT –III: Tribal Development: Constitutional safeguards; Tribal developmental policies and programmes; Forest Policies and its implications.

UNIT- IV: Tribal Issues: Land Alienation, Indebtedness and Tribal Displacement; Tribal health care practices

READINGS

- Xaxa, Virginius 2008 *State Society and Tribes: Issues in Post-colonial India*. New Delhi: Dorlingkindersley, Pearson Education.
- Subba, Tanka B. 1999 *Between Ethnography and Fiction: Verrier Elwin and the Tribal Question in India*, New Delhi: Orient Lonman.

- Medhi, Dilip K. 2008 *The Garos. Men and Environment in Northeast India, Vol II.* Guwahati and Delhi: Omsons Publication.
- Miri, Mrinal 1993 *Continuity and Change in Tribal Society.* Indian Institute of Advanced Study, Shimla.
- Sharma, T. 1993 *Man, Society and Language in Northeast India. Men and Environment in Northeast India, Vol II.* Guwahati and Delhi: Omsons Publication.
- Singh, K.S. 1972 *Tribal Situation in India.*
- Furer-Heimendorf, C Von 1985 *Tribes of India*
- Dube, S.C. .. *Tribal Situation in India.*
- Bose, N.K. *Tribal Life in India*
- Srinivas, M.N. 1952, *Religion and Society Among the Coorgs of South India*

FOURTH SEMESTER

FOURTH SEMESTER

ANT/H/C-7: INTRODUCTION TO PALAEOANTHROPOLOGY

OBJECTIVE: The course is a broad outline of the pattern of human evolution as evident from hominoid and hominid fossils.

UNIT-I: Palaeoanthropology: Definition, History, Scope and Relationship with other sub disciplines of anthropology. Phylogeny in palaeoanthropology.

UNIT-II: Hominoid fossils: Distribution, Characteristics and Phylogenic status of *Sahelanthropustchadensis*, *Orrorintugenensis*, *Ardipithecusramidus*.

UNIT-III: Hominid fossils: Distribution, Characteristics and Phylogenic status of Australopithecines, *Homo habilis*, *Homo erectus*, *Homo neanderthalensis*, *Homo sapiens*.

UNIT-IV: Advances in Palaeoanthropology: Ancient DNA, Relevance of aDNA studies, aDNA studies on Neanderthals and Denisovans.

READINGS

Agarwal DP and Kusumgar Sheela 1974. *Prehistoric Chronology and Radiocarbon dating*, Delhi: MunshiramManoharlal

Bhattacharya DK 1972. *Prehistoric archaeology: A comparative study of human succession.* Delhi: Hindusthan Publishing Corporation.

Butzer Karl W 1971. *Environment and Archaeology: An Ecological Approach to Prehistory.* Chicago: Aldine- Atherton.

- Decorse CR 2000. *The Record of the Past: An Introduction to Physical Anthropology and Archaeology*. Englewood: Prentice Hall.
- Ember Carol R, Ember Melvin and Peregrine Peter N. 2002. *Anthropology 10th edition*. Delhi: Pearson Education.
- Haviland WA 1997. *Human Evolution and Prehistory 4th edition*. Fort Worth: Harcourt Brace College Publications.
- Hole Frank and Heizer Robert 1973. *An Introduction to Prehistoric Archeology 3rd edition*. New York: Holt Rinehart and Winston Inc.
- Isaac Glynn 1997. *Plio-Pleistocene Archaeology*. Oxford: Clarendon Press.
- Jones Steve, Martin Robert and Pilbeam David 1992. *The Cambridge Encyclopedia of Human Evolution*. New York: Cambridge University Press.
- Nelson Harry and Jurmain Robert 1991. *Introduction to Physical Anthropology 5th edition*. New York: West Publishing Co.
- Sen D and Ghosh AK 1966. *Studies in Prehistory*. Calcutta: Firma KLM.

ANT/H/C-8: PREHISTORIC ARCHAEOLOGY-II

OBJECTIVE: The course is a broad outline of European and African prehistory, and its comparison with Indian prehistoric context.

UNIT-I: Technocomplex, economies and cultures of Lower Palaeolithic, Middle Palaeolithic, Upper Palaeolithic of Europe. Upper Palaeolithic Art of Europe.

UNIT-II: Mesolithic cultures of Europe: Azilian, Tardenoisian, Maglemosian, Kitchen Midden. Key Causes of Mesolithic age. Tool technology, Characteristic and economy of Neolithic of Europe. Concept and impact of Neolithic revolution.

UNIT-III: Significance of African prehistory; Mode I and Mode II industry in African palaeolithic. Characteristics of Acheulean culture in Africa. Middle Stone Age and Late Stone Age of Africa.

UNIT-IV: Comparison of Indian prehistory with European and African prehistory. Significance of Attirampakam site in the migration of *Homo erectus* from Africa. Acheulean culture of India and colonization of the sun-continent from Africa.

READINGS

Agarwal DP and Kusumgar Sheela 1974. *Prehistoric Chronology and Radiocarbon dating*, Delhi: Munshiram Manoharlal

Bhattacharya DK 1972. *Prehistoric archaeology: A comparative study of human succession*. Delhi: Hindusthan Publishing Corporation.

Butzer Karl W 1971. *Environment and Archaeology: An Ecological Approach to Prehistory*. Chicago: Aldine- Atherton.

Decorse CR 2000. *The Record of the Past: An Introduction to Physical Anthropology and Archaeology*. Englewood: Prentice Hall.

Ember Carol R, Ember Melvin and Peregrine Peter N. 2002. *Anthropology 10th edition*. Delhi: Pearson Education.

Haviland WA 1997. *Human Evolution and Prehistory 4th edition*. Fort Worth: Harcourt Brace College Publications.

Hole Frank and Heizer Robert 1973. *An Introduction to Prehistoric Archeology 3rd edition*. New York: Holt Rinehart and Winston Inc.

Isaac Glynn 1997. *Plio-Pleistocene Archaeology*. Oxford: Clarendon Press.

Jones Steve, Martin Robert and Pilbeam David 1992. *The Cambridge Encyclopedia of Human Evolution*. New York: Cambridge University Press.

Nelson Harry and Jurmain Robert 1991. *Introduction to Physical Anthropology 5th edition*. New York: West Publishing Co.

Sen D and Ghosh AK 1966. *Studies in Prehistory*. Calcutta: Firma KLM.

FIFTH SEMESTER

ANT/H/C-9: THEORIES IN ANTHROPOLOGY

OBJECTIVE

This course introduces the students to seminal theories which have contributed to emergence of social-cultural anthropology as a specialized branch of knowledge.

CONTENTS

UNIT- I: Classical Anthropological Theories: i) Evolutionism: a) Classical evolutionism by E.B. Tylor, L.H. Morgan, V.G.Childe, L.A. White b) Neo- Evolutionism by Julien Steward, Marshal Sahlin.

ii) Diffusionism: British, German and American diffusionary School.

UNIT-II: Structural and Functional school of thought: i) Structural Functionalism by A.R. Radcliffe Brown; ii) Functionalism and concept of need by B.K. Malinowski; iii) Structure dynamism by Edmund Leach and E.E. Evans Pritchard iv) Social structure and social organisation by Raymond Firth.

UNIT- III: Structuralism by Levi Strauss; Post structuralism by E. Leach

UNIT-IV: Personality school of thought- Ruth Benedict, Margaret Mead, Ralph Linton. Culture and personality formation.

READINGS

Evens-Pritchard, Edward (1981) *A History of Anthropological Thought*, London, Boston: Faber & Faber.

Lowie, R.H. (1938) *The History of Ethnological Theory*, New York: Holt, Rinehart and Winston.

Manners, R.A. and D. Kaplan (eds) (1968) *Theory in Anthropology: A Source Book*, London: RKP.

Layton, Robert (1997) *An Introduction to Theory in Anthropology*, Cambridge: Cambridge Univ. Press.

Moore, J.D. (1997) *Vision of Culture: An Introduction to Anthropological Theories and Theorists*, New Delhi: Sage.

Harris, Marvin (1968/2001) *The Rise of Anthropological Theory*, New York: Thomas Y. Crowell Co.

Benedict, Ruth, 1934 *Patterns of Culture*

Benedict, Ruth, 1946 *Chrysanthemum and The sword*

Mead, Margaret, 1928 *Sex and Temperament in Three Primitive societies*

Linton, Ralph, 1942 *Cultural Background of Personality*

ANT/H/C-10: ANTHROPOLOGY OF RELIGION

OBJECTIVE

This course introduces the students to anthropological understanding of religion and its various aspects like sacred objects, symbols, rituals, functionaries, magic and witchcraft.

CONTENTS

UNIT- I: Concept of Sacred: Edward Tylor, James Frazer, Herbert Spencer, Rudolph Otto, Emile Durkheim, B. Malinowski, A.R. Redcliffe Brown, M.N. Srinivas, Melford Spiro.

UNIT- II: Sacred Symbols: E.E. Evans Pritchard, Sherry Ortner, Clifford Geertz, Mary Douglas, Victor Turner.

UNIT- III: Rituals: Functions and Meanings- Emile Durkheim, A.R. Redcliffe Brown, E.R. Leach and Van Gennep, Clifford Geertz

UNIT- IV: Religious Specialists: Shamans, Priests, Yogis and Mystics. Witchcraft and Magic: Traditional and Modern.

READINGS

Lessa and Vogt (1979) *A Reader in Comparative Religion*. New York: Harper and Row.

Michael Lambeck (2002) *A Reader in Anthropology of Religion*. Malden: Blackwell.

Durkheim, E. (1995) *Elementary Forms of Religious Forms*. New York: Free Press.

Turner, Victor (1969) *The Ritual Process*. Chicago: Aldine.

Douglas, Mary (1996) *Natural Symbols: Explorations in Cosmology*. London: Routledge.

Gennep, Van (1960) *Rites of Passage*. Chicago: Chicago University Press.

Kluckhohn, Clyde .. *Novado Witchcraft*

Evans, Pritchard .. *Nuer Religion*

Evans, Pritchard .. *Witchcraft among the Azande*.

ANT/H/C-11: STUDIES ON SIMPLE SOCIETIES

STUDIES ON SIMPLE SOCIETIES

OBJECTIVE: This paper is going provide the theoretical issues related to the simple societies, their material culture and contemporary changes.

UNIT-I: Theoretical backgrounds and concepts on simple societies; Village studies and peasant studies in India; Primitive society and agrarian society as a conceptual model of village ethnography; Methods to collect ethnographies and monographs on simple societies; Genealogical analysis, kinship co-relations and mathematical anthropology.

UNIT-II: Material cultural analysis- Anthropology of physics and ethno science; analyzing indigenous or traditional knowledge, cultural cognition and cosmological anthropology; Digital anthropology, auto-ethnography and folk cultural preservation.

UNIT-III: Impact of colonial and post-colonial Tribal policies and forest policies; Economic development of Indian Tribes, land holdings and land rights; Adoption of advanced technologies and allied economics; Poverty alleviation programmes.

UNIT-IV: Cultural and environmental dimension of Tribal health; Methods of traditional healing and health care practices; role of traditional healers; influence of natural and supernatural agencies; national health policies; interaction between traditional and western medicine.

READINGS

Chaudhuri, B. 1982. *Tribal Development in India: Problems and prospects*. New Delhi: Inter

India, Publications.

Chaudhuri, B. (2003), *Health, Forest and Development: The Tribal Situation*. New Delhi: Inter-India Publications.

De, S. 2005, *Participatory Forest Management and Democratic Decentralisation in India: Focus On The Pioneer State*. Siliguri: N.L. Publishers.

Fernandes, W. and Menon, G. 1987, *Tribal Women and Forest Economy: Deforestation and Status Change*. New Delhi: Indian Social Institute.

Malhotra, R. 1992. *Anthropology of Development*. New Delhi: Mittal Publications.

Majumder, D.N. 1936. *A tribe in Transition: A study in Culture Pattern*. London: Longmans Green & Company. .

Office of the Commissioner for Scheduled Caste and Scheduled Tribes. *Handbook on Scheduled Caste and Scheduled Tribes (Paper-I)*

Roy, S.C. 1915. *The Oraons Of Chhotanagpur*. Ranchi, Man in India Office Sachidananda and Singh, K.S. 1985. *Tribal Society in India*. New Delhi, Manohar.

Singh, K.S. 1972. *Tribal Situation in India*. Simla, Indian Institute of Advance Study

Vidyarthi, L.P. 1980. *Applied Anthropology and Development*. New Delhi: National Publication.

Vidyarthi, L.P. and B.K. Rai 1985. *The tribal culture of India*. New Delhi: Concept Publ. Co.

SIXTH SEMESTER

ANT/H/C-12: ANTHROPOLOGY OF HUMAN RIGHTS

OBJECTIVE: The paper is focussed to develop the concept and practical application of Anthropological knowledge in the awareness of human rights. It has been framed to build up consciousness and protection of human rights, in wider social context.

CONTENTS:

UNIT-I: Definition, Attributes, Scope, Significance; International Declaration of Human Rights; Characteristic feature of Human Rights

UNIT-II: Environmental rights, Indigenous rights, Cultural rights, Health rights, Poverty and Human rights

UNIT-III: Urban poverty; Study on Slum and Beggars in the Urban areas. Forest rights

UNIT-IV: Women Rights in Indian society- Theoretical background; Role, status and authority of women in tribal and non tribal societies; Exploitation and violence against women; Reproductive Mother-Child Health issues. Child Rights, child labours, child workers and violation of child rights

READINGS

- Benedict, R. 1934. *Patterns of Culture*. New York: Houghton Mifflin.
- Berremen, G.D. 1979: *Caste and Other Inequalities* Meerut Folklore Institute.
- Beteille, Andre (ed.). 1969: *Social Inequality*. London: Penguin Books.
- Beteille, Andre 1971: *Inequality among Men*. Delhi: Oxford University Press.
- Beteille, Andre 1983: *The Idea of Natural Inequality and Other Essays*. Delhi: Oxford University Press
- Bharucha, E. (2005), *Environmental Studies*. Hyderabad: Universities: Press Pvt. Ltd.
- Chaudhuri, B. & A. K. Maiti (eds.) (1989), *Forest and Forest Development in India*. New Delhi: Inter India Publications.
- Chaudhuri, B. (1990), *Culture and Environmental Dimension on Health*. New Delhi: Inter India Publications.
- Chaudhuri, B. (2003), *Health, Forest and Development: The Tribal Situation*. New Delhi: Inter-India Publications.
- Chauhan, I.S. & A. Chauhan. 1998, *Environmental Degradation*, Jaipur: Rawat Publications.
- Divan, S. & A. Rosencranaz, 2007 *Environmental Law and Policy in India*. New Delhi: Oxford University Press
- Fernandes, W. and Menon, G. 1987, *Tribal Women and Forest Economy: Deforestation and Status Change*. New Delhi: Indian Social Institute.
- Forde, C. Daryll. 1971, *Habitat, Economy and Society*. London: Methuen & Co. Ltd.
- Gadgil, M. & Guha, R. 2006, *The Fissured Land*. New Delhi: Oxford University Press.
- Gadgil, M. & R.Guha, 2007, *The Use and Abuse of Nature*. New Delhi: Oxford University Press.
- Gerasimov, I.P. et.al. 1975. *Man Society and the Environment*. Moscow: Progress Publishers.
- Guha, R. 2006, *Social Ecology*. New Delhi: Oxford University Press.
- Jha, V. C. (ed.) 2003, *Land Degradation and Desertification*. Jaipur: Rawat Publications.

ANT/H/C-13: HUMAN GROWTH AND DEVELOPMENT

OBJECTIVE

This course introduces the students to processes, factors and requirements of human growth and development along with methods for its study and analysis.

CONTENTS

UNIT- I: Human Growth: Definition, concepts – differentiation, maturation and development.

UNIT- II: Factors affecting growth: Genetic, Environmental, Hormonal, Nutritional, Socio-economic, Secular trends, Gerontology.

UNIT- III: Methods of studying human growth and development – Longitudinal, cross sectional, mixed longitudinal, growth curves, epiphyseal union, Dentition. Analysis of human physique and body composition – Sheldon, Parnoll, Heath –Carter

UNIT- IV: Nutritional requirements, fats, minerals, vitamins Under nutrition, obesity, Malnutrition, Physiological factors in Growth- Blood pressure, Heart rate, pulse rate.

READINGS

Harrison et, al (Ed) *Human Biology: An Introduction to Human Evolution, variation Growth and Adaptation.*

Garn and Shamir *Methods of Research in Human Growth.*

Tanner, J.M. *From Foetus into Man*

Watsonard Lowery J.M. *Growth and Development of children.*

ANT/H/C-14: INTRODUCTION TO HUMAN GENETICS

OBJECTIVE

This course introduces the students to fundamental concepts related to human genetics and it's importance in Anthropological studies.

UNIT I: Chromosome; DNA: Structure and Replication; The central dogma; Mutation; Chromosomal aberrations - Numerical and Structural; Concept of gene and genome; Mendelian Inheritance in humans: Simple Autosomal Inheritance (Dominant, Recessive and co-dominance), Sex Linked Inheritance; Sex-influenced and Sex-limited genes. Pedigree analysis.

UNIT II: Genetics of the biochemical Markers of human variation: ABO and RH blood groups polymorphism, Sickle cell anemia; PTC taster and non-taster; Thalassemias; Colour blindness.

UNIT III: Molecular markers – RFLPs, VNTRs, STRs, SNPs, CNVs, mtDNA, Y chromosomal DNA markers; DNA finger printing technology – DNA extraction, PCR, Electrophoresis, Automated DNA sequencing

UNIT IV: Molecular genetics of Single gene disorders – Huntington's Chorea, Haemophilia; Genetic Screening and Genetic counselling; Human genome project; Branches of human genetics.

Suggested Readings:

Wolfgang A Schulz. 2005. *Molecular biology of human cancers.* Springer

- Alexander G. Haslberger. 2010. *Epigenetics and Human Health*. WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim
- John Mattick and Paulo Amaral. 2023. *RNA, the Epicenter of Genetic Information: A new understanding of molecular biology*. CRC Press
- Darwin R. Labarthe. 2011. *Epidemiology and Prevention of Cardiovascular Diseases: A Global challenge*. Jones and Bartlett Publishers
- Mark Sanders and John Bowman. 2017. *Genetic analysis: An integrated approach*. Pearson.

ANT/H/C-15: DEVELOPMENTAL ANTHROPOLOGY

OBJECTIVE: This paper is going focus on the role of anthropology in the issues related to development, urbanization and urban problems.

UNIT-I: Basic concept, meaning and scope of Applied Anthropology and Action Anthropology.

UNIT-II: Application of Anthropology and its contemporary relevance in community development and planning and administration. Role of Anthropology in tribal development, policies and programmes.

UNIT-III: Human Resource Development, Importance of HRD in India, Relationship with Anthropology. Sustainable Development: Definition, Concept, Dimensions in Indian Context.

UNIT-IV: Concept of Cultural Ownership: Place of Culture, Conflict, Hegemonic Growth. Emerging Issues: Intellectual Property Rights, Patent Act, World Trade Organisation.

READINGS:

Bharwava G. (Ed.) 1981 *Urban Problems and Policy Perspectives*, New Delhi: Abhinav Publ.

Bose, A. 1974 *India's Urbanisation, 1901-2001*, New Delhi: Mittal Publications

Chaudhuri S. 1987 *Beggars of Kalighat*, Calcutta: Anthropological Survey of India, Calcutta

Chaudhuri S. 2008 *Urbanization and Identity: Study on Megacities in India*; New Delhi : Inter India Publications,

Jameson, F. and M. Miyoshi (ed.) 2000 *The Culture of Globalisation*, Duke University Press.

Misra K. Kamal 2005 Anthropology: New Global Order and Other Essays, Concept Pub. New Delhi

Nathan D. G. Kelkar and P. Walter 2004 *Globalisation and Indigenous Peoples in Asia*, New Delhi: Sage Publications.

SEVENTH SEMESTER

ANT/H/C-16: INTRODUCTION TO HUMAN POPULATION GENETICS

OBJECTIVE

This course introduces the students to fundamental concepts related to human population genetics and its importance in Anthropological studies.

UNIT I: Historical development, Scope, and Applications of population genetics; Concepts of Genes, Allele, Population, Effective population size, Genetic load, Darwinian fitness, Allele frequency, Genotype frequencies.

UNIT II: Hardy – Weinberg principle and its application in Human genetics; Mathematics of Hardy–Weinberg Equilibrium; Evolutionary factors that disturb the equilibrium: Natural selection, Mutation, Gene flow, Genetic drift.

UNIT II: Mutation rate calculation-Direct and Indirect methods; Mutation Models for discrete alleles; Genetic polymorphism- basic concept of transient and balanced polymorphism.

UNIT III: Natural selection: Types of Natural selection. Concept of selection relaxation. Genetic drift and population size. Gene inflow and population size.

UNIT III: Inbreeding, Quantifying Inbreeding; Inbreeding in Human Populations: Roma gypsies of Europe and Ashkenazi Jew; Consanguinity and inbreeding.

UNIT IV: Population history: Founder's effect; Bottleneck effect; Concept of genetic distance; Phylogenetic analysis in population genetics; measures of genetic diversity.

Suggested Readings:

Crow, James F, Motoo Kimura, 1970. *An introduction to population genetics theory*. Harper and Row.

Gillespie John H, 1998. *Population genetics: A concise guide*. The John Hopkins University press, London.

Hamilton Matthew, 2009. *Population genetics* Wiley Blackwell.

Jobling, M., Hollox, E., Hurles, M., Kivisild, T. and Tyler-Smith, C. 2014. *Human Evolutionary Genetics* Garland Science, New York/London.

ANT/H/C-17: PHYSIOLOGY AND ANTHROPOLOGY

OBJECTIVE

This course introduces the students to fundamental concepts related to human physiology and its importance in Anthropological studies.

UNIT I: Fundamentals of Work Physiology: Cardio-vascular and respiratory endurance, haemodynamics and exercise (blood pressure, pulse rate, heart rate and oxygen-transporting system, blood flow, Hb, haematocrit)

UNIT II: Physical working capacity and physical fitness methodology: evaluation of response and adaptation of the body to stress of exercise. Ageing and health related aspects of exercise.

UNIT III: Health and fitness; Variations in respiratory functions with age, sex and environment; Interrelationship of body measurements with respiratory functions.

UNIT IV: Regulation of body weight: energy expenditure and physical activity. Physical performance and environmental stress: heat stress, cold stress and high altitude, chronic diseases, malnutrition. Body composition: methods of assessment; environmental and genetic contribution to obesity;

Suggested Readings:

Sherwood, Lauralee, 2008. *Human Physiology: From Cells to Systems* Brooks Cole.

Case, RM, Ed 1985. *Variations in Human Physiology*. Manchester University Press.

Davson Hugh, Eggleton, M Grace. Lea &Febiger 1968. *Principles of Human Physiology*

Functions

Vander, Arthur J; Sherman, James H; Luciano, Dorothys,1978. *Human Physiology: The Mechanisms of Body* McGraw-Hill Education.

Nageswari, K Sri; Sharma Rajeev, 2006. *Practical workbook of Human Physiology*. Jaypee Brothers. Medical Publisher.

Tudor Hale, 2003. *Exercise Physiology*. John Wiley & Sons Inc, England.

ANT/H/C-18: INTRODUCTION TO DEMOGRAPHY

OBJECTIVE

This course introduces the students to fundamental concepts related to demography, statistics and their application Anthropological studies.

UNIT-I: Definition, scope, objectives and applications of demography; Relationship between Demography and Anthropology; Sources of demographic data. History of population growth.

UNIT-II: Malthusian theory of population explosion; Criticism of Malthusian theory; Demographic Transition theory; Caldwell's wealth flows theory of fertility decline; socio-cultural factors affecting fertility in human populations.

UNIT III: Demographic processes: fertility, mortality and migration; Crude and specific birth and death rates; concepts of fecundity and fertility; total and age specific fertility rates, infant mortality rate.

UNIT IV: Age-Sex composition; Population pyramid; Interpretation of population pyramid; Stable and stationary populations; Sex ratio and child woman ratio; Dependency ratio and labour force participation rate.

References:

Basu, A. M. and Aaby, P. (1998). *The Methods and Uses of Anthropological Demography*, Oxford: Clarendon Press.

Cox, P. R. (2009). *Demography* (5th Ed), Cambridge, GBR: Cambridge University Press.

Engelhardt, H., Kohler, H. P. and Furnkranz-Prskawetz, A. (2009). *Causal Analysis in Population Studies: Concepts, Methods, Applications* (The Springer Series on Demographic Methods and Population Analysis): Netherlands: Springer Dordrecht.

Gravetter, F. J. and Wallnau, L. B. (2017). *Statistics for the Behavioural Sciences* (10th edition), Boston, MA: Cengage Learning.

Kothari, C. R. (2013). *Research Methodology: Methods and Techniques*, New Delhi: New Age International Pvt. Ltd.

Madrigal, L. (2012). *Statistics for Anthropology*, Cambridge: Cambridge University Press.

ANT/H/C-19: RESEARCH METHODOLOGY

Objective: The objective of this course is to introduce students to the fundamentals of research methodology, emphasizing the processes, techniques, and tools required to conduct high-quality research. Students will learn about the various types of research, including qualitative, quantitative, and experimental approaches, and the importance of designing research with clear objectives, hypotheses, and problem statements. The course will cover the practical aspects of research design, data collection, and sampling techniques. Students will also explore the process of data analysis using statistical methods and software, along with ethical considerations and report writing standards, including the use of referencing styles and plagiarism detection tools.

UNIT-I: Research Methodology

Objectives and motivations in research; Characteristics and limitations of research; Components of research work; Criteria of good research, Research process; Types of Research; Fundamental, Pure or Theoretical Research, Applied Research, Descriptive Research, Evaluation Research, Experimental Research, Survey Research, Qualitative Research, Quantitative Research.

UNIT-II: Research Design Formulation

Research Design – definition – essentials and types of research design – errors and types of errors in research design. Research problem: Selecting and analyzing the research problem – problem statement formulation – formulation of hypothesis. Variables in Research – Measurement and scaling, Different scales, Construction of instrument, Validity and Reliability of instrument.

UNIT-III: Research Publication Ethics

Publication Ethics: Definition, Introduction and Importance, Conflicts of Interest, Best practices/standards initiatives, and guidelines: COPE, EAME, etc. Plagiarism, Self-Plagiarism, Software for detection of Plagiarism. Publication misconduct: definition, concept, problems that lead to unethical behaviour and vice-versa, types, complaints and appeals.

UNIT-IV: Code of Ethics in Research

Ethical issues in research: Code of Ethics in Research, Violation of publication ethics, authorship and contributorship, Intellectual Property Rights, Ethics related to Participants and Researchers: Copyright; Royalty, Patent Law, Citation, Acknowledgment. Predatory publishers and journals.

Suggested Readings:

Bernard Russell, 2006. *Research Methods in Anthropology*. Altamira press.

Burn Robert, 2000. *Introduction to Research Methods*. SAGE Publications Ltd

Sinha suresh& A.K. Bhiman: *Research Methodology* Vol I& II.

Freedman David, Robert Pisani, Roger, 2007. *Statistics* WW Nordon& company inc.

Gibson W J & A. brown, 2009. *Working with Qualitative Data*. London Sage.

Srivastava, V.K. (1994) *Methodology and Fieldwork*. Oxford University Press.

Miller, D.C. and N.J. Salkind (2002) *Handbook of Research Design and Social Measurement*. Sage.

Barnes, J.A. (1977) *The Ethics of Enquiry in Social Sciences*. Delhi: OUP.

Burgess, R.G. (1984) *In the Field: An Introduction to Field Research*. London: Routledge.

Epstein, A.L. (1978) *Crafts in Social Anthropology*. Delhi: Hindustan Publishing Corporation.

Pelto, P.J. (1970) *Anthropological Research: The Structure of Enquiry*. New York: Harper and Sons.

Sarana, G. (1975) *The Methodology of Anthropology*. New York: The University of Arizona Press

EIGHTH SEMESTER

ANT/H/C-20: APPLICATION OF ANTHROPOLOGY

OBJECTIVE

This course will frame up the conceptual perception of the students to apply the knowledge of Anthropology in understanding human culture, human variation, human adaptation in day to day human welfare activities.

UNIT-I: Ethics in Anthropological research: Definition and aim, its necessities in research; ethical consideration in research; Ethical committee and function; types of consent; Human and animal ethics

UNIT-II: Applications of Biological Anthropology: Concept of health and disease; Genetic inheritance of traits: autosomal and sex linked; Forensic anthropology; Genetic counseling; Anthropological demography; Nutritional anthropology, Anthropology of Public Health

UNIT-III: Applications of Social-cultural Anthropology: Definition, aim and scope of media anthropology, visual anthropology, human rights, folk culture, land acquisition and public anthropology.

UNIT-IV: Applications of Prehistoric Archaeology: Ideas on Heritage- Defining what constitutes cultural and natural heritage, the criteria for UNESCO World Heritage Site designation, and the different types of heritage properties; Heritage Management Principles, Heritage Legislation and Policy, Heritage Interpretation and Presentation; Community Involvement in Heritage Management and Heritage tourism practices, Public Archaeology.

References

Dayalan, D. (2019). *Conservation and management of Cultural heritage*. Aryan Book International.

Fernandez, W., and Tandon, R. (1981). *Participatory Research and Evaluation*, New Delhi: Indian Social Institute.

Fischer, M. (2003). *Applications in Computing for Social Anthropologists*, London: Routledge.

Hardesty, L. K. (1977). *Ecological Anthropology*, New York: John Wiley & Sons.

Kassam, Y. O., and Mustafa, K. (1982). *Participatory Research: An Emerging Alternative Methodology in Social Science Research*, New Delhi: Society for Participatory Research in Asia.

Kopnina, H. and Shoreman-Ouimet, E. (Eds.). (2011). *Environmental anthropology today* (p. 118). New York: Routledge.

Madrigal, L. (2012). *Statistics for Anthropology*, Cambridge: Cambridge University Press.

Mandelbaum, D. G. (1973). The study of life history: Gandhi. *Current anthropology*, 14(3), 177-206.

Moran, E. F. (1979). *Human Adaptability*, The University of California: Duxbury Press.

Mukherjee, N. (1995). *Participatory Rural Appraisal and Questionnaire Survey*, New Delhi: Concept Publishing Co.

Pelto P. J. and Pelto, G. H. (1978). *Anthropological Research: The Structure of Inquiry*, London: Cambridge University Press.

Townsend, P. K. (2000). *Environmental Anthropology, Prospect Heights, III.:* Waveland Press.

Trigger B. G. (1983). *Beyond History: The Methods of Prehistory*, New York: Irvington Publishers.

Wheeler, M. (1954). *Archaeology from the Earth*, Oxford: Oxford University Press.

Young, P. and Schmid, C. F. (1939). *Scientific Social Surveys and Research*, New Jersey: Prentice – Hall.

Yu, P. L., Lertcharnrit, T., & Smith, G. S. (Eds.). (2023). *Heritage and cultural heritage tourism: International perspectives*. Springer Nature.

ANT/H/C-21: ANTHROPOLOGY OF SPORTS

UNIT I: Body size, shape, composition, growth and maturation and their measures; Somatotyping; Human musculoskeletal system, joints and articulation, The Dynamics of Running. Assessment of posture and flexibility.

UNIT II: Biomechanics of movement, Anatomical description and its limitations, Fundamentals and Principles for the application of biomechanics; Applications of biomechanics. Biomechanical foundations of strength and power training.

UNIT III: Qualitative and quantitative analysis in biomechanics. Body composition and athletes; Factors affecting performance: physiological factors, environmental, training and conditioning techniques; Principles of throwing, hitting and kicking.

UNIT IV: Macro nutrients, Vitamins: Metabolic functions, Minerals, Fluid and Electrolyte Balance, Effects of dehydration and rehydration on performance, Rehydration and recovery after exercise. Sport-specific nutrition, Weight Category Sports. Vegetarian Athlete.

Suggested Readings:

Robert R. Sands and Linda R. Sands. 2010. *The Anthropology of Sport and Human Movement: A Biocultural Perspective*. Lexington Books

John Mclester; Peter St. Pierre , 2008. *Applied Bio-mechanics concepts & connections*. Wadsworth Publishing Co.

Duane Knudson, 2007. *Fundamentals of Biomechanics*. Springer.

Jacky Forsyth and Claire-Marie Roberts *The Exercising Female: Science and Its Application*. Routledge

Vladimir M. Zatsiorsky. 2000. *Biomechanics in sport*. Blackwell Science Ltd

Ronald J. Maughan .2000. *Nutrition in sport*. Blackwell Science Ltd

Peter M. McGinnis . 2013. *Biomechanics of sport and exercise* (3rd edition) Human Kinetic.

Roger Eston and Thomas Reilly. 2009. *Kinanthropometry and Exercise Physiology Laboratory Manual*. (Vol 1 & 2) Routledge

Edward M. Winter et al.2007. *Sport and exercise physiology testing guidelines*. Routledge

ANT/H/C-22: ANTHROPOLOGY OF GENDER

OBJECTIVE

This course introduces the students to concepts and approaches in anthropology of gender, gender and health, gender and development, gender and globalisation and gender studies.

CONTENTS

UNIT I: Concept of gender and its evolution, social theories and cultural construction of gender, anthropological approach to gender studies, gender in patrilineal and matrilineal societies.

UNIT II: Gender and health, sexuality and reproductive health, fertility, gender and mental health, disease and gender.

UNIT III: Recent changes in gender studies: Feminism, Feminist movements and gender movements, gay and trans-sexuality; Gender and development, Gender perspective in development, gender sensitivity, gender equity, gender discrimination, gender development index, gender equity index.

UNIT IV: Gender and Globalization, Rethinking gender roles, influence of mass media, communication and new reproductive technology, new perspective on sexuality.

READINGS

Ardener, Shirley (1985) *The Social Anthropology of Women and Feminist Anthropology*. Anthropology Today, 1 (5).

Barnard, A. (2000) *History and theory in Anthropology*. Cambridge: University Press.

Connell, R.W. (2002) *Gender*. Cambridge: Polity Press.

Cormack, C.M. and M. Strathern (1998) *Nature, Culture and Gender*. Cambridge: University Press.

Croll, E. (2000) *Endangered Daughters: Discrimination and Development in Asia*. London: Routledge.

Dube, Leela (1997) *Comparative Perspective in Gender in South and Southeast Asia*. New Delhi: Vistaar.

Evans Pritchard, E.E. (1965) *The position of Women in Primitive Society and Other Essays in Social Anthropology*. London: Faber Ltd.

Harris, M. (1991) *Cultural Anthropology*. NY: Harper Collins.

- Kakar, S. and J.M. (1995) *Tales of Love, Sex and Danger*. Delhi: OUP.
- Kelkar, G. and D. Nathan (1991) *Gender and Tribe*. New Delhi: Kali for Women.
- Mayers, M.J. et al (1990) *Gender, Kinship, Power*. NY: Routledge.
- McGee, R.J and R.L. Warms (1996) *Anthropological Theory*. London: Mayfield Pub.
- Moore, H.L (1986) *Space, Text and Gender*. Cambridge: U Press.
- Moore, H.L (1994) *A Passion for Difference: Essays in Anthropology and Gender*. Bloomington: Indiana University Press.
- Moser, C. (1993) *Gender, Planning and Development*. London: Routledge.
- O'Reilly, A. (2001) *Mothers and Sons: Feminist Perspectives*. London: Routledge.
- Ortner, S.B. and H. Whitehead (1956) *Sexual Meanings: The Cultural Context of Gender and Sexuality*. Cambridge: University Press.
- Rao, A. (2000) *Autonomy: Life Cycle, Gender and Status among Himalayan Pastoralists*. Herndon: Berghahn Books.
- Rapport, N. And J. Overing (2000) *Social and Cultural Anthropology*. London: Routledge.
- Singh, A.M. and A. Kelle-Vitanen (1987) *Invisible Hands: Women in Home-based production*. New Delhi:Sage.
- Unnithan Kumar M. (2001) *Identity, Gender and Poverty: New Perspectives on Caste and Tribe*. Delhi: Rawat.
- Zehol, L. (2006) "Gender issues in Tribal Society of North-East India: Some Observations". *Bulletin of the Department of Anthropolgy. Dibrugarh University, 34:99-106*
- Gunewardena, Nandini and Ann E. Kingsolver (2007) *The Gender and Globalization: Women navigating cultural and economic marginalities*. Santa Fe N.M.: School for Advanced Research Press.

ANT/H/C-23: ECOLOGY AND CULTURE

CONTENTS

UNIT- I: Cultural and Social Ecology: concept, definition and relevance; Relationship between Culture, Environment and Technology; Nature and Culture- Concept of Nature across Different culture.

UNIT-II: Cultural ecology: Concept, its development and different theories; Philosophical foundation of Noosphere, Deep ecology and shallow ecology; Eco-feminism.

UNIT- III: Anthropological approach to development: Isolation, Assimilation and Integration; ; Human and nature interface: Adaptation, environmental impacts, ecosystems and biodiversity.

UNIT-IV: Indigenous Knowledge and alternative models; Indigenous knowledge system and their relevance: Nature resource management, Ethno- pharmacoepia.

Suggested Readings:

- Bennett J.W. (1976) *The Ecological Transition: Culture Anthropology and Human Adaptation*, New York: Pergamon press.
- Ellen, R.F. and P.H. Burnham (Eds). (1979) *Social and Ecological System*, London : Academic Press.
- Hardesty, D.L. (1977) *Ecological Anthropology*, New York: Wiley & Sons.
- Medhi, Dilip K. (1982) *Jhum Fire and the Ecology of Garo Hills, Meghalaya. Garo Hills-Land and people.* Guwahati: Omsons Publication.
- Misra, K.K. (2005) *Indigenous knowledge, Nature Resource Management and Development.* The Konda Reddy Experience. Bhopal: IGRMS and Delhi: PratibhaPrakashan.
- Milton, K. (1996) *Environmentalism and Culture Theory: Exploring the Role Anthropology in Environmental Discourse.* New York, NY: Routledge.
- Ingold, T. (1980) *Hunter, Pastoralism and Ranchers*, Cambridge : Cambridge University Press.
- Gadgil, M. And R. Guha (1994) *Ecological Conflicts and Environmental Movements in India, Development and Change.* 25:101-136.

ANT/H/DIST-1: DISSERTATION

Every student shall write a dissertation based on fieldwork. The dissertation carries 100 marks and it shall be submitted in partial fulfillment for the award of the degree of Bachelor of Science/Arts in Anthropology. This dissertation shall be evaluated by an external examiner and a viva voce will also be conducted for the same.

Note:

1. Last date of submission of dissertation: To be notified.
2. Submission of the dissertation is mandatory for the presentation and evaluation of the dissertation.
3. Number of copies to be submitted: 3 (three; soft bound) and 1 (one) soft copy.
4. Recommended format for dissertation:
Times New Roman, 12 Font, 1.5 Spacing, Justified.
5. Reference: APA format

SKILL ENHANCEMENT COURSE

ANTHROPOLOGY OF DISASTER MANAGEMENT

UNIT I: Concept and Types of disaster; Disaster Management and Anthropology; Natural disaster management strategies; New Dimensions of Disaster- Industrial development, displacement, issues of rehabilitation; Trauma and the cultural support.

UNIT II: Environmental Degradation; Environmental and man made problems- pollution, floods, soil erosion, landslide, earthquakes, etc. and its socio-economic consequences.

UNIT III: Coastal and riverine environmental disasters in India; Cases of coal mine industries; Disaster management strategies and it's implementation.

Students have to submit a short report on Natural disaster and it's impact on human society.

Suggested Readings:

Bharucha, E. (2005), *Environmental Studies*. Hyderabad: Universities: Press Pvt. Ltd.

Chaudhuri, B. & A. K. Maiti (eds.) (1989), *Forest and Forest Development in India*. New Delhi: Inter India Publications.

Chauhan, I.S. & A. Chauhan. 1998, *Environmental Degradation*, Jaipur: Rawat Publications.

Divan, S. & A. Rosencranaz, 2007 *Environmental Law and Policy in India*. New Delhi: Oxford University Press

Fernandes, W. and Menon, G. 1987, *Tribal Women and Forest Economy: Deforestation and Status Change*. New Delhi: Indian Social Institute.

Forde, C. Daryll. 1971, *Habitat, Economy and Society*. London: Methuen & Co. Ltd.

Gadgil, M. & Guha, R. 2006, *The Fissured Land*. New Delhi: Oxford University Press.

Gadgil, M. & R. Guha, 2007, *The Use and Abuse of Nature*. New Delhi: Oxford University Press.

Gerasimov, I.P. et.al. 1975. *Man Society and the Environment*. Moscow: Progress Publishers.

Guha, R. 2006, *Social Ecology*. New Delhi: Oxford University Press.

Jha, V. C. (ed.) 2003, *Land Degradation and Desertification*. Jaipur: Rawat Publications.

Joshi, M.V. 2004, *Environmental Disaster: Causes, Impact and Remedies*. Delhi: Adhyayan Publishers & Distributers.

Moore, R. 1975, *Man in the Environment*. New York: Alfred A. Knope.

Sinha, P.C. (ed.) 1998, *Costal and Marine Disasters*. New Delhi: Anmol Publications Pvt. Ltd.

Mukherjee, Radhakamal. 1968, *Man and His Environment: A Study in Social Ecology*. Bombay, Bombay Popular Prakashan.

Narayan, S. 2000, *Anthropology of Disaster Management*. New Delhi: Gyan Publishing House.

Sengupta, R. 2001, *Ecology and Economics*. New Delhi: Oxford University Press.

Zuckerman, B. & D. Jefferson. 1990, *Human Population and the Environmental Crisis*. Boston: Jones & Bartlett Publishers.

ANTHROPOLOGY OF TOURISM

OBJECTIVE

This course introduces the students to concepts and patterns of tourism, international perspectives, cultural tourism and economic trends in tourism.

Unit I: Tourism: definition, Growing potential of Tourism, Relationship between Tourism and Recreation, Demand for Tourism and Recreation.

Unit II: Patterns of Tourism: International Perspective, Cultural Landscape of Tourism, Landscape and Place. Alternative forms of Tourism: Origin and Concept, Classification, Economic trends in Tourism and Application.

Unit III: Types and Forms of Tourism: Inbound Tourism, Outbound Tourism, Incentive Tourism, Religious Tourism, Adventure Tourism, Medical Tourism, Cultural Tourism.

Suggested Readings

1. Chambers E. (2000). *Native Tours: The Anthropology of Travel and Tourism*. Prospect Heights: Waveland.
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5. Graburn NHH. (1977). *Tourism: The Sacred Journey*. *Hosts and Guests: The Anthropology of Tourism*. Valene L. Smith, ed. Philadelphia: University of Pennsylvania Press. Pp. 33-47.
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13. Richard B. (1992). *Alternative Tourism: The Thin Edge of the Wedge*. In Valene Smith and Eadington *Tourism* (eds.). *Alternatives: Potentials and Problems in the Development of Tourism*. University of Pennsylvania Press.
14. Hitchcock. (1997). *Cultural, Economic and Environmental Impacts of Tourism among the Kalahari*. In Chambers E (eds.) *Tourism and Culture: An Applied Perspective*. SUNY Press.