Post Graduate Syllabus in Anthropology
(Under Choice Based Credit System)
Department of Anthropology
Dibrugarh University
Dibrugarh – 786 004
Assam

Syllabus, Course Contents & Reading Lists for M.A. / M.Sc. (Under Choice Based Credit System) as approved by the Board of Studies in Anthropology.

Introduction

Anthropology thrives itself on its insatiable curiosity about humans and population groups. The study of humanity aims to draw reliable generalizations about population groups and their behaviour in order to gain the most complete understanding of human variation and evolution. Among the many issues that anthropologists attempt to address is a wide range of human concern in the contemporary world. Anthropologists desire to know when and where people first appeared on the planet, how and why they evolved over time, and how and why current human populations differ in some physical characteristics in respect to others. They are also interested in how and why cultures from the past and present differ or resemble in terms of norms, values, rituals, beliefs, and behaviours. Anthropologists are interested in all human populations, not just tribes and peasants, contrary to popular belief. Anthropologists study all aspects of the human population. When describing a group of people, an anthropologist may discuss the history of the region in which they currently reside, the physical environment, the social organization, the general characteristics of their language, the group's settlement patterns, political and economic systems, religion, styles of art, and clothing. Some are more interested in biological or physical aspects of human groups, whereas others are more interested in cultural or

linguistic characteristics. Studying prehistory helps to better understand the culture and society contemporary human cultural groups.

Learning Outcomes

To demonstrate the importance and coherence of Anthropology, its various branches, applications and its relationships to other disciplines. Furthermore, to demonstrate the procedural knowledge that enables learners to become one of the various professionals associated with the disciplinary or subject area of anthropology, such as those involved in research and development, teaching, and government or public service. To design and carry out experiments or fieldwork, analyze and interpret data gathered using appropriate methodologies, including the use of software applications, and accurately report the results of the experiment/fieldwork. To demonstrate the capacity to utilize Anthropological understanding in formulating and tackling societal problems, as well as identifying and applying appropriate anthropological principles and methodologies to solve a wide range of Anthropology related issues.

Assessment Methods

The Department of Anthropology after assessing the learning levels of the students through extempore questions, group discussions during the class hour and also by assessing the semester results of the students, identifies the slow and advanced learners. The slow learners are taken care of by conducting remedial classes. Assessment of progress towards the course/program learning outcomes is done using a number of assessment methods that are suitable for the teaching-learning process. Formative evaluation is given priority. Assessment methods include time-constrained exams, closed-book and open-book tests (whenever required), problem-based assignments, laboratory reports, observations of practical skills, individual project reports (dissertation), team project reports, oral presentations, including seminar presentations, viva voce interviews as well as any other methods that may be used.

The Post Graduate Programme in Anthropology shall be of four-semesters covering two academic years.

Course Structure

1. The Post Graduate Programme in Anthropology shall be of minimum 76 credits, distributed unevenly in 4 Semesters.

2. The Programme is divided into a number of courses.

a) Core Courses: These Courses include compulsory components of the Post Graduate Programme in Anthropology and are to be compulsorily studied as a core requirement for the Programme. Core Courses shall be of either 4 (four) or 2 (two) credits each. A total of 13 Core Courses are offered which are distributed equally in the four semesters.

b) Elective Courses: Elective courses shall be chosen by each student from a pool of courses. The Courses shall be of 4 (four) credits each. The Elective Courses shall be of two types:

(i) Discipline Specific Elective (DSE): These courses shall be intra-departmental. At least one course, out of a basket of DSE courses, shall be chosen by each student in each semester.

(ii) Generic Elective (GE): These Courses shall be inter-departmental/ inter-disciplinary. The students shall have to opt 1 (one) course from other departments according to his/ her area of interest. These courses are offered in 2nd and 3rd semesters.

c) Ability Enhancement Courses (AEC): The Ability Enhancement Courses shall be inter-disciplinary in nature and shall be of 2 (two) credits, according to his/ her area of interest. These courses are offered in 1st and 3rd semesters.

3. The Post Graduate Programme in Anthropology shall be governed by the Dibrugarh University Regulations for the Post Graduate Programmes in the Choice Based Credit System, 2018.

Semester	Core (fixed) Credit = 4	Elective (Minimum)		AEC (Minimum) Credit = 2 (Ability Enhancement Courses)	Total
		DSE Credit = 4	GE Credit = 4 (For Students from Other Departments)		
I	ANT10100: Physical Anthropology : Human Evolution ANT10200: Social and Cultural Anthropology: Society and Culture ANT10300: Archaeological Anthropology: Prehistory	ANT10401: Anthropology of North East India ANT10402: Dental Anthropology ANT10403: Prehistoric Cultural Pattern		ANT10501: Anthropology of Sports ANT10502: Anthropology of Disaster Management	18
II	ANT 20100:Research Methodology ANT20200: Practical in Physical Anthropology ANT20301: Practical in Prehistoric Archaeology (Credit=2) ANT20302: Ethnographic Fieldwork. (Credit=2)	ANT20401: Anthropology of Religion ANT20402: Human Adaptation ANT20403: Prehistory of South and Southeast Asia	ANT 20501: Applied Anthropology		20
III	ANT30100:Ecological Anthropology (Biological and Cultural)[Compulsory] <u>Any one of the following Sets:</u> <u>Set 1</u>: ANT30201: Formal Genetics. ANT 30202: Population Genetics. <u>Set 2:</u> ANT 30301: Development of Anthropological Thought.	ANT30501: Forensic Anthropology ANT30502:Medical Anthropology (Community Health and ethno-medicine) ANT 30503:Prehistory of India	ANT 30601: Anthropology of Ethnicity ANT 30602: Nutritional Anthropology	ANT30701: Visual Anthropology ANT30702: Anthropology of Food ANT30703:Human Rights	22

	ANT 30302: Social Change and Development. <u>Set 3:</u> ANT 30401: Theory & Methods in Archeology. ANT 30402: Prehistoric Economic Patterns				
IV	Any one of the following Sets: <u>Set 1</u>: ANT 40101: Human Growth and Development. ANT 40102: Demographic Anthropology ANT 40103:Dissertation - Physical Anthropology <u>Set 2</u>: ANT 40201: Language Culture and Society ANT 40202: Cultural Ecology ANT 40203:Dissertation - Social Anthropology <u>Set 3</u>: ANT40301: Environmental Archaeology ANT 40302:Chalcolithic and later cultures of India ANT 40303:Dissertation - Prehistoric Anthropology	ANT 40401:Nutritional Anthropology ANT 40402:Anthropology of India ANT 40403: Prehistory of Europe			1

Semester – I

Details Syllabus of the MA/M.Sc. Programme in Anthropology under Choice Based Credit System

Core (fixed), Credit – 4 (Each Paper)

Course No. : **ANT10100**

Title of the Course : **Physical Anthropology: Human Evolution**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Physical Anthropology : definition, aim and scope Evolution: Concept; Theories of Evolution; Lamarckism, Darwinism, Synthetic theory; Modern concept of evolution; Mitochondrial DNA theory, Multi-regional hypothesis, replacement theory, Punctuated equilibrium theory.	11	02	
Unit – II	Primate: Emergence and Evolution. Evolutionary changes of primates with special reference to the relevant fossils, emphasing skull, dentition and limbs.	11	02	
Unit – III	Classification of living primates: salient features and distribution. Functional relevance of evolutionary changes in human skeleton.	11	02	
Unit – IV	Evolution of Hominids: Austrolopithecinae, Homoerectus, Homo neanderthalensis, Homo sapiens (Cro-Magnan, Grimaldi, Chancelade).	11	02	

Recommended Reading **:**

Alexander Alland (Jr). 1980. *To be human : An Introduction to Anthropology*. New York : Alfred A. Knopf.

Ashley-Montagu, M.E. 1961. *An Introduction to Physical Anthropology*. Illinois : Charles C. Thomas.

Buettner-Janusch, J. 1966. *Origin of Man*. New Delhi : Wiley Eastern Private Ltd.

Clark W.E.L.G. 1959. *The Antecedents of Man*. Edinburg : Edinburg University Press.

Clark, L. G. 1961. *The fossil evidence for human evolution*. Chicago : University of Chicago Press.
Cohen, Y.A. 1974. *Man in adaptation – The biosocial background*. Chicago : Aldine.
Harrison, G.A.; J. M. Tanner; D.R. Pilbeam; and P.T. Baker. 1988. *Human Biology*. Oxford : Oxford Univ. Press.
Hootan, E.A. 1965. *Up from the ape*. New York : The Macmillan Co.
Howells, W.W. 1967. *Mankind in the Making*. New York : Doubleday.
Hulse, F.S. 1971. *The Human Species*. New York : Random House.
Katz, S.H. 1975. *Biological Anthropology : Readings from Scientific American*. San Francisco: W.H. Freeman and Company.
Laskar, G.W. 1976. *Physical Anthropology*. Holt, Rinehart and Wiston.
Poirier, F.E.; W.A. Stini; and K.B. Wreden. 1994. *In search of ourselves : An Introduction to Physical Anthropology*. New Jersey: Prentice Hall.

Course No. **: ANT10200**

Title of the Course **: Social & Cultural Anthropology: Society and Culture**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Social & Cultural Anthropology : definition, aim & scope. Concepts: Society, institution, social structure, organization. Religion, Primitive economy. Cultural paradox, cultural value, cultural relativism, cultural diversity, universals of culture, multiculturalism, syncretism, world view, super-organic and super individual nature of culture.	11	02	
Unit – II	Marriage: Definition, forms, types and rules of marriage, marriage payments – dowry and bride price, Divorces; marriage in India – recent changes in marriage.	11	02	
Unit – III	Family: Definition, type and functions of family. Joint family in India. Changing trend in family with special reference to India.	11	02	
Unit – IV	Kinship: Definition, kinship terminology, kinship behaviour, descent group, theoretical debate in kinship – Morgan,	11	02	

	Levi-Strauss, Leech, Needham and Schneidor, recent changes in kinship system.			

***Recommended Reading* :**

Beattie, John. 1976. *Other Culture* (Chapter I), London: Routledge & Kegan Paul.

Bose, N. K. 1975. *The Structure of Hindu Society* (translated by Andre Betielle), New Delhi: Sangam Books.

_____ 1977. *Culture and society in India.* Asia Publishing House, Bombay.

Dube, S.C. 1993. *Understanding Change : Anthropological and Sociological Perspectives*. Vikas Publishing House, New Delhi.

Ember, C. R. & M. Ember. 1981. *Cultural Anthropology*, New Delhi: Oxford Univ. Press.

Evans-Pritchard, E.E. 1972. *Social Anthropology* (Chapter-II & IV). London: Routledge & Kegan Paul Ltd.

_____ 1962. *Essays in Social Anthropology* (Chapter-I). Faber and Faber, London

Forth, R. 1957. *Man and Culture*, London: Routledge & Kegan Paul.

Fox, R. 1967. *Kinship and Marriage : An Anthropological Perspective*. Penguin Books, Harmondsworth.

Herskovits, M. J. 1969. *Cultural Anthropology*, New Delhi: Oxford.

Itasns, M. 1991. *Cultural Anthropology*, 3rd Ed. New York: Harper & Collons.

Kapadia, K. M. 1958. *Marriage and Family in India*. Oxford University Press, Indian Branch, Bombay.

Keesing, F. M. 1958. *Cultural Anthropology*, Rinchart, New York.

Kroeber, A. L. 1952. *The Nature of Culture*. University of Chicago Press, Chocago.

Kuper, A. 1999. *Culture : The Anthropologists' Account*. Harvard University Press, London.

Leach, E.R. 1986. *Social Anthropology*, Fontana Press, Glassgow.

Malinowski, B. 1944. *A Scientific Theory of Culture and Other Essays*. London: Chapel Hill.

Maire Lucy, 1972. *An Introduction to Social Anthropology*. Oxford: Clerendon Press.

Murdock, George P.1967. *Social Structure* (Chapter-I, II, III, VI, VII, X). The Mcmillan Co., Toronto

Needham, R. 1962. *Structure and Sentiments*. Chicago University Press, Chicago.

Piddington R. 1950-57. *An Introduction to Social Anthropology.* Oliver, London

Shah, A. M. 1962. *Family in India*. Orient Longman, Delhi.

Course No. **: ANT10300**

Title of the Course **: Archaeological Anthropology : Prehistory**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Archeological Anthropology : Definition, Aims and scope, Historical development, relationship with other disciplines, concept of sites; research techniques, data set, approaches for interpretation; recent and emerging trends.	11	02	
Unit – II	Basic principles in geoarchaeology: Palaeontology, Palaeobotany, geophysical methods. Palaeoecology : Quaternary ecology; evidences for its study. Geological framework, pleistocene stratigraphy, geographical and zonal concept; geomorphological study in archaeology.	11	02	
Unit – III	Prehistoric technology: Basic rock types. Minerals and its types; sources of raw materials, their properties and behaviour; tool making methods and techniques, ceramic technology; artifact and tool typology and classification.	11	02	
Unit – IV	Introduction to chronology. Thomsen model: Palaeolithic, Mesolithic, Neolithic, Chalcolithic, Bronze age and Iron age. Chronological controls dating methods – Temporal frameworks.	11	02	

Recommended Reading **:**

Bhattacharyya, D. K. 1997. *Prehistoric Archaeology*. Hindustan Publishing Corporation, New Delhi.

Bordes, F. 1968. *The Old Stone Age*. Weidenfeld and Nicolson, London.

Braidwood, R. J.1967 *Prehistoric Man*. Scott Foresman & Co. Chicago.

Brothwell, D. & Higgs, E. (Ed.) 1963. *Science in Archaeology. A Comprehensive Survey of Progress and Research*, Thames & Hudson. London.

Butzer, K. W. 1971.*Environmentaland Archaeology: An ecological approach to prehistory.* Aldine and Methuen. Chiocago/London

Chester, S. Chard 1975. *Man in Prehistory*. McGrow Hill, New York.

Clark, G.1977. *World Prehistory-in new perspective*. Cambridge Univ. Press, Cambridge.

Clark, G. 1960. *Archaeology and Society*. W.ill.or. wrappers. London.
Clarke, D. L. 1968. *Analytical Archaeology*, Methuen & Co. Ltd. London.
Daniel, Glyn.1962. *The origin and growth of Archaeology*, Penguin Book
---------- 1971. *The Idea of Prehistory*, Penguin Book.
Greene Kevin 1996 *Archaeology:An Introduction*. University of Pensylvania Press, USA
Hole and Heizer 1966. *An Introduction to Prehistoric Archaeology*. Holt, Rinehart & Winston, New york.
Indian Society for Prehistoric and Quaternary studies. Dating and Human Past.
Oakley, K.P. 1961. *Man the Tool Maker*. University of Chicago Press, Chicago.
Shankalia, H. D. *Stone Age Tools, their Techniques and Probable functions*, Deccan College Post-Graduate and Research Institute, Poona,
----------1974. *Pre and Protohistory of India and Pakistan*, Deccan College Post-Graduate and Research Institute. Poona.
Zeuner, F. E. 1946.*Dating the Past: An introduction to geochronology*, Methuen & Co. London.
----------1959. *The Pleistocene period, its climate, chronology and faunal successions*, Hutchinson Scientific. London.

DSE, Credit – 4 (Any One)

Course No. **: ANT10401**

Title of the Course **: Anthropology of North East India**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	North East India: Distribution of Ethnic groups and population migration, ethnic elements and linguistic diversity.	11	02	
Unit – II	History and development of Physical anthropology in North East India. Demographic studies, Population Genetics studies, Growth and nutritional studies, Dermatoglyphics, Studies on haemoglobinopathies. Contribution of eminent scholars from region.	11	02	
Unit – III	Emergence and development of Social anthropological studies in North East India: A Review. Trends in Social anthropological studies in North East India: Problems and prospects. Social	11	02	

	anthropological studies in North East India: Problems and prospects. Contribution of eminent scholars from region.			
Unit – IV	History and Development of Prehistoric Archaeology in North East India. Prehistoric Cultural patterns of North East India. Scope and Development of Ethno archaeology in North East India. Contribution of eminent scholars from region.	11	02	

Recommended books:

Das, P.B. : Physical Anthropology in N.E. India – A Review of Progress. In Eastern Himalayas. Edited by T.C. Sharma & D.N. Mazumdar.

Das, B.M. : The Brahmaputra Valley Population.

_____ : Physical Anthropology in N.E. India: A Short Review in Contemprorary Anthropological research in N.E. India.
Dibrugarh, Dept. of Anth. Dibrugarh University.

_____ : A Cross-Sectional Study of Growth in N.E. India. Journal of the Anthropological Society in India.

Goswami, M.C. & P.B. Das : The People of Arunachal Pradesh – A Physical Survey.

Bhagabati, A.C. : Research in Social Anthropology in North East India: A review (Contemporary Anthropological Research in N.E. India, B.M. Das ed.)

_____ : Research in Social Anthropology in North East India.

_____ : Problems and Prospects published in Contemporary Anthropological Research in N.E. India (B.M. das ed.)

Das, T.C. : The Purums.

Goswami, M.C. and D.N. Majumdar : Social Institutions of the Garos of Meghalaya.

Abbe, B.L. and Satish Saberwal (ed.) : Urgent Research in Social Anthropology. (pp. 54-60).

Sharma, T.C. and D.N. Majumdar : Eastern Himalaya: A Study in Tribalism in N.E. India (Relevant parts).

Roy, Sachin : Aspects of Padam Minyong Culture.

Majumdar, D.N. : Culkture Change in Two Garo Villages. Journal of the Indian Anthropological Society, 1994. Nos. 1,2 and 3 (selected papers)

(Relevant Chapters of the following books)

Sankalia, H.D. : Prehistory and Protohistory of India and Pakistan.
Allchin Bridget and
R. Allchin : The Birth of Indian Civilization.
Kamrupa Anusandhan Samiti : Archaeology of Assam and other States of North-Eastern India.
Singh, J.P. & G. Sengupta : Archaeology of North Eastern India (eds).
Sing, O.K. : Stone Age Archaeology of Manipur.
Sharma, T.C. and
Mazumdar, D.N. : Eastern Himalaya: A Study in Tribalism in N.E. India.
Relevant recent research publications.

Course No. **: ANT10402**

Title of the Course **: Dental Anthropology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Meaning, objectives and importance of dental anthropology, basic terms, evolutionary trends in the dentition of primates and human, its applications in forensic and medical sciences.	11	02	
Unit – II	Human dental morphology and anatomy: structure and function. Age and sex determination from teeth.	11	02	
Unit – III	Dental variation in eruption pattern across and within populations: metric variation and asymmetry, dental pathology across populations and associated factors: non-metric variation.	11	02	
Unit – IV	Occlusion: its concept, development of occlusion, tooth wear and cultural Treatment, neurobehavioral aspects of dentition.	11	02	

Suggested Readings

Alt, Kurt W., Friedrich W. Rösing, Maria Teschler-Nicola (eds.). 1998. *Dental Anthropology: Fundamentals, Limits and Prospects*. Springer-Verlag Wien

Bailey SE, J-J Hublin (eds). 2009. *Dental perspectives on human evolution*: state-of-the-art research in dental paleoanthropology. Springer.

Das, A.K.1987.Dental Anatomy and Oral Histology. Current Books International, Calcutta.

Edgar HJH. 2012. Estimation of ancestry using dental morphological characteristics. *Journal of Forensic Science*

Hilson, S.1990. *Teeth*. Cambridge University Press.

Hilson, S.1996. *Dental Anthropology*. Cambridge University Press.

Irish JD, G.C. Nelson. 2008. *Technique and application in dental anthropology*. Cambridge University Press.

Koppe T, G. Meyer, K. Alt (eds). 2009. *Comparative Dental Morphology*. *Frontiers of Oral Biology* ,Basel: Karger.

Scott GR, CG Turner II. 2000. *The anthropology of modern human teeth*. Cambridge University Press.

Course No. **: ANT10403**

Title of the Course **: Prehistoric Cultural Pattern**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Earliest cultures (Primitive Hunter-gatherers): Bipedalism versus tool making- Evidence from Hadar, Laetoli, Olduvai Gorge, Koobi Forze, etc. Emergence of biface technology; olduwan and Acheulean from Europe, Africa, and Asia.	11	02	
Unit – II	Middle Palaeolithic cultures: Characteristic features and distribution in			

	Europe, Africa and Asia. Technological/economic implications of Evolution of flake tools. First human burials and emergence of rituals.	11	02	
Unit – III	Upper Palaeolithic cultures (Advanced Hunter-gatherers): Evolution of blade and burin technology; used of non-stone raw materials; habitations and economy; Emergence and development of Art.	11	02	
Unit – IV	Mesolithic cultures: Incipient cultivators; Post-Pleistocene environmental changes; Development of microlithic technology ; Beginning of agriculture and Emergence of Village farming way of life (Neolithic Revolution); Ecological perspective of early agriculture.	11	02	

Recommended Readings **:**

Bordes F. *The Old Stone Age*. London, Wein field and Nicolson.

Braidwood, Robert J., Gordon R. Willey (ed). 1962. Courses towards Urban life: Archaeological consideration of some cultural alternatives. Viking Fund Publication, no 32. Chicago, Aldine.

Buettner-Janusch, John. 1966. *Origin of Man.* John Willey & Sons, New York, London, Sydney.

Childe, Gordon, V. 1958. New Light on most Ancient East.

Clarke, Graham 1980 Mesolithic Prelude. Edinburgh University Press, Edinburgh.

Day, Michael, H. 2000. *Guide to Fossil Man.* The University of Chicago Press, Chicago.

Ember, Carol R. Ember, Melvin and Peregrine, Peter, N. Anthropology. Pearson Edition (Singapore) Pvt. Ltd. Indian Branch, New Delhi, Patparganj.

Gamble, Clive. 1986. *The Palaeolithic Settlement of Europe*.

Nikolova, L. 2002. *Material Evidence and Cultural Pattern in Prehistory*, Sofia-Karlovo: Saltlake City and Prehistory Foundation.

Ramireddy, V. 1991. *Neolithic and Post-Neolithic Cultures*, New Delhi: Mittal Publication.

Singh, Purishottom, 1974. *Neolithic Cultures of Western India*. Seminar Press Ltd. London. NW.

Tattersal, I. 1993. *The Human Odyssey*. Prentice Hall, New York.

AEC (Ability Enhancement Courses)

Credit = 2 (Any One)

Course No. **: ANT10501**

Title of the Course **: Anthropology of Sports**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Sports: its relation to anthropology. History and development of sports anthropology. Its relevance to Indian context. Traditional sports and games in India. Gender specific sports and games.	06	02	
Unit – II	Human physique and body composition and its role in sports participation. Physique in different sports and games. Racial variations in physical structure and participation in sports. Genetic constitution, physical fitness and sports performance. Energy and sports activities, food stuffs. Use of drugs (doping) in sports.	06	02	

Unit I: Unit II:

Recommended readings

Forbes, GB, 1987, Human Body Composition, Springer-Verlag, New York

Lohman, TG, 1992, Advances in Body Composition Assessment, Human Genetics, Champaign

Sheldon, WH, Stevens, SS and Tucker, WB 1940, Varieties of human Physique, Harper Grow, New York

Sodhi, HS, 1991, Sports Anthropometry, Anova Publishers, Mohali

Weiner, JS and Laurie, JA, 1969, Human Biology-A Guide to Field Methods

Course No. : **ANT10502**

Title of the Course : **Anthropology of Disaster Management**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Disaster, definition, classification- natural andman-made)floods, famines, earthquakes, epidemics, fire, chemical and nuclear leaks, wars, ethnic conflicts/violence), Disaster Management – response, recovery, re-construction, re-habilitation, mitigation, preparedness.	06	02	
Unit – II	Anthropological perspectives on disasters- cultural perception of disasters in different communities, belief system, folklore, proverbs,stories, etc., on disasters, indigenous ideas and methods of precautions and preparedness. Case studies: floods and erosion in Assam, ethnic clashes in North East India	06	02	

Recommended Readings:

Fernandes, Walter and Enakshi Ganguli (Eds). *Development, Displacement and Rehabilitation*

Gangopadhyay, T., and K.A.Mankodi,Rehabilitation : *The Ecological and Economic Costs*

Hoffman, Susanne, M., and Anthony Oliver Smith, 2001, *Catastrophe and Culture- The Anthropology of Disaster*, School of American Research Press, Santa Fe, New Mexico.

Keller, Stephen,L.,*Uprooting and Social Change*, Manohar Book Service, New Delhi.

Patnaik, S.M., 1996, *Displacement, Rehabilitation and Social Change*, Inter India Publications, New Delhi.

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

Semester – II

Details Syllabus of the MA/MSc. Programme in Anthropology under Choice Based Credit System

Core (fixed), Credit – 4 (Each Paper)

Course No. : **ANT20100**

Title of the Course : **Research Methodology**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Fieldwork and empirical tradition in Anthropology. Aims and Objective of Anthropological research.	11	02	
Unit – II	Methods and Techniques of Investigation : Ethnographic method, comparative method, geneaological method, case study and survey method. Research Design; exploratory, descriptive and experimental. Formulation of Hypothesis, research questions.	11	02	
Unit – III	Sources of Data: (a) Primary sources: observation, interview, key informant, schedule and questionnaire, life-history, focused group interview, scaling techniques, RRA, PRA, RAP, audio-visual recording. (b) Secondary sources: census, national sample survey, documents and records, maps, national and international reports (UNDP, World Bank, UNICEF, etc.).	11	02	
Unit – IV	Elementary Statistics: Sampling, classification and tabulation of data, variables, Frequency distribution, histogram and polygon.	11	02	

Recommended Reading **:**

Beteille, A. and T. N. Madan. 1975. *Encounter and Experience*. Vikas Publishing House, New Delhi.
Danda, Ajit. *Research Methodology in Anthropology*. Inter-India, New Delhi.
Evanch Pritchard, E.E. 1972. *Social Anthropology*. Routledge and Kegan Paul. London.
Foster, G. M. et al 1979. *Long term field Research in Social Anthropology*. Academic Press. New York.
Goode, W. J. and P.J. Hatt. 1952. *Methods in Social Research*. McGraw Hill Book Company, Auckland.
Murdock G.P ,*Outlines of Cultural Materials*. Human Relations Area Files, New Haven. CT.
Pelto, P. J. and Grefel H. Pelto. 1970. *Anthropological Research : The Structure of Inquiry*. Harper and Row, New York.
Royal Anthropological Institute of Great Britain and Ireland, Notes and Queries in Anthropology.
Sarana, G. 1975. *The Methodology of Anthropology*. The University of Arizona Press, New York.
Young, P.V. 1966. *Scientific Social Survey and Research*. Prentice Hall. Englewood Cliffs.

Course No. : **ANT20200**

Title of the Course : **Practical in Physical Anthropology**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Craniometry: The following linear and angular measurements are to be taken on TWO human skulls A. Direct Linear Measurements on Skull: 1. Maximum cranial length 2. Glaballa inion length 3. Nasion inion length 4. Maximum cranial breadth 5. Bi-Mastoid diameter 6. Bi-Auricular breadth 7. Maximum frontal breadth 8. Minimum frontal breadth 9. Bizygomatic breadth			

	10. Nasion Prosthion line 11. Nasal height 12. Nasal breadth 13. Orbital height 14. Maxillo-Alveolar length 15. Maxillo-Alveolar breadth 16. Palatal length 17. Platal breadth 18. Length of occipital foramen 19. Breadth of occipital foramen 20. Frontal chord 21. Parietal chord 22. Occipital chord 23. Auriculo-Bregmatic height 24. Basilo-Brogmatic height 25. Auriculo-Bregmatic height. B. Direct Liner Measurements on Mandible: 1. Bicondylar breadth 2. Bigonial breadth 3. Height of ramus 4. Length of lower jaw/Mandibular length C. Direct Angular Measurements on Skull and Mandible : 1. Facial profile angle 2. Nasal profile angle 3. Alveolar profile angle 4. Metopic angle 5. Calvarial base angle 6. Bregma angle of Schwalbe 7. Lambda angle of Schwalbe 8. Mandibular angle D. Linear Measurements on Sectional Drawing of Skull : (Craniographic Contour) 1. Basion-Bregma height 2. Nasion-inion line 3. Nasion-Basion line 4. Prosthion-Basion line 5. Nasion-Prosthion line 6. Nasion-Lambda line 7. Basion-Lambda line 8. Frontal chord			22

	9. Parietal chord 10. Occipital chord 11. Calvarial height 12. Lambda-Calvarial height 13. Frontal perpendicular 14. Lambda-Calvarial height 15. Occipital perpendicular E. Angular Measurements on Sectional Drawing of Skull : 1. Metopic angle 2. Facial profile angle 3. Nasal profile angle 4. Alveolar profile angle 5. Calvarial base angle 6. Occipital curvature angle 7. Profile angle of nasal roof 8. Frontal angle of Schwalbe 9. Bregma angle Schewalbe 10. Angle of facial triangle 11. Angles of cranial quadrilateral			
Unit – II	Osteometry: Osteometric measurements on ONE set (Two bones of both are to be taken (i) Clavicle : (a) Linear Measurements : 1. Vertical diameter in the middle 2. Sagital diameter in the middle 3. Girth in the middle 4. Breadths of curvature of shaft (b) Angles : 1. Two angles of curvature : Inner and outer (c) Index : 1. Caliber Index (ii) Scapula (a) Linear measurement 1. Anatomical breadth 2. Anatomical length. 3. Length of cranial border 4. Length of axillary border. 5. Projected breadth of spine 6. Anatomical breadth of Supra-Spinous line			22

	7. Anatomical breadth of Infra-Spinous line 8. Length of glenoid fossa. 9. Breadth of glenoid fossa (b). Angles : 1. Breadth-length angle 2. Supra-Spinous angle. 3. Infra-Spinous angle 4. Axillo- Spinal angle. (c). Index : 1.Scapula index. (iii). HUMERUS (a). Linear Measurements : 1. Maximum length 2. Breadth of proximal epiphysis 3. Epiphysis 4. Least girth of shaft 5. Epiphysis 6. Max. vertical diameter of head (b). Angles : 1. Torsion angle 2. Head-Shaft or Capito-Dia-physical angle 3. Condylo-Diaphysial or Trochlear angle (a) Index : 1.Caliber index (iv) RADUS (a). Linear Measurements : 1. Maximum length 2. Physiological length 3. Least girth of shaft 4. Transevers diameter of shaft 5. Sagittal diameter of shaft (b). Angle : 1.Collo-diaphysial angle (c). Indices : 1. Caliber Index 2. Cross-section index of shaft 3. Curvature index (v) ULNA (a). Linear Measurements : 1. Maximum length 2. Physiological length 3. Least girth of shaft			

	4. Breadth of olecranon 5. Height of elecranon 6. Thickncess of olecranon 7. Height of olecranon cap (b). Angles : 1.Olecranon-coronoid angle 2.Joint axis angle (c). Indices : 1. Caliber index 2. Curvature index 3. Olecranon cap index (iv) FEMUR (a). Linear Measurements : 1. Maximum length 2. Physiological length 3. Trochantric length 4. Sagittal diameter of middle shaft 5. Transverse diameter of mideleshaf 6. Upper sagittal diameter of shaft 7. Lower transverse diameter of shaft. (b). Angles : 1. Torsion angle 2. Collo-diaphysial angle 3. Condylo-diaphysial angle (c). Indices : 1. Pilastric index 2. Platymetric index i. Genetic markers : 1.Serology Students shall learn the following methods on FIVE individuals. 1.Standard method of testing ABO and Rh blood groups. 2.Estimation of Hb level. ii. Taste sensitivity to PTC : Students shall learn the method of finding the threshold value in respect of ability of tasting PTC on FIVE individuals. iii. Dermatoglyphics : (5 individuals) 1.Identification of finger patterns and ridge counting. 2.Tracing of the main line formula on the palm.			
Unit – III	Elementary methods in Bio-statistics: 1.Measures of central tendency: Mean, Median, Mode.			

	2.Standard deviation 3.Standard error 4.Co-efficient of variation 5.Test of significance : t test, Chi-square test			10

Recommended Reading **:**

Bhasin, M.K. & S.M.S. Chahal 1996. *A laboratory Manual for Human Blood Analysis.* New Delhi: K.R. Enterprises.

Cummin, H. and C. Midlo : 1961. *Finger Prints, Palms, and Soles : An Introduction to Dermatoglyphics.* New York : Dover Publication Inc.

Das, B.M. and R. Deka. 1992. *Physical Anthropology Practicals*. Allahabad : Kitab Mahal.

Fisher, R.A. *Statistical methods for research workers*. New York : Hafner Publishing.

Singh, I.P. and M.K. Bhasin. 1989. *Anthropometry.*Delhi : Kamala Raj Enterprise.

Sen, T. 1994. *Anthropology*. Calcutta : The World Press.

Weiner, J.S. and J.A. Laurie 1969. *Human Biology.*Oxford : Blackwell Scientific Publications.

Wilder, H.H. 1920. *Laboratory manual of Anthropology.* Philadelphia: P. Blariston's Sons and Co.

Course No. **: ANT20301 & ANT20302**

Title of the Course **: Practical in Prehistoric Archaeology & Ethnographic Fieldwork**

Course No. **: ANT20301 (Credit 2)**

Title of the Course **: Practical in Prehistoric Archaeology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.

Unit – I	Typo-Technological study and identification of some representative tools. Drawing and description of the following tools : (a) Palaeolithic (Lower, Middle &Upper Palaeolithic) Stone tools at least - 10 tools Bone tools at least - 4 tools (b) Mesolithic at least - 3 tools (c) Neolithic at least - 3 tools			15
Unit – II	Laboratory study of Prehistoric pottery – (a) Study of Pottery technique (b) Systematic representation of pottery types with the help of drawings. (c) Chronological, cultural & functional classification of pottery as prescribed below – (i) Neolithic pottery (ii) Chalcolithic pottery (iii)Harappan pottery			15

Course No. : **ANT20302 (Credit 2)**

Title of the Course : **Ethnographic Fieldwork**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
	Students are to undertake a field work for not less than 15 days in a Tribal or Caste village. They are to submit a typed report on the work done on certain topics that are assigned to them by the department. The plan of work shall of following nature:			

	(i) Relevance of Field work in Anthropology (ii) Village plan and general topographical study of the village. (iii) Description and general household census survey of the village. (iv) The student is required to carry out an analytical study of **Any One** of the following topics by case study method (in each case two cases are to be taken). 1. Family 2. Marriage 3. Kinship 4. Inheritance of property 5. Agriculture 6. Houser type and chattel 7. Village organization. 8. Religion (And any other topics which may be suggested by the Teacher In-charge)	04		15 days fieldwork

DSE, Credit – 4 (Any One)

Course No. : **ANT20401**

Title of the Course : **Anthropology of Religion**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Origin and theories of religion: Prehistoric, Protohistoric. Sacred Texts: Oral and written tradition,	11	02	

	mythologies and cultural transmission			
Unit – II	Symbolism in religion and cultural expression, as in performing and graphic art. Concepts of totem, pure, impure, pollution. Sacred Geography: Sacred complex	11	02	
Unit – III	Places of pilgrimage: local, regional, national levels. Pilgrimage tourism: new dimensions due to development of transport and communication. Impact of pilgrimage on behaviour, individual, family and community levels. Impact of technology on spread of religiosity: mass media like TV, audio tapes, specialized magazines and other literature; films.	11	02	
Unit – IV	Religion with binding functions and divisive tendencies in a National State. Studies in sacred complex: e.g.Kamakhya, Majuli (Satra), Sivasagar, Hajo,	11	02	

Recommended Readings

1. Lowie, R.H. Primitive Religion
2. Henry H. Presler Primitive Religions in India
3. Stephen Fuchs. Origin of Religion
4. De Waal Malefijt, Religion and Culture: An Introduction to Anthropology of Religion Annemarie.

5. Evans-Pritchard, E.E. Theories of Primitive Religion

Course No. **:ANT 20402**

Title of the Course **: Human Adaptation**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Definition, objectives and approaches to the study of human ecology, cultural and biological ecology, the variety of human eco-systems; man as a part of his environ, stress and strain.	11	02	
Unit – II	Acclimatization, adaptation, homoestatis; human adaptation to extreme heat, cold and high altitude; population variation in physiological responses to climatic stresses; body build and climatic adaptation.	11	02	
Unit – III	Nutritional requirements of humans, malnutrition, assessment of nutritional status, genetic views and genetic potential theory, cultural and biological evolutionary aspects of human nutrition.	11	02	
Unit – IV	Infectious diseases: Nature of infectious diseases, cultural evolution and diseases, human adaptability and diseases, co-existence of people and disease.	11	02	

***Recommended Reading* :**

Baker, P.T. and J. S. Welner. 1966. *The Biology of Human Adaptability*. Oxford: Clarendron Press.

Baker, P.T. 1978. *The Biology of High Altitude Peoples*. Cambridge: University Press.

Damon, A. 1975. *Physiological Anthropology*. New York: Oxford University Publication.

Frisancho, A. R. 1981. *Human Adaptation*. Ann Arbor: University of Michigan Press.

Hardesty, D. L. 1977. *Ecological Anthropology*. New York: Wiley.

Harrison, G. A.; J. M. Tanner; D. R. Pilbeam and P.T. Baker. 1990. *Human Biology*. Oxford: University Press.

Johnson, F. E. 1987. *Nutritional Anthropology*. New York: Liss.

Little, M. A. and J. D. Haas. 1989. *Human Population Biology*. New York: Oxford University Press.

Moron, E. F. 1979. *Human Adaptability*. California: Wodsworth.

Moron, E. F. 1984. *The Ecosystem Concept in Anthropology*. Colorado: Westview Press.
Odum, H. T. 1971. *Environment, Power and Society*. New York: Wiley.
Osman, S. 1992. *Nutrition and Poverty*. Oxford: Clarendon Press.
Peters, R. H. 1983. *Ecological Implications of Body Size*. Cambridge: University Press.
Roberts, D. F. 1978. *Climate and Human Variability*. California, Cumming.

Course No. : **ANT20403**

Title of the Course : **Prehistory of South and Southeast Asia**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Palaeolithic cultural developments – Choukoutien of China, Anyathian, Patjitanian, Tampanian, Soanian and Madrasian cultural developments.	11	02	
Unit – II	Hoabinhian cultural development in South-east Asia; Early Holocene cultures in India (Mesolithic culture); Final Hunter – gatherers and incipient cultivators.	11	02	
Unit – III	Evolution of Food producing cultures in South-east Asia; Early food producing cultural patterns in India with special reference to North East India.	11	02	
Unit – IV	Emergence of village farming way of life (Neolithic Revolution), Origin and development of Chalcolithic cultures in India and its socio-economic dimensions.	11	02	

Recommended Reading **:**

Chisholm, I. 1975. *Human Geography: Evolution or Revolution?* Harmondsworth: Penguin.
Fagan, B. M. 1991b. *Archaeology : A Brief Introduction*. (4th ed) New York: Harper Collins.
---------- 1992. *People of the Earth: An Introduction to World Prehistory.* New York:Harper Collins.
Foley, Robert. 1995. *Humans Before humanity.* Blackwell, Oxford.
Johanson, Donald & Maitland Edey. 1981. *Lucy: The Beginnings of Humankind.* New York:Simon & Schuster.
Johanson, D. Lenora, Johanson, & Blake Edgar. 1994. *Ancestors: In Search of Human Origins.* New York: Villard Books.
Lewin, Roger. 1987. *Bones of Contention.* New York:Simon & Schuster.
---------- 1993. *Human Evolution 3rd ed.* Oxford:Blackwell Scientific Publication.

Mcbryde, I. 1985c. *Who owns the Past?* Melbourne:Oxford University Press.
Nitecki, M.H & V. Nitecki. 1994(ed). *Origins of Anatomicaly Modern Humans.* New York:Plenum Press.
Schrire, C. 1984. *Past and Present in Hunter-Gatherer Studies.* New York: Academic Press.
Stringer, Christopher & Robin Mckie. 1997. *African Exodus: The Origins of Modern Humanity.* New York: Henry Holt.
Stringer, Christopher & Paul Mellars. 1989-1990. *The Human Evolution, 2 Vols.* Edinburgh:Edinburgh University Press.
Tattersall, Ian. 1996. *The fossil Trail: How We Know What We Think We Know About Human Evolution.* New York:Oxford University Press.
Wheeler, R.E.M. 1954. *Archaeology from the Earth.* Oxford: Oxford University Press.
White, Randall. 1986. *Dark Caves and Bright Visions.* New York: American Museum of Natural History.
Wilson, D. 1976. *Prehistoric Man: Research into the Origins of Civilization in the Old World and the New World. 3rd ed.* London:Macmillan.

Generic Elective, Credit – 4 (Any One)

(For Students from Other Departments)

Course No. : **ANT20501**

Title of the Course : **Applied Anthropology**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Nature, aim and scope of Applied Physical Anthropology. Brief history and development of Applied Physical Anthropology. Application of Anthropometry: making clothing, footwear, furniture, automobile, defense equipment, selecting defense personnel, games and sports, dentistry, surgery.	11	01	
Unit – II	Application of human genetics: Medico-	11		

	legal aspects, genetic counseling, eugenics, genetic screening, genetic engineering.		01	
Unit-III	Applied, action and development Anthropology : History of development of Applied social and cultural Anthropology, its role in the colonial era and its changing role in the contemporary developing societies.	11		
Unit-IV	Application of Anthropological knowledge in the field of Administration, industry, agriculture, education, medicine and public health.	11		

Recommended reading **:**

Foster, G.M. *Traditional Cultures : Impact of technological changes*.

Kroeber, A.L. 1954. *Anthropology Today*. Chicago : Univ. of Chicago Press.

Mathur H.M. 1977. *Anthropology in the Development process*. Vikash Publishing House, New Delhi.

Scharumann, B.&M.Alter, 1976. *Dermatoglyphics in Medical Disorders*. New York : Springer Verlag.

Singh, S.P. and P. Malhotra 1989. *Kinanthropometry*. Patiaala : Lunar Publications.

Sodhi, M.S. 1991. *Sports Anthropology*. Mohali :Anovav Publications.

Vidyarthi, L.P. B.K. Verma 1963. *Some aspects of Applied Physical Anthropology*. Ranchi : CSCR

Vidyarthi, L.P. 1968. *Applied Anthropology in India*. Allahabad : Kitab Mahal.

Semester – III

Details Syllabus of the MA/MSc. Programme in Anthropology under Choice Based Credit System

Core (fixed), Credit – 4 (Each Paper)

(Compulsory)

Course No. **: ANT30100**

Title of the Course **: Ecological Anthropology (Biological and Cultural)**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Definition, objectives, approaches to the study of human. Variety of human ecosystem. Acclimatization, adaptation, homeostasis.	11		
Unit – II	Man's adaptation in stress condition – high altitude, cold, heat, infectious diseases and nutritional requirements.	11		
Unit – III	Definition, objectives, and method of Cultural Ecology. Approach of Julian Steward. Disaster management.	11		
Unit - IV	Relationship between culture and ecology. Ecosystem, ethno-ecology, population ecology, and indigenous vision.	11		

Recommended Reading :

Baker, P.T. 1978. *The Biology of High Altitude Peoples*. Cambridge: University Press.

Baker, P.T. and J.S.Weiner. 1966. *The Biology of Human Adaptability*. Oxford: Clarendon Press.

Bhasin V. and M.K. Bhasin. 2007. *Anthropology Today.* New Delhi: Kamla Raj Enterprise.

Chapman, J.L. and M.J.Reiss. 1994. *Ecology: Principles and Applications*. Cambridge: Cambridge University Press.

Damon, A. 1975. *Physiological Anthropology*. New York: Oxford University Press.

Friscancho, A.R. 1981. *Human Adaptation*. Ann Arbor: University of Michigan Press.

Harrison, G.A. and H.Morphy. 1998. *Human Adaptation*. Oxford: Oxford University Press.
Harrison, G.A. *et al*. 1988. *Human Biology*. Oxford: Oxford University Press.
Himes, J.H. (ed.) 1991. *Anthropometric Assessment of Nutritional Status*. New York: Wiley-Liss.
Johnson ,F.E. 1987. *Nutritional Anthropology*. New York: Wiley-Liss.
Little, M.A. and J.D. Haas. 1989. *Human Population Biology*. New York: Oxford University Press.
Malik, S. L. and D. K. Bhattacharya. 1986. *Aspects of Human Ecology*. New Delhi: Northern Book Centre.
Marten, G. G. 2001. *Human Ecology*. London: Stylus Publishing.
Mascie-Taylor, C.G.N. and B. Bogin. 1995. *Human Variability and Plasticity*. Cambridge: Cambridge University Press.
Moran, E.F. (ed.) 1990. *The Ecosystem Approach in Anthropology.* Michigan: University Press
Pelto, G.H., P.J. Pelto and E. Messer(eds.). 1989. *Research Methods in Nutritional Anthropology*. Tokyo: The UN University.
Roberts, D.F. 1978. *Climate and Human Variability*. California: Cumming.
Sukhatme, P.V. (ed.) 1982. *Newer Concepts in Nutrition and Their Implications for Policy*. Pune: Maharashtra Association for the Cultivation Sciences Research Institute.
Ulijaszek, S.J. and S. Strickland. 1993. *Nutritional Anthropology: Prospects and Perspectives*. London: Smith Gordon.
Willet, W. 2006. *Nutritional Epidemiology*. Oxford: Oxford University Press.
Bhasin V. and M.K. Bhasin. 2007. *Anthropology Today.* New Delhi: Kamla Raj Enterprise.
Chapman, J.L. and M.J.Reiss. 1994. *Ecology: Principles and Applications*. Cambridge: Cambridge University Press.
Moran, E.F. (ed.) 1990. *The Ecosystem Approach in Anthropology.* Michigan: University Press
Malik, S. L. and D. K. Bhattacharya. 1986. *Aspects of Human Ecology*. New Delhi: Northern Book Centre.
Marten, G. G. 2001. *Human Ecology*. London: Stylus Publishing.

Any one set from the following:

SET-1 (4 + 4 Credits)

Course No. **: ANT30201**

Title of the Course **: Formal Genetics**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Concept of gene, Watson-Crick model of DNA structure, role of mRNA and rRNA, genetic code, human DNA polymorphism,	11	02	

	evidence of human evolution from mtDNA and Y chromosomal DNA haplogroups, neutral theory and its reconciliation to synthetic theory.			
Unit – II	Methods of studying heredity, Mendel's principles of inheritance – dominant, recessive, autosomal and sex-linked genes, sex-controlled and limited genes, sex determination, Lyon hypothesis.	11	02	
Unit – III	Laws of equilibrium and probability in human genetics - ABO, MN and Rh systems, - marriage patterns and their genetic consequences in human populations.	11	02	
Unit – IV	Concept of genetic variation, causes of genetic variation between and within human populations with special reference to the role mutation, selection, genetic drift, isolation and gene flow.	11	02	

***Recommended Reading**:*

Barua, S. 2002. *Human Genetics.* Kolkata: Classique Books.

Boyce, A. J. and C. G. N. Mascie-Taylor. 1996. *Molecular Biology and Human Diversity*. Cambridge: Cambridge University Press.

Cavalli-Sforza, L. L. and W.F.Bodmer. 1971. *The Genetics of Human Population*. San Francisco: WH Freeman & Co.

Cavalli-Sforza L.L., et al. 1994. *The History and Geography of Human Genes*. Princeton: Princeton University Press.

Conroy Glenn C. 1997. *Reconstructing Human Origins: A Modern Synthesis.* New York: London: W.W. Norton & Company.

Crawford, M.H. (ed.). 2006. *Anthropological Genetics*. Cambridge: Cambridge University Press.

GisliPalson 2007. *Anthropology and the New Genetics*. Cambridge: Cambridge University Press.

Griffiths, A. J. F., W.M.Gelbart, J.H.Miller and R.C.Lewontin. 1999. *Introduction to Genetic Analysis*, 7th edition. New York: W H Freeman & Co

Harrison, G. A. and A.J.Boyce.1972. *The Structure of Human Population*. Oxford: Clarendon Press.

Hartl, D.L. 1983. *Human Genetics*. New York: Harper & Row.

Hedric, P.W. 1999. *Genetics of Populations*, 2nd edition. Massachusetts: Jones and Bartlett Publishers.

Kimura, M. 1983. *Neutral Theory of Molecular Evolution*. Cambridge: Cambridge University Press.

Malhotra, K. C. (ed.). 1988. *Statistical Methods in Human population Genetics*. Kokata:ISI

Maxson, L.R. and C.H.Daugherty. 1992. *Genetics: A Human Perspective*, 3rd edition. Kerper: Wm Charles Brown Publishers

Race, R.R. and R.Sanger. 1973. *Blood Groups in Man*. Oxford: Blackwell Scientific.

Relethford, J.H. 2001. *Genetics and the Search for Modern Human Origins*. New York: Singapore: Wiley-Liss
Rothwell, N.V. 1976. *Human Genetics*. New Delhi: Prentice Hall Pvt. Ltd.
Vogel, F. and A.G.Motulsky. 1986. *Human Genetics: Problems and Approaches*. Berlin: Springer-Verlag.

Course No. **: ANT30202**

Title of the Course **: Population Genetics**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Population Genetics : Definition, aim and scope. Hardy Weinberg Law. Breeding population, mating pattern.	11	02	
Unit – II	Consanguinity and inbreeding, miscegenetion, genetic load, selection and genetic polymorphism. Human blood group system : ABO, MNS, Rh Factor, ABH Secretion, Histocompatibility antigen(HLA).	11	02	
Unit – III	Biochemical variation in man : Normal and variant haemoglobin - Hb.S., Hb.C., and Hb.E., and Thalassaemia; Haptoglobin, Group specific component and G6PD deficiency.	11	02	
Unit – IV	Role of Natural selection in maintenance of abnormal genes in human populations with special reference to Hb.S., and Hb.E.	11	02	

Recommended Reading **:**

Cavalli Sforga, L.T. and W.F. Bodmer 1971. *The Genetics of Human Populations*. San Francisco: W.H. Freeman and Co.
Crow J.F. and M. Kinura 1970. *An Introduction to population genetic theory*. New York : Harper and Row.
Livingstone, F.B. 1967. *Abnormal haemoglobins in Human Populations*. Chichago : Aldine.
Mettler, L.E. and T.G. Gregg 1969. *Population Genetics and Evolution*. New Jersy: Prentice Hall Inc.
Race, R.R. and R. Sanger 1959. *Blood groups in Man*. Springfield : Charles C. Thomas.
Rothwell N.V. 1978. *Human Genetics*. New Delhi Prentice Hall Pvt. Ltd.
Stern, C. 1973. *Principles of Human Genetics*. San Fransisco : W.H. Freeman and Co.

SET-2 (4 + 4 Credits)

Course No. **: ANT30301**

Title of the Course **: Development of Anthropological Thought**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Introduction: What is theory? Importance of theory, theory and model, theory and concept, theory and hypothesis, theory and law.	11	02	
Unit – II	Theories in Anthropology I: Classical Evolutionism – Tylor, Frazer and Morgan, Historical and Particularism – Boas, Diffusionism – Smith, Perry, Rivers, Ratzel, Frobenius, Schmidt, Wissler and Kroeber, Functionalism – Malinowski, Culture and Personality – Benedict, Mead and Cora Du-Bois.	11	02	
Unit – III	Theories in Anthropology II: Neo-Evolutionism – Childe and Steward, Structural-functionalism – Radcliffe-Brown, Firth and Nadel; Structuralism – Levi-Strauss and Leach.	11	02	
Unit – IV	Theories in Anthropology III: Cognitivism – Goodenough, Symbolism and Interpretivism- Schneider, Turner, Douglas and Geertz; Post-modernism – Clifford, Marcus and Tyler.	11	02	

***Recommended Reading**:*

Barnard, A. 2000. *History and Theory in Anthropology.* Cambridge: University Press.

Black, Thomas R. 1999. *Doing Qualitative Research in the Social Sciences.* London: Sage.

Bloch, M. 1991. *Language, Anthropology and Cognitive Science.* Man. 26 (2): 183-98.

Charon, j. 1992. *Symbolic Interactionism.* New Jersey: Prentice hall.

Clifford, J. and G. Nancus. 1986. *Writing Culture: the Poetics and Politics of Ethnography*. Berkeley: Univ. of California Press.

Ember, C.R and M. Ember. 1981. *Anthropology.*III[rd] ed. NJ: Prentice-hall.
Evans-Pritchard, E. 1981. *History of Anthropological Thought*. New York: Basic Books.
Geertz, C. 1974. *Myth, Symbol and Culture*. New York:W. W. Norton.
Geertz, C. 1993. *The Interpretation of Culture.* New York: Fontana Press.
Goode, W.J. 1973. *Explanation in Social Theory.* New York: OUP.
Harris, Marvin. 1968. *Rise of Anthropological Theory*. London: Routledge and Kegan Paul.
Hastrup, Kristen. 1995. *A Passage to Anthropology: Between Experience and Theory.* London: Routledge.
Hastrup, Kristen and Peter Hastrup. 1994. *Social Experience and Anthropological Knowledge.* London: Routledge.
Kaplan, D and R. Manners. 1968. *Theory in Anthropology*. London: Routledge & Kegan.
Kuper, A. 1975. *Anthropologist and Anthropology.* Middlesex: Penguin.
Layton, Robert. 1998. *An Introduction to Theory in Anthropology.* Cambridge: University Press.
Leach, E.R. 1954. *Political Systems of Highland Burma*. Boston: Beacon Press.
Lewie, R.H. 1937. *The History of Anthropological Theory.* New York: Rinehart.
Levis-Strauss, c. 1963. *Structural Anthropology*. New York: Basic Books.
Mann, R.S. 1984. *Anthropological and Sociological Theory.* Jaipur: Rawat.
McGee, R.J and R.L.Warms. 1996. *Anthropological Theory.* London: Mayfield Pub.
McNeil, Patrick. 1990. *Research Methods.* London: Routledge.
Radcliffe-Brown, A.R. 1952. *Structure and Function of Primitive Society*. London: Routledge & Kegan.
Rose, Dan. 1990. *Living the Ethnographic Life.* London: Sage Publications.

Course No. : **ANT30302**

Title of the Course : **Social Change and Development**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Concept of change, development and social movement and their relationship. Change and revolution, growth and development. Indices of development.	11	02	
Unit – II	Methods of studying change: Historical method, comparative method, Synchronic and diachronic method. Use of control.	11	02	
Unit – III	Planning and development in India – rural and urban context. Micro and macro planning, Application of anthropological knowledge in planning and development; Constitutional provisions and legislative measures for development of tribal and backward communities.	11	02	
Unit – IV	Emerging issues of development in Northeast India: Ethnicity, inequality, insurgency, look east policy and regionalism.	11	02	

Recommended Readings :

Ao, S. 1967. *Report of the study team on tribal development programme*. New Delhi : Govt. of India.

Berdichewsly, B. 1979. *Anthropology and social change in rural areas*. The Hague: Mouton.

Borpujari, H.K. *Political History of Assam*.

Chaudhuri, B. 1990. *Tribal development in India : Problems and prospects*. New Delhi : Inter-India.

Chandrasekhr, B.A. *Models for planning in India*.
Cochrane, G. 1971. *Development Anthropology*. New York : Oxford University Press.
Dhebar, U.N. 1961. *Report of the Schedule Tribe Commission*. New Delhi : Govt. of India.
Dube, S.C. *India's changing villages : Human factors in community development*.
Dube, S.C. 1974. *Contemporary India and its modernization*. New Delhi : Vikas.
Elwin, V. 1959. *A Philosophy of NEFA*, Shillong. Govt. Printing
Eisenstalt, S.M. 1976. *Modernization, protest and change*, New Jersey : Prentice Hall.
Kuppuswamy, B. 1982. *Social change in India*. New Delhi : Vikas.
Levine, R.A. 1985. *Culture Theory*. Cambridge : Univ. Press.
Lyngdoh, I.K. 1981. *Social change in the Khasi Hills*. Shillong : NEHU.
Mibang, T. 1994. *Social change in Arunachal Pradesh*, New Delhi :Omsons.
Joshi, P.C. *Development Perspective in India*.
Mair, L. 1984. *Anthropology and Development*. London : Macmillan Press.
Malhotra, R. 1992. *Anthropology of Development*. New Delhi : Mittal Publications.
Mathur, H.M. 1977. *Anthropology in Development Process*. New Delhi : Vikas.
Madan, G.R. *India's Social Problems* (Vol.I&II).
Pathy, J. 1987. *Anthropology and Development*. Delhi : Gyan Publications.
Pilt-David, C. 1976. *Development from Below : Anthropologists and development situation*. The Hague: Mouton.
Rao, M.S.A. 1979. *Social movement in India*. Vols. I & II, Delhi :Monohar concept.
Sachchidananda. 1988. *Social change in village India*. New Delhi ;
Sharma, B.D. *Planning and Tribal Development*.
Singh, B. 1998. *Tribal Self-Management in North-east India*. New Delhi Inter-India Publications.
Singh, Y. 1993. *Social change in India*. New Delhi : Har Anand.
_____1994. *Modernization of Indian Tradition*. New Delhi : Orient Longmen.
Singh, K.S. *Tribal Movements in India*. Vol.I& II. Delhi:Monohar Concept.
Spicer, E.H.(ed). *Human Problems in Technological Change*.
Subb, T.B. 1992. *Ethnicity, State and Development*. New Delhi : Vikas.
The Constitution of India (any standard edition).
Vidyarthy, L.P. 1980. *Applied Anthropology and Development*. New Delhi: National Publication.
Wilson, J. 1973. *Introduction to Social movements*. New York : Basic Books.

SET-3 (4 + 4 Credits)

Course No. **: ANT30401**

Title of the Course **: Theory and Methods in Archaeology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical
Unit-I	History of Archaeological research, Archaeological Data and Records : Culture			

	History, New Archaeology, Post- Processual Archaeology; Artifact, Features, Structures, Eco-facts, Sites, Industry, Assemblage, Culture, Tradition, Region, Associated Finds.	11	02	
Unit-II	Archaeological Research : Problem, Scope and Limitation, Research Design, Model Building, Hypothesis; Systematic Documentation/ Recording, Analysis, Interpretation, Report preparation.	11	02	
Unit-III	Methods of Exploration and Excavation : Location and Identification of Archaeological sites, Scientific Techniques used in Exploration, Exploration and Excavation Kit, Remote Sensing, Aerial Photography; Trial Trench, Vertical and Horizontal Excavation.	11	02	
Unit-IV	Pottery/Ceramic Technology : Micro-studies and Chemical Analysis of Artifacts and Sediments	11	02	

Recommended Readings:

Chester, S. Chard .1975. *Man in Prehistory*, McGraw Hill, NewYork.

Crawford, O.G.S. 1954. *Archaeology in the Field*, Phoenix House, London.

Fagan, Brian M. 1988. *In the Beginning - An Introduction to Archaeology*, Scott, Foresman and Company, Glenview, Illinois Boston, London.

Hole and Heizer Robert F. 1966. *An Introduction to Prehistoric Archaeology*, Holt, Rinehart & Winston, New York.

King, Thomas F. 1978. *The Archaeological Survey: Methods and uses,* U.S. Department of the Interior, Washington, D.C.

Rye, Owen S. *Technology –Principle and Reconstruction*, Taraxacum, Washington.

Srivastava K.M. 1982. *New Era of Indian Archaeology*,Cosmo Publications, New Delhi.

Webster, Graham. 1974. *Practical Archaeology: An Introduction to Archaeological Field-Work and Excavation*, (2nd edition), Adam and Charles Black, London.

William S.D. 1985. *Archaeological Field Methods: An Introduction*, Surjeet Publications, Delhi - 110007

Wheeler, Sir Mortimer. 1956. *Archaeology from the Earth*,Penguin Books, Baltimore.

Course No. **: ANT30402**

Title of the Course **: Prehistoric Economic Patterns**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Social and economic approach in archaeological studies- sources of food; botanical and zoological evidences; Natural and domesticated food; Storage and Preservation; Seasonal subsistence cycle; plants, animals, and aquatic foods; Evidence from butchering site and kitchen middens (rubbish); Pattern of prehistoric trade- trade goods and standard of exchange.	11	02	
Unit – II	Socio-archaeology: Evolutionary theories in Ethnography; Settlement Archaeology, Ethno archaeology, New Archaeology, Action Archaeology; Cultures in Archaeology, Sociological interpretation of Archaeological data; Social evolution in Prehistory – from Savagery to Civilization.	11	02	
Unit – III	Reconstruction of Prehistoric life ways. Demography in Prehistoric times – Determination of Prehistoric Population size; Size and number of houses, size of settlements, number of burials, ceramic inventories, ecological consideration; Demonstrating changes in population.	11	02	
Unit – IV	Environmental changes and cultural adaptation. Upper Palaeolithic revolution, Palaeolithic art and Neolithic revolution, Early Holocene (Post-glacial) period; Urban origin in Near Eastern flood plains and India; Agricultural origin in South and Southeast Asia; Human impact on	11	02	

	Environment; Interdependence of biological and cultural evolutions.			

***Recommended Reading*:**

Allchin, Raymond. 1995. *The archaeology of Historic South Asia.* Cambridge University Press, Cambridge, England.

Bender Barbara, *Prehistoric farming*.

Binford, L, R. 1972. *An Archaeological Perspective.* Academic Press, New York.

Brain, C.K.1981. *The Hunters Or the Hunted? An Introduction to African Cave Taphonomy.* University of Chicago Press, Chicago.

Bramwell, M. 1973. *Atlast of world Wildlife.* Rand MacNally, New York.

Butzer, K.W.et al. 1975. *After the Australopithecines: Stratigraphy, Ecology and Cultural Change in the Middle Pleistocene.* Aldine, Chicago.

Carter, G.F. 1975. *Man and the Land: A Cultural Geography.* Holt, Rinehart and Winston, New York.

Casteel, R.W. 1976. *Fish remains in Archaeology and Palaeoenvironmentalstudies.*Academic Press, New York.

Chakrabarti, D.K. 2006. *The Oxford Companion to INDIAN ARCHAEOLOGY. The Archaeological Foundations of Ancient India Stone Age to A.D 13th Century.* Oxford University Press, YMCA Lib. Building, Jai Singh Road, New Delhi.

Chaplin, R.E. 1071. *The Study of Animal bones from Archaeological sites.* Seminar Press, London.

Childe, V. Gordon. 1956. *Man Makes Himself.* Watts, London.

---------- 1939. *The Dawn of European Civilization.* 3rd ed. London, Kegan Paul.

---------- 1951. *Social Evolution.* Schuman, New York.

Cohen, Mark 1988. *Health and the Rise of Civilization.* Yale University Press, New York, CT.

Cunliffe, Barry 1996. *The Oxford Illustrated Prehistory of Europe.* Oxford University Press, Oxford.

Gabel, Greighton. 1967. *Analysis of Prehistoric economic Patterns.* Holt, Rinehart and Winston, London.

Haris, David and Gordon Hillman 1989. *Farming and Foraging.* Oxford: Clarendon press.

Hodder I, Theories in Archaeology

Keightley, David 1983. *The Origins of Chinese civilization.* University of California Press, Berkeley and Los Angeles.

Leakey, M. 1984. *Disclosing the Past.*Doubleday, new York.

Lubbok, J. (Lord Avebury) 1865. *Prehistoric Times, as Illustrated by Ancient Remains and the Manners and Customs of Modern savages.*Williams and Norgate, London.

---------- 1869. *Prehistoric Times. 2nd ed.*Williams and Norgate, London.

---------- 1870. *The Origin of Civilization and the Primitive Condition of Man.*Longmans, Green, London.

MacNeish, R.S. 1978. *The Science of Archaeology ?*Duxbury Press, North Scituate, Massachussets.

Martin, Paul and Rechard Klein. 1984. *A Pleistocene revolution.* University of Arizona Press, Tucson.

Price, Douglas and James Brown. 1985. *Complexity Among Prehistoric Hunter-Gatherers.* Academic Press, Orlando, FL.

Renfrew, A.C. 1973a. *Before Civilization: The Radiocarbon Revolution and Prehistoric Europe.* Cape, London.
Renfrew, A.C, M.J. Rowlands and B.A Seagraves (ed). 1982b. *Theory and Explanation in Archaeology* .Academic Press, New York.
Sahlin, Marshall. 1977. *Stone Age Economics.* Aldine, Chicago.
Smith, R. B and W, Watson. 1979(ed). *Early South East Asia.* Oxford University Press, Oxford, England.
Singer et al., *Prehistoric Technology*
Struever, Stuart. 1971. *Prehistoric Agriculture.* Natural History Press, Garden City, New York.

DSE, Credit – 4 (Any One)

Course No. **: ANT30501**

Title of the Course **: Forensic Anthropology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Definition, aim and scope of Forensic Anthropology. Anthropological definition of crime, collection of anthropological documents, protection and preservation of evidence/document, Photography and sketching.	11	02	
Unit – II	Establishment of Identity: Identification in mass disaster, personal identity, identity marks, sex, deformatives. Partial or complete identity, identification through skeletal remains – study of human skeleton including Dentition, comparison between human and non human skeletal remains – study of fragmentary and burnt bones, determination of age, sex and ethnic group, Reconstruction of stature from skeletal remains.	11	02	
Unit – III	Dermatoglyphics in Forensic Anthropology. Importance of Dermatoglyphics in Forensic Science, Classification of finger, palm, sole &	11	02	

	print. Techniques of lifting, tracing and developing fingerprints. Details of Ridge character analysis.			
Unit – IV	Biological study of body fluids - Blood, saliva for personal identification. Somatometry and Somatoscopy in personal identification.	11	02	

Recommended Reading :

Bridges. 1963. *Practical Finger Printing*. Funk & Wagnall.
Chaurasia, B. D. 1983. *Handbook of general anatomy*. Delhi : CBS.
Cummins &Midlo. 1961. *An Introduction to Dermatoglyphics*, Glakiston: Philadelphia.
El-Najjar, M.Y. and K.R. Mcwilliams. 1978. *Forensic Anthropology*. Springfield : Thomas.
Janaway, R.C. et. al. 1996. *Studies in Crime: An Introduction to Forensic Archaeology*, B.T. Batsford London.
Kind, Stuuart and Michael. 1972. *Science Against Crime*, New York: Doubleday.
Krogman, W. M. 1962. *The Human skeleton in Forensic Medicine*. Springfield: Thomas.
Nath, S. 1989. *An introduction to forensic anthropology*, New Delhi: Gian.
Steward, T. D. 1979. *Essentials of Forensic Anthropology*. Springfield: Thomas.

Course No. **: ANT 30502**

Title of the Course **: Medical Anthropology**
(Community Health and Ethnomedicine)

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Medical Anthropology: Concept, Aim & Scope. Bio-cultural approach to Medical Anthropology. Biology, health and Disease. Importance of Genetics in Health care, Life style and diseases. Community health programme. Nutrition, diet and disease: Malnutrition– biosocial implications. Nutritional status and susceptibility to infectious disease. Nutritional deficiency diseases and epidemiology.	11	02	

Unit – II	Health of women and elderly: Reproductive health: Meaning and definition. Reproductive health situation in India. Reproductive Health Service Programme. Ageing and Longevity: meaning, process of ageing, factors affecting ageing and longeivity, bio-cultural problems of aged people. Nutrition and illness in the aged. Welfare for the aged.	11	02	
Unit – III	Ethno-medicine: Meaning and scope, ethnomedical practices in India, traditional healers and their predicaments, ethno-psychiatry, normality and abnormality, culture-bound psychological disorders and cultural healing of psychological disorders.	11	02	
Unit – IV	Medical Pluralism in India: Ayurveda, Siddha, Unani, Naturopathy, Homeopathy and Allopathic medical practices, co-existence of different medical systems. Epidemiology of certain common diseases in India (with special reference to Northeast India): malaria, tuberculosis, leprosy, diabetes, cardio-vascular diseases and STD/AIDs.	11	02	

Recommended Readings:

Harrison, G.A., 1990. *Diet and Disease in Traditional and Developing Societies*, Cambridge University Press.

Jerome, N; W.Rande, F. Kandel and G.H.Pelto, 1980, *Nutritional Anthropology: Contemporary Approach to Diet and Culture*. New York : Redgrave Publishing Co.

Kleinman, A., 1980. *Patients and healers in the context of culture: An exploration of the borderland between Anthropology, Medicine and Psychiatry*. University of California Press, Berkeley.

Mahadevan, K and others, 1999, *Reproductive Health of Humankind in Asia and Africa*. Delhi: B.R. Publications.

Paul, B.D., 1965. *Health,Culture and Community,* New York: Russell Sage Foundation.

Polgar, S., 1963, Health action in Cross-cultural Perspectives. In *Hand Book of Medical Sociology*. H.E. Freeman et.al. (Eds). Prentice-Hall, Englewood Cliffs, New Jersey.

Read, M., 2003. *Culture, Health and Disease*. Tabiscope Press.

Basu, S. 1994. *Tribal Health in India.* Delhi: Manak Publications.

Budd, Susan and Ursula Sharma. 1994. *The Healing Bond: The Patient-Practitioner Relationship and Therapeutic Responsibility*. London: Routledge.

Caudill, W. 1953. *Applied Anthropology in Medicine.* Chicago: University of Chicago Press.

Chaudhuri, B. 1986. *Tribal Health: Socio-Cultural Dimensions*. New Delhi: Inter-India Publication.
Foster, G.M. 1978. *Medical Anthropology*. New York: John Wiley.
Freund, P.E.S and M. McGuire. 1995. *Health, Illness and the Social Body*. NJ: Prentice-Hall.
Good, Byron J. 1993. *Medicine, Rationality and Experience: An Anthropological Perspective*. Cambridge: Univ. Press.
Jose, Boban K. 1998. *Tribal Ethnomedicine: Continuity and Change*. New Delhi: APH Publishing.
Landy, D. 1977. *Culture, Disease and Healing*. New York: Macmillan.
Leslie, C. 1976. *Asian Medical Systems*. Berkeley: University of California Press.
Ohtsuka, R. and S.J. Ulijaszek (eds.). 2007. *Health Change in Asia-Pacific Region*. Cambridge: Cambridge University Press.
Paul, B.D. 1955. *Culture, Health and Community*. New York: Russel Sage Foundation.
Read, M. 1966. *Culture, Health and Disease*. London: Tavistock Publications.
Singh, B. and N. Mahanti. 1995. *Tribal Health in India*. New Delhi: Inter-India.
Worsley, P. 1982. `Non-Western Medical Systems'. *Annual Review of Anthropology*, 11.
Young, A. 1982. `The Anthropology of Illness and Sickness'. *Annual Review of Anthropology*, 11.

CourseNo. **:ANT 30503**

Title of theCourse **: Prehistory of India**

Name ofCourseTeacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Introduction-Hominid Fossils Finds from Hathnora, Nadah, Odai:Earliest Stone Tools in India.	11	02	
Unit – II	Palaeolithic Evidence of India- Palaeolithic Sites of North Western Frontier (Sanghao Cave, Soan Valley), Himalayan and Sub-Himalayan areas(Kashmir, Ladakh, Jammu,HimachalPradesh,Punjab), Rajesthan(Banas, Barach, Luni Valleys), Madhya Pradesh(Bhimbetka, BaghorI),Andhra Pradesh(Nagar	11	02	

	Junakonda) North Eastern areas(Assam,Tripura, Arunachal Pradesh, Nagaland,Manipur,Mizoram): Environment; Industries;Chronology; General way of life.			
Unit – III	Mesolithic Evidence of India- Mesolithic Sites of Bagor,Adamgarh,Baghor II, Lekhahia,BaghaiKhor,ChopaniMando,Sarai Nahar Rai,Mahadaha,Damdama; Microlithic Industry, Mesolithic art.	11	02	
Unit – IV	Neolithic Evidence of India- Beginning of food production in India, Evidence from Mehrgarh, growth of villages.	11	02	

***Recommended Reading* :**

Chakrabarti, B.K.1999. India, *An Archeological History*: *Palaeolithic Beginnings to Early Historic Foundations*. New Delhi: Oxford University Press.

Dhavalikar, M.K.(Ed.) 2013. A Comprehensive History of India, Vol.1, Part1. *Prehistory of India*. New India: Manohar Publishers and Distributors.

Gordon, D.H.1958. *The Pre-Historic Background of Indian Cultures*. Eastern Book Corporation.

Habib, I. 2001. *People's History of India: Prehistory*. New Delhi: Tulika Books.

Piggot S. 1950. *Prehistoric India to 1000 B.C*. New Delhi: Oxford IBH.

Sankalia, H.D. 1977. *Prehistory of India*. New Delhi: MunshiramManoharlal Publishers Pvt. Ltd.

Sankalia, H.D. 1991. *An Outline of Indian Prehistory*. Delhi: PalakaPrakashan.

Sankalia, H.D. 1974. Pre- and Protohistory of India and Pakistan. Pune: Deccan College Post Graduate and Research Institute.

Thapar, B.K.1985. *Recent Archeological Discoveries in India*. France and Japan. The United Nations Educational, Scientific and Cultural Organization &the Centre for East Asian Cultural Studies.

Generic Elective, Credit – 4 (Any One)

(For Students from Other Departments)

Course No. **: ANT30601**

Title of the Course **: Anthropology of Ethnicity**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Introduction: ethnicity, ethnicity and culture, ethnicity and language, ethnicity and tribalism, ethnicity and nationalism.	11	02	
Unit – II	Theories of ethnicity: Cultural distinctiveness theory, language theory, resource theory, relative deprivation theory, internal colonialism theory, rational choice theory, prejudice-discrimination theory, synthesis theory.	11	02	
Unit – III	Some ethnic movements in India: Gorkhaland movement, Uttarakhand movement, Bodoland movement, Jharkhand movement, Zeliangrong movement, Karbi-Anglong movement.	11	02	
Unit – IV	Ethnic problems of the northeast: genesis, current status, and the future.	11	02	

Recommended Rreading :

Agrawala, M.M. 1996. *Ethnicity, culture and nationalism in Northeast India*. New Delhi: Indus.

Barth, F. 1969. *Ethnic groups and boundaries*. Boston: Little Brown & Company.

Brass, P. 1991. *Ethnicity and Nationalism*. New Delhi: Gage.

Danda, A.K. 1991. *Ethnicity in India*. New Delhi: Inter-India.

Das, N.K. 1989. *Ethnic Identity, Ethnicity and Social Stratification in North East India*. New Delhi: Inter-India.

Despres, L.A. 1975. *Ethnicity and Resource Competition in Plural Societies*. The Haque: Mouton.

Glazer, N. and D.P. Moynihan. 1975. *Ethnicity : Theory and Experience*. Cambridge: Harvard Univ. Press.

Hall, R.L. 1979. *Ethnic Autonomy: Comparative Dynamics*. New York: Pergamor Press.

Hechter, M. 1975. *Internal Colonialism*. London: RKP.
Palanithurai, G. 1996. *Ethnic Movements in India: Theory and Practice*. Delhi: Kanishka.
Schermerhorn, R.A. 1978. *Ethnic Plurality in India*. Tuoson: Univ. of Arizona Press.
Simpson, G.E. and J.M. Yinger. 1972. *Racial and Cultural Minorities*. New York: Harper & Row.
Smith, A.A. 1981. *The Ethnic Revival*. New York: Cambridge Univ. Press.
Subba, T.B. 1992. *Ethnicity, State and Development*. New Delhi: Vikas.
Thompson, D.L. and D. Ronen. 1986. *Ethnicity, Politics and Development*. Boulder: Lynne Rienner Publishers.
Wilson, T.M. 1998. *Border Identities*. Cambridge: Univ. Press.
Zehol, L.T.V. 1998. *Ethnicity in Manipur*. New Delhi: Regency.

Course No. **: ANT30602**

Title of the Course **: Nutritional Anthropology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Nutrition: Basic terms and concepts. Food habits – Attitude towards food, food taboos ,food preferences. . Human variation in food intake and nutritional requirements.	11	02	
Unit – II	Overview of nutrients: Malnutrition, undernutrition, overnutrition, obesity. Special problems related to nutrition and identification of the growth at risk. : infants, pregnant and lactating mothers, and old age persons.	11	02	
Unit – III	Birth weight variations/ abnormal growth and growth failure, determinations of nutritional levels-Anthropometric and Clinical Signs, Bio-chemical.	11	02	
Unit – IV	Diet and Nutrition: Socio-economic and dietary assessment, evaluation, monitoring and surveillance, concept of standard/reference values of growth and nutritional status. Nutritional status of	11	02	

	India with special reference to North East India.			

Recommended Rreading :

Benjamin Caballero, B.,Allen, L., Prentice,A.(2005) Encyclopedia of Human Nutrition (2nd edition) .Elsevier Academy Press, Oxford.

Burton, B.J. (1976) Human Nutrition. McGraw Hill, New York.

Draper, H.H (Ed.) (1977) Advances in Nutritional Research. Vol. I. Plenum, New York.

Fleck. H. (1981) Introduction to Nutrition. Macmillan, New York.

Gerard, R.W. (Ed) . (1952) Food for Life. University of Chicago Press, Chicago.

Gibney, M.J.,Lanham-New,S.A.,Cassidy,AVorster, H.H.(2009). Introduction to Human Nutrition .(2nd edition).A jhon Wiley & sons, Ltd, Publication,United Kingdom.

Goodhart, R.S. and M.E. Shils (Ed) (1973) Modern Nutrition in Health and disease. Lea and Febiger,Philadelphia.

Gopalan, C. And K. Vijayraghavan (1971) Nutrition Atlas of India. National Institute of Nutrition, Hyderabad.

Jensen, B. (2008) .Nutritional Anthropology. New Delhi: Global Vision Publishing.

Jellifee, N. (ed) (1950) Clinical Nutrition Hoeber, New York.

Margolius, S. (1973) Health Foods, facts and Fakes. Walker, New York.

AEC (Ability Enhancement Courses)

Credit 2

Course No. **: ANT30701**

Title of the Course **: Visual Anthropology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Visual anthropology: concepts, scope, uses and problems. Visual anthropology as a discipline for study and as a mode of recording and documenting human societies and their cultures. History and development of visual anthropology.	06	02	

Unit – II	Visual anthropology and films/ documentary films. Visual Anthropology as a mode of cultural preservation and enrichment.	06	02	

Recommended Readings

1. Arnheim, R. 1969 Visual Thinking, University of California Press
2. Asch, T. 1971 Ethnographic Film Production, Film Comment 7(1):40-53
3. Asch, T. 1972 Making Ethnographic film for Teaching and Research, PIEF Newsleter, 3(2):6-10
4. Asch, T. et al. 1973 Ethnographic film: Structure and function, Ann. Reviews of Anthropology, 2:179-187
5. Barndt, D. 1974 Toward a Visual study of Society, Michigan State University, College of Social Sciences
6. Barnouw, E. 1974 Documentary: A History of Non-fiction film, Oxford University Press, New York
Anthropology 192
7. Becker, 1981 Exploring society photographically, University of Chicago Press
8. Bogaart, N.C.R. and Methodology in Anthropological film making, Herodot, Gottingen H.W.E.R. Ketelaar
(Ed) 1983
9. Breen, R. (Ed) 1977 Ethnographic Film, Cambridge University Press
10. Hockings, P. (Ed) 1975 Principles of Visual Anthropology, Mouton, The Hague
11. Collier, J. and Visual Anthropology: Photography as a Research Method, Collier, M. 1986 University of New Mexico Press
12. Taureg, M. and Visual Explorations of the World,Herodot, Aachen
Ruby, J. 1987
13. Thorn, R. 1987 Visual anthropology as Teaching Method, CVA Newsletter, Jan 29-32
14. Mead, M. and 1982 The study of culture at a distance, Chicago University Press Metraux, R. (Eds)
15. Jeffrey, I. A concise History, Oxford University Press, New York
1981 Photography:Credit = 2 (Any One)

Course No. **: ANT30702**

Title of the Course **: Anthropology of Food**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Anthropology of food - meaning, development and scope; relationship between food and culture, different theoretical frameworks adopted for studying food – structural-functional, structuralist, symbolic, cognitive, feminist, ethnographic. Emerging trends.	06	02	
Unit – II	Food culture in India – social, historical, cultural and regional diversities; culture and cuisines of North East India; problems and future prospects.	06	02	

References:

Adams, Carol J.,1990, Sexual Politics Of Meat: A Feminist Vegetarian Critical Theory. New York, USA: The Continuum International Publishing Group Ltd.

Alaimo, K. Olson, and E. A. Fronquillo, 2001 Food Insufficiency and American School Aged Children's Cognitive, Academic Psychosocial Development. Paediatrics. July (1): 44-55.

Albala, Ken, 2013, *Introduction. In Food: A Cultural Culinary History, Ken Albala, ed. Pp. xi-xiii. New York: Routledge.*

Appadurai, Arjun,1981, Gastro-politics in Hindu South Asia. American Ethnologist 8(3): 494-511.

Ashley, Bob 2004 Food and Cultural Studies. London: Routledge.

Babb, Lawrence A., 1970, Food of the Gods in Chattisgarh: Some Structural Features of Hindu Rituals.Southwestern Journal of Anthropology 26(3): 287-304. University of Mexico.

Barthes, Roland, 1997, Towards a Psychosociology of Contemporary Food Consumption. Food and Culture: A Reader. Carole Counihan and Penny Van Esterik, eds. Pp. 20-30. New York: Routledge.

Counihan, Carole, 1999,The Anthropology of Food and Body: Gender, Meaning, and Power. New York: Routledge.

Counihan, Carole, and Penny Van Esterik, 1997, Food and Culture: A Reader. New York: Routledge.

Counihan, Carole, and Steven L. Kaplan,1998, Food and Gender: Identity and Power. London: Routledge.

Dutta, Aiyushman, 2015, Food Trail: Discovering the Food Culture of North East India, NEZCC, Ministry of Culture, Government of India (in association with Assam Book).

Fieldhouse, Paul, 1998 [1995], Food and Nutrition: Customs and Cultures. 2nd edition. UK: Springer Media B.V.

Goody, Jack, 1982, Cooking, Cuisine, and Class: A Study in Comparative Sociology. Cambridge: Cambridge UP.

Herskovits, Melville J.,1955, Cultural Anthropology. New York: Knopf.

Kahn, Miriam,1986, Always Hungry, Never Greedy: Food and the Expression of Gender in a Melanesian Society. Cambridge: Cambridge UP.

Khare, R. S., 1976, The Hindu Hearth and Home. New Delhi: Vikas Publishing House.

Khare, R. S., 1992 Annambrahman: Cultural Models, Meanings and Aesthetics of Hindu Food. *In*The Eternal Food. Albany: State University of New York Press.

Levi-Strauss, Claude, 1969 [1949],The Elementary Structures of Kinship. James Harle Bell,John Richard Von Sturmer and Rodney Needham, trans. London: Eyre &Spottiswoode.

Levi-Strauss, Claude, 1979 Savage Mind. University of Chicago, Chicago Press.

Levi-Strauss, Claude 1979 [1964] The Raw and the Cooked. Reprint. New York: Harper & Row.

Levi-Strauss, Claude, 2007, The Culinary Triangle. *In* Food and Culture: A Reader. Carole Counihan and Penny Van Esterik, eds. Pp. 28-35. New York: Routledge.

LiPuma, Edward, 1988, The Gift of Kinship: Structure and Practice in Maring Social Organisation. New York: Cambridge UP.

Lupton, Deborah, 1998 [1996], Food, the Body, and the Self. Reprint. London: Sage Publications.

Manderson, Lenore, 1986, Shared Wealth and Symbol: Food, Culture, and Society in Oceania and Southeast Asia. Cambridge: Cambridge UP.

Marriott, McKim,1968, Caste Ranking and Food Transactions: A Matrix Analysis. Chicago: University of Chicago, Committee on Southern Asian Studies.

Mcknight, David,1973, Sexual Symbolism of Food Among the Wik-Mungkan. Man 8 (2): 194

Messer, Ellen, 1984 Anthropological Perspectives on Diet. Annual Review of Anthropology 13(2): 205-49.

Mintz, Sidney W., and Christine M. Du Bois, 2002, The Anthropology of Food and Eating. AnnualReview of Anthropology 31(1): 99-119.

Munn, Nancy D.,1986, The Fame of Gawa: A Symbolic Study of Value Transformation in a Massim (Papua New Guinea) Society. Cambridge: Cambridge UP.

Narayan,Uma, 1995, Eating Cultures: Incorporation, Identityand Indian Food.

Richards, Audrey I.,1995 [1939], Land, Labor and Diet in Northern Rhodesia: An Economic Study of the Bemba Tribe. 4th Reprint. Münster-Hamburg: LIT Verlag.

Sen, Colleen Taylor, 2004, Food Culture in India. Westport, Connecticut: Greenwood Press. USA.

Srinivas, M. N., 1951 The Social Structure of a Mysore Village. The Economic Weekly 42-43 III (1951): 1051-056.

Young, Michael W., 1971, Fighting with Food: Leadership, Values and Social Control in a Massim Society. Cambridge: Cambridge UP.

Course No. **: ANT30703**

Title of the Course **: Human Rights**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Basic concepts. Linkages with other disciplines. Ideas and theories of human right. History of human right. Human right: duties and responsibilities. Human right and Constitutional revolutions.	06	02	

	Implementation and promotion of human right. Culture and human right.			
Unit – II	Human rights: violation, abuses and problems. Movements and human right. Human right protection. Human right and International law. Contemporary human right issues and problems: secessionist and terrorist movements.	06	02	

Suggested Readings:

Agrawal, OP. 1954. Fundamental Right and Constitutional Remedies. Delhi, Metropolital Books.

Basu, D.D. Human Right in Constitional Law, Prentice-Hall Pvt. Ltd., New Delhi

Baxi, BRP. 2002. The Future of Human Right. Oxford University Publication.

Bhaskar, BRP. 2001. Human Right. Bangalore, Vigil India Movement.

Clapham, A. 2007. Historical Development of International Human Right. In Human Right: A Very Short Introduction. Oxford, OUP

UNESCO, 1998. Taking Action for Human Right in 21st Century, Paris, UNESCO.

UNESCO. 1998. Philosophical Formulation of Human Right. Paris, UNESCO.

United Nation Commissioner for Human Right. 1996. An Introduction: Making Human Right a Reality. New York. United Nation Publication Division.

Semester – IV

Details Syllabus of the MA/MSc. Programme in Anthropology under Choice Based Credit System

Core (fixed), Credit – 4 (Each Paper)

Any one set of the following:

SET-1

Course No. **: ANT40101**

Title of the Course **: Human Growth and Development**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Growth and Development: Concept and relationship. Stages of Human growth. Methods of studying human growth. Recent trends in growth studies.	11	02	
Unit – II	Factors affecting growth and development: Heredity, environment, hormone, nutrition, socio-economic condition. Secular trends in growth.	11	02	
Unit – III	Growth as an indicator of nutritional status. Growth and adaptation to stresses of nutrition and diseases. Human physique and somatotypes.	11	02	
Unit – IV	Relevance of growth studies in population health.	11	02	

Recommended Reading **:**

Baker, P.T. and J.S. Weiner. 1966. *The Biology of Human Adaptability*, Oxford: Clarendon Press.

Eveleth, P.B. and J.M. Tanner, 1976. *Worldwide Variation in Human Growth*, Cambridge: University Press.

Gam, S.M. and Z. Shamir. 1958. *Methods for Research in Human Growth*. Springfield: Charles C. Thomas.

Jelliffe, D.B. 1966. *The Assessment of Nutritional Status of the Community*. WHO Monograph. No. 53, Geneva: WHO.

Marshall, W.A. 1977. *Human Growth and its Disorders*. London: Academic Press.

Tanner, J.M. 1960. *Genetics of Human Growth*. Pergamon Press.
Tanner, J.M. 1962. *Growth at Adolescence*. Oxford: Blackwell. Scientific Publication.
Thompson, J. 1980. *On Growth and Form*. Cambridge: University Press.

Course No. **: ANT40102**

Title of the Course **: Demographic Anthropology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Nature and definition of population studies. Population concepts. History of population studies. Interrelationship between population studies and other disciplines. Sources of population data: Population census, Registration/Vital statistics sample survey. Population Registers. International Publications.	11	02	
Unit – II	Population compositions: Population size, structure and characteristics. Factors affecting age and sex structure. Fertility and Fecundity. Factors associated with changes in fertility – Physiological and socio-cultural factors. Differential fertility. Mortality and morbidity: basic measures. Age and sex patterns in mortality. Infant mortality. Causes of mortality and morbidity. Differential mortality.	11	02	
Unit – III	Migration: Nature of migration. Theories of migration. Rural-urban migration. Seasonal migration and transhumance. Causes and consequences of migration.	11	02	
Unit – IV	Demographic transition: Stages of demographic transition. Demographic theories: Malthus, Theory of Optimum Population, Sadler, Doubleday, Arsene-Dumont, Spencer, Cart-Saunders.	11	02	

Recommended Reading **:**

Baker, P. T. and W. T. Sanders. 1972. Demographic Studies in Anthropology, In *Annual Review of Anthropology*, Volume I.
Barclay, G. W. 1958. *Techniques of Population Analysis*. New York: John Wiley and Sons.
Bhende, A. and T. Kanitkar. 1991. *Principles of Population Studies*. New Delhi: Tata McGraw.
Bogue, Donald. 1969. *Principles of Demography*, New York: John Wiley and Sons.
Car Sanders, A. M. 1972. *The Population Problem – A Study of Human Evolution*, Oxford: Clarendron Press.
Cox, Peter R. 1970. *Demography*. Cambridge: University Press.
Harrison, G. A. and A. J. Boyee. 1972. *The Structure of Human Populations*, Oxford: Clarendron Press.
Jha, R. K. 1993. *Economic Profile of Indian Demography*. Ajmer: Sadhana Publications.
Lorimer, F. 1954. *Culture and Fertility*. UNESCO, Paris.
Mahadevan, K. and P. Krishnan. 1993. *Methodology for Population Studies and Development*. New Delhi: Sage Publications.
Peterson, W. 1969. *Population*, London: Macmillan Co.
Scott, S. and C. J. Duncan. 1998. *Human Demography and Disease*. Cambridge: University Press.
Srinivasan, K. 1998. *Basic Demographic Techniques and Applications*. New Delhi: Sage Publications.
Swedland, Allan C. 1976. *Demographic Anthropology*, London: McGraw Hill Education.

Course No. **: ANT40103**

Title of the Course **: Dissertation - Physical Anthropology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
	Dissertation based on data collected from fieldwork has to be submitted. Two typed copies of Dissertations dully forwarded by the concerned supervisors are to be submitted one month before the examination.			

SET-2

Course No. **: ANT40201**

Title of the Course **: Language, Culture and Society**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Introduction: Language and its characteristics, scope of linguistic anthropology, relationship between linguistics and cultural anthropology. Ethnography of communication.	11	02	
Unit – II	Language and culture: Cultural setting of language, Sapir-Whorf hypothesis, cultural analysis of kinship and colour terminologies, contributions of Malinowski and Levi-Strauss.	11	02	
Unit – III	Language variation: Socio-linguistics, multilingualism and diglossia, lingua franca, pidgin and creole, languages of Northeast India.	11	02	
Unit – IV	Language and Inequality: Linguistic and social inequalities, linguistic prejudices and stereotypes, power and solidarity relations in language, language and social stratification, language and ethnicity.	11	02	

Recommended Reading:

Cooper, D.E. 1975. *Philosophy and the Nature of Language*. London: Longman.

Durani, A. 1997. *Linguistic Anthropology*. Cambridge: University Press.

Goodenough, W.H. 1971. *Culture, Language and Society*. Mass: Addison Wesley.

Hardin, C.L. 1997. *Color Categories in Thought and Language*. Cambridge: Univ. Press.

Henson, Hilary. 1974. *British Social Anthropologists and Language*. London: Clarendon.

Hickerson, N.P. 1980. *Linguistic Anthropology*. New York: Holt, Rinehart and Winston.

Hockett, C.F. 1958. *A Course in Modern Linguistics*. New York: Macmillan.

Honigmann J.J. 1973. *Hand Book of social and cultural anthropology.* Rand Mcnall Co., Chicago.

Hudson, R.A. 1980. *Sociolinguistics*. Cambridge: Univ. Press.

Hymes, D.H. 1964. *Language in Culture and Society*. New York: Harper & Row.

Langacker, R.W. 1973. *Language and Its Structure*. NY: Harcourt.

Lyons, J. 1975. *New Horizons in Linguistics*. NY: Penguin.

Lyons, J. 1982. *Language & Linguistics: An Introduction*. Cambridge: University Press.

Miri, M. 1982. *Linguistic Situation in Northeast India*. Shillong, NEICSSR.

Misra, K.K. 2000. *Textbook of Anthropological Linguistics*. New Delhi: Concept.

Nuyts, Jan and Eric Pederson. 2000. *Language and Conceptualization*. Cambridge: University Press.

Pride, J.B. 1970. *The Social Meaning of Language*. London: OUP.

Sapir, Edward. 1963. *Language*. London: Hart-Davis.

Thomas, Linda et al. 1999. *Language, Society and Power: An Introduction*. London: Routledge.

Trudgil, P. 1984. *Socio-linguistics: An Introduction to Language and Society*. Harmondsworth: Penguin.
Whorf, B.L. 1956. *Language, Thought and Reality*. Cambridge: MIY Press.

Course No. **: ANT40202**

Title of the Course **: Cultural Ecology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Definition of ecology, culture, environment, determinism and possibilities. Aims and scope of Cultural Ecology.	11	02	
Unit – II	Fundamental concepts and their application in cultural ecology. Eco system, ethno-ecology, population ecology, human ecological niche. Variety of human eco system.	11	02	
Unit – III	Approaches of cultural ecology: Contribution of Wissler, Steward, Forde, Barth.	11	02	
Unit – IV	Ecology and Society/Communities and Ecology. Food resources, nutrition. Indigenous ways of conserving and maintaining natural resources. Ecological Adaptation and Change, e.g. deforestation and ecological imbalance.	11	02	

Recommended Reading :

Ananda Bhanu, B. & Daryl Forde. *The Cholanaichan of Kerala : Habitat, Economy and Society.*
Barth, F. 1956. *Ecological Relationships of Ethnic Groups in Swat.* Northern Pakistan : American Anthropologist. 58: 079. 1956.
Bhasin V. and M. K. Bhasin. 2007. *Anthropology Today*. New Delhi : Kamla Raj Enterprise.
Forde, Daryll C. 1963. *Habitat, Economy and Society*. New York : Dutton and Co.
Hardesty, D. L. 1977. *Ecological Anthropology*. New York : Wiley & Sons.
Henigman, *Handbook of Social and Cultural Anthropology*.
Marten, G. G. 2001. *Human Ecology*. London : Stylus Publishing.
Moran, E. F. (ed.) 1990. *The Ecosystem Approach in Anthropology*. Michigan : University Press.
Moran, E. R. 1971. *Human Adaptability : An Introduction to Ecological Anthropology*. Colarado: Westview Press.
Netting, Robert Mc.C. 1971. *The Ecological Approach in Cultural Study*. New York : Addison Wesley Modules in Anthropology. Modula-6. Sand Hill : Road, Menlo Park: Cummings Publishing Co.

Odam, Eugene, P. 1963. *Ecology, Modern Biology Series*. New York : Holt. Rinchart & Winston.

Course No. **: ANT40203**

Title of the Course **: Dissertation - Social Anthropology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
	Dissertation based on data collected from fieldwork has to be submitted. Two typed copies of Dissertations dully forwarded by the concerned supervisors are to be submitted one month before the examination.			

SET-3

Course No. **: ANT40301**

Title of the Course **: Environmental Archaeology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Environmental changes during Quaternary: Coastal phenomena and sea-level fluctuations. Nature of environmental changes- climatic, geomorphic, faunal and floral; Nature of Evidence for reconstruction of palaeoclimate and palaeoenvironment; geomorpho-logical, sedimentological, pedological, palaeontoogical, palaeobotanical.	11	02	
Unit – II	Geological principles: Geological time			

	scale- plio-pleistocene boundary: Palaeoenvironmental survey of India during Pleistocene and Holocene with examples; Palaeoenvironmental indicators and varieties of evidences; geography and zonal concept; geomorphological roles; Methods of study, sample collection; different techniques applied; settlement archaeology, cultural ecology.	11	02	
Unit – III	Geoarchaeology: Environment systems; landscape and stratigraphic context; analysis of micro-macro environments; site formation processes, modification and distribution; Man- land relationship; archaeometry, retrieval of archaeological informations; archaebotany, archaeozoology and human fossils; taphonomy.	11	02	
Unit – IV	Landscape Archaeology: Components, subsystems and human ecology; socio-ecological models for settlement analysis, subsistence-settlement generalizations for hunter-gatherers; determinants for agricultural settle-ments, reconstruction of settlement systems, settlement patterns; hunter-gatherers and agricultural communities.	11	02	

Recommended Reading **:**

Aggarwal, D.P & M.G Yadav. 1977. *Dating the Human Past.* (ISGS) Delhi.

Bahn, Paul. 1996 (ed). The Cambridge Illustrated History of Archaeology. Cambridge University Press, Cambridge.

Bahn, Paul & Colin Renfrew. 1996. *Archaeology 2nd ed.*Thames and Hudson, New York.

Brill, R.H. 1971. *Science in archaeology.* MIT Press, Cambridge.

Brothwell, D & E. Higgs. 1970. *Science in Archaeology.* Thames and Hudson, London.

Binford, Lewis R. 1983. In pursuit of the Past. Thames and Hudson, New York.

Butzer, K.W. 1964a. Environment and Archaeology: An Introduction to Pleistocene Geography. Aldine, Chicago.

---------- 1971a. *Environment and Archaeology: An Ecological Approach to Prehistory.* Aldine, Chicago.

Butzer, K.W. et al. 1976. *Geomorphology from Earth.* Harper and Row, New York.

Chang, K.C. 1968. *Settlement Archaeology.* National Press, Palo Alto.

Embleton, C and J. Thornes. 1979. *Process in Geomorphology.* E. Arnold, London.

Fagan, Brian M. 1995. *Time Detectives.* Simon and Schuster, New York.

---------- 1997. *Archaeology: A Brief Introduction*..6th ed. Addison Wesley Longman, New York.

Heizer, R. F. 1959(ed). The Archaeologist at work: A Source Book In Archaeological Method and Interpretation. Harper and Row, New York.

Hester, T.R, R.F Heizer &J.A Graham. 1975. *Field Method in Archaeology.* Palo Alto: Mayfield.
Layton, Robert. 1994. *Who Needs the Past?* 2nd ed. Rout ledge, London.
National Geographic Society. 1985. *The adventure of Archaeology.* N.G.S, Washington, D.C.
---------- 1997. *In the Unknown.* N.G.S. Washington, D.C.
Sankalia S.D. *Prehistory & Archaeology in India & Pakistan*.
Sharer, Robert & Wendy Ashmore. 1994. *Archaeology: Discovering the Past.* 3rd ed. Mountain View, C.A: Mayfield.
Trigger, B. 1989. *History of Archaeological Interpretation.* Cambridge University Press, Cambridge.

Course No. **: ANT40302**

Title of the Course **: Chalcolithic and later cultures of India**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Beginning of agriculture in India- Mehrgarh, Koldihawa, Ganga valley, etc. Diffusion of village farming way of life in the Subcontinent- Killi Ghul Mohammad, Rana Ghundai, Gumlam Sarai Khola, etc. Evidences from difference parts of India.	11	02	
Unit – II	Expansion of village communities in the Indus and Gagra/Hakra Valleys- Amri, Kot Diji, Kalibangan, Mohenjo-Daro, Harappa. Mature Indus Culture-Mohenjo-Daro, Harappa, Chanhu Daro, Kalibangan, Lothal, etc. Town planning, Architecture, metal technology. Art, Writing.	11	02	
Unit – III	Late Harappan Culture- Expansion into Kutch, Gujrat, Punjab, Haryana, UP, etc. Decline of the Indus Civilization- Theories, Environmental decay, hydrological changes, Tectonic move-ment, Climatic changes, External Invasion. Aftermath of the Indus Civilization- OCP Copper hoards.	11	02	
Unit – IV	Beginning of Iron Age and Second Urbanization: Economic and social	11	02	

	implications of iron technology. Black and Red Ware cultures- Noh, Attranjkhera, Ahichhatra, etc. Painted Grey Ware (PGW) cultures- Distribution, economy and society. Northern Black Polished (NBP) ware cultures, role of ecology in the urbanization. Iron and Megalithic burials.			

Recommended Readings **:**

Agrawal, D. P. 1982. *The Archaeology o f India*.

Agrawal, D. P. and Dilip K. Chakrabarti (ed) 1978. *Essays in Indian Protohistory*. New Delhi: D. K. Publisher.

Agarwal, D.P. and Chakraborty, D.K. (Ed.) 1979. *Essays in Indian Protohistory*. Delhi.

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

Allchin Bridget, F. R. Allchin 1982. *The Rise of Indian Civilization*, Cambridge: Cambridge University Press.

Allchin, B. and Allchin, R. 1982. *Rise of Civilization in India and Pakistan*, Cambridge: University Press.

Alur, K.R. 1973. Significance of faunal remains in Archaeological studies. In : Radiocarbon and Indian Archaeology. Ed. D.P. Agrawal & A. Ghosh . Bombay p.111-117.

Badam, G.L. 1984. Pleistocene faunal succession of India. In : R.O. Whyte (Ed). *The evolution of the east Asian Environment Centre of Asian Studies*. University of Hong Kong. V. 2. Pp 746-775.

Bose, N. K. , Sen, D. & Ray, G. S. 1958. Geological and cultural evidence at the stone age in Mayurbhanj. *Man in India* . 38(1) : 49-55.

Bose, H.K., Sen, D. and Ray, G. 1958. Geological and cultural evidences of the stone age in Mayurbhanj. *Man in India*. Vol. XXXVIII No. 1 p. 53-54.

Bhattacharya, D.K. 1972. *Prehistoric Archaeology : A comparative study of human succession*. Delhi: Hindusthan Publishing Corporation. 196 p.

Chottopadhaya, P.K. 1991. Ancient iron smelting technology of West Bengal . In : *Studies in Archaeology*. Ed. A. Datta. Books & Books. P. 67-76.

Chattopadhaya, R K. 1992. Palaeolithic West Bengal. *Pratna Samiksha*. Vol. 1. Directorate of Archaeology, Govt. of W.B. : 27-60.

Chakrabarti, D.K. 1993. *Archaeology of Eastern India: Chhotonagpur Plateau and West Bengal*. Delhi: Munshiram Manoharlal.

Chakraborty, D.K. 1988. *Theoretical issues in Indian Archaeology*. Delhi: Munshiram Manoharlal.

Dani, A.H. 1960. *Pre and Protohistory of Eastern India*, Calcutta: Firma K.L. Mukhopadhyaya.

Datta, A. K. 1982. *The palaeohistory of man and his culture*, Delhi: Agam Kala Prakashan.

Datta, A.K. , Ray, D. K. and Samanta, B. 1984. Chamargora : the microlithic site of Tarafeni basin , Dist. Midnapur. In A. Roy *et al* (Ed.), Indian studies: Essays presented in memory of Prof. N. R. Ray , 15-19. Delhi: Caxton Publication. P. 21-30.

Davalikar, M. K. *Cultural Imperialism in Indus Civilization in Western India*. New Delhi: Books & Books.

Gordon, D.H. 1958. *The Pre-historic Background of Indian Cultures*, Eastern Book Cooperation.
Joshi Jagat Pati, 2008 *Harappan Architecture and Civil Engineering*. New Delhi: Rupa & Co. 7/16 Ansari Road.
Piggot Stuart, 1950. *Prehistoric India to 1000 BC*. New Delhi: Oxford IBH.
Pohssel, G. L. 1982. *Harappan Civilization: A contemporary Perspective,* New Delhi: ED0 Oxford IBH and American Institute of Indian Studies.
Shankalia, H. D. 1974. *Pre and Protohistory of India and Pakistan*, Deccan College Post-Graduate and Research Institute. Poona.
Tripathy, Vibha 2008 *History of iron Technology in India* (from beginning to Pre modern times) New Delhi: Rupa & Co. 7/16 Ansari Road.
Wheeler, 1968. *The Indus Valley Civilization*. Cambridge: Cambridge University Press.

Course No. **: ANT40303**

Title of the Course **: Dissertation - Prehistoric Anthropology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
	Dissertation based on data collected from fieldwork has to be submitted. Two typed copies of Dissertations dully forwarded by the concerned supervisors are to be submitted one month before the examination.			

DSE, Credit – 4 (Any One)

Course No. **: ANT40401**

Title of the Course **: Nutritional Anthropology**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Nutrition: Basic terms and concepts. Food habits – Attitude towards food, food taboos ,food preferences. . Human variation in food intake and nutritional requirements.	11	02	
Unit – II	Overview of nutrients: Malnutrition, undernutrition, overnutrition, obesity. Special problems related to nutrition and identification of the growth at risk. : infants, pregnant and lactating mothers, and old age persons.	11	02	
Unit – III	Birth weight variations/ abnormal growth and growth failure, determinations of nutritional levels-Anthropometric and Clinical Signs, Bio-chemical.	11	02	
Unit – IV	Diet and Nutrition: Socio-economic and dietary assessment, evaluation, monitoring and surveillance, concept of standard/reference values of growth and nutritional status. Nutritional status of India with special reference to North East India.	11	02	

Recommended Rreading :

Benjamin Caballero, B.,Allen, L., Prentice,A.(2005) Encyclopedia of Human Nutrition (2nd edition) .Elsevier Academy Press, Oxford.

Burton, B.J. (1976) Human Nutrition. McGraw Hill, New York.

Draper, H.H (Ed.) (1977) Advances in Nutritional Research. Vol. I. Plenum, New York.

Fleck. H. (1981) Introduction to Nutrition. Macmillan, New York.

Gerard, R.W. (Ed) . (1952) Food for Life. University of Chicago Press, Chicago.

Gibney, M.J.,Lanham-New,S.A.,Cassidy,AVorster, H.H.(2009). Introduction to Human Nutrition .(2nd edition).A jhon Wiley & sons, Ltd, Publication,United Kingdom.

Goodhart, R.S. and M.E. Shils (Ed) (1973) Modern Nutrition in Health and disease. Lea and Febiger,Philadelphia.

Gopalan, C. And K. Vijayraghavan (1971) Nutrition Atlas of India. National Institute of Nutrition, Hyderabad.

Jensen, B. (2008) .Nutritional Anthropology. New Delhi: Global Vision Publishing.

Jellifee, N. (ed) (1950) Clinical Nutrition Hoeber, New York.

Margolius, S. (1973) Health Foods, facts and Fakes. Walker, New York.

Course No. : **ANT40402**

Title of the Course : **Anthropology of India**

Name of Course Teacher :

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Development of Anthropology in India– Physical, Social and Cultural and Archaeological Anthropology.	11	01	
Unit – II	Approaches to the study of Indian society, culture and civilization - Indological, historical, and anthropological.	11	01	
Unit – III	Indian social structure: Caste system, *varna* and *jati,* tribal social structure, caste among non-Hindus (Muslims and Christians).	11	01	
Unit – IV	Contribution of some selected Indian Anthropologists: L.K.A. Krishna Aiyer, D. N. Majumdar, Iravati Karve, N. K. Bose, L. P. Vidyarthi and Verrier Elwin, S.C Roy, H.D Sankalia, B.S Guha.	11	01	

Recommended Reading **:**

Bansal, I.J.S. 1984. *Anthropology in Indian Context*. New Delhi: Today & Tomorrow.

Bayly, Susan. 2001. *Caste, Society and Politics in India from the 18th Century to the Modern Age*. Cambridge: University Press.

Beteille, A. 1991. *Society and Politics in India*. Delhi: OUP.

Chatterjee, S.K. 1951. *Kiratajanakrti: The Indo-Mongoloids*. Calcutta: Royal Asiatic Society of Bengal.

Cohn, Bernard. 1971. *India: The Social Anthropology of a Civilization*. London: Prantice-Hall.

Danda, A.K. 1995. *Foundations of Anthropology in India*. New Delhi: Inter-India.

Danda, A.K. 1996. 'Anthropology in India: In Retrospect and Prospect'. *Journal of Indian Anthrop. Society*, 31:205-215.

Das, Veena. 1975. *Structure and Cognition*. Delhi: OUP.

Dumont, L. 1976. *Homo Hierarchicus*. Delhi: Vikas.

Gadgil, M. 1998. *Peopling of India*. Hyderabad: Univ. Press.

Ghose & Subba, *Anthropology of Northeast.*

Heesterman, Jan. 1985. *The Inner Conflict of Tradition*. Chicago: Univ. Press.

Inden, Ronald. 1980. *Imagining India*. Oxford: Basil Blackwell.

Mandelbaum, D.G. 1972. *Society in India*, 2 Vols. Bombay: Popular.

Rodolph, L. and S. Rudolph. 1970. *The Tradition of Modernity*. London: Chicago Univ. Press.

Singer, Milton. 1955. 'The Cultural Pattern of Indian Civilization'. The Far Eastern Quarterly, 15(1).

Sinha S.C. 1986. *Scholar Wanderer*, New Delhi: National Library.

Srinivas, M.N. 1987. *Dominant Caste and Other Essays*. Delhi: OUP.

Course No. **: ANT40403**

Title of the Course **: Prehistory of Europe**

Name of Course Teacher **:**

Unit	Topic	No. of Lectures	No. of Tutorials	No. of Practical, etc.
Unit – I	Palaeolithic cultures development; Abbevillian – Acheulean cultures in Western Europe. Mousterian cultures, Typo- technology, people and distribution, social organization.	11	02	
Unit – II	Upper Palaeolithic cultures- Distribution; Perigordian, Chattelperonian, Gravettian, Aurignacian, Solutrean, Magdalenian cultures; Technology and innovations; economy; upper Palaeolithic revolution.	11	02	
Unit – III	Holocene Europe- Azilian; Tardenoisian; Maglemosian ; Kitchen Midden cultures ; Ertebolle cultures; Climatic changes; Typo-technology, economic activity; from foraging to farming.	11	02	
Unit – IV	Distribution, Emergence and development of Art: styles- painting, engraving, sculpture; Media- Stones, bones and clay; Motifs and motivations; ecological interpretation; Megalithic cultures of Europe.	11	02	

Recommended Readings **:**

Alimen, H. 1957. *The Prehistory of Africa*, London: Hutchinson.
Bordes, F. 1972. *The Old Stone Age*, New York: McGraw Hills.
Butzer, K. W. 1964. *Environment and Archaeology*, Aldine Publishing Co.
Clark, J.D. 1954. *The Prehistoric Cultures of the Horn of Africa*, Cambridge: Cambridge University Press.
Cole, S. 1954. *The Prehistory of East Africa*, London: Penguin Books.
Coles, J.M. and Higgs, S.S. 1975. *The Archaeology of Early Man*, Middlesex, London: Penguin Books.
Howells, W. 1967. *Mankind in the Making*, New York: Double Day and Co.
Howell, F.C. 2004. *African Ecology and Human Evolution*, Routledge Library Edition.

Mc Burney, C. B. M. 1960. *The Stone Age of Northern Africa*, Penguin Books, London.
Pfeiffer, J. 1969. *The Emergence of Man*, Harper, New York.
Powell, T.G.E. 1966. *Prehistoric Art,* London: Ehmaes Hudson.
Shackley, M.I. 1980. *Neanderthal Man*, Handen : Archon Books.
Washburn, S. L. (ed.) 2004. *Social Life of Early Man*, New York: Viking.

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