

ANTHROPOLOGY

MA/MSc. Syllabus

Semester	Course No	Course Title	Credits
I	ANT-PG-C101	Social and Cultural Anthropology	4
	ANT-PG-C102	Physical Anthropology	4
	ANT-PG-C103	Archaeological Anthropology	4
	ANT-PG-C104	Linguistic Anthropology	4
II	ANT-PG-C201	Economic and Political Anthropology	4
	ANT-PG-C202	Ecological Anthropology	4
	ANT-PG-C203	Fundamentals of Genetics	4
	ANT-PG-O204	Human Evolution	4
SPECIALIZATION			
III	Social and Cultural Anthropology		
	ANT-PG-C301	Fieldwork Methods and Techniques	4
	ANT-PG-C302	Theories in Social and Cultural Anthropology	4
	ANT-PG-C303	Anthropology of India	4
	ANT-PG-O304	Anthropology of North East India	4
	Physical Anthropology		
	ANT-PG-C301	Fieldwork Methods and Techniques	4
	ANT-PG-C305	Bio Cultural Anthropology	4
ANT-PG-C306	Human Growth and Development	4	
ANT-PG-C307	Practical in Physical Anthropology – I	4	
IV	Social and Cultural Anthropology		
	ANT-PG-C401	Medical Anthropology	4
	ANT-PG-C402	Contemporary Issues in Anthropology	4
	ANT-PG-C403	Material Culture and Visual Anthropology	4
	ANT-PG-C404	Field based Dissertation and Viva Voce*	4
	Physical Anthropology		
	ANT-PG-C404	Field based Dissertation and Viva Voce*	4
	ANT-PG-C405	Human Genetics	4
ANT-PG-C406	Applied Physical Anthropology	4	
ANT-PG-C407	Practical in Physical Anthropology – II	4	
Total	Social and Cultural Anthropology		64
	Physical Anthropology		64

*Theoretical and methodological preparation for this paper begins with Course No.ANT-PG-C301. Supervisors for this paper are allotted in the beginning of the 3rd Semester, and the students leave for

fieldwork training soon after the 3rd Semester examination. Students write their dissertations during the 4th Semester and the same are submitted for evaluation before the commencement of the 4th Semester examination.

ANT-PG-C101 SOCIAL AND CULTURAL ANTHROPOLOGY

Unit I: Introduction

Origins of anthropology. History, aim, scope and development of social and cultural anthropology. Relationship with other disciplines. Basic Concepts: Culture, civilization, tribe, caste, society, social institutions, ethno-centrism, xenophobia, cultural relativism, etic and emic, race, ethnicity.

Unit II: Marriage and Family

Definition, Types and rules of marriage and residence. Marriage as exchange- Dowry and Bridewealth, Definition and functions of family, Types of family. Recent changes in marriage and family- impact of urbanization/industrialization.

Unit III: Kinship

History of Kinship studies, Classification of Kinship types, Descent Groups- Principles of Descent and Alliance theory, Forms of descent; Lineage, Clan, Phratry, Moiety and Kindred, Recent developments in Kinship studies- Needham and Schneider.

Unit IV: Religion

Origins of Religion and Definition. Rites of Passage. Ritual and Myth. Sacred and Profane. Magic, Witchcraft and Sorcery beliefs. Totem, Taboo, Priests, Possession and Shamanism. Cultural Revivalism, Cults and Syncretism. Commercialization of Religion.

Suggested Readings

Doshi, S.L. 2001. Social Anthropology. New Delhi: Rawat.

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

Ember, C.R. and Ember, M.R. 2013. Anthropology, 13th edn. New Delhi : Pearson

Kuper, A. 1999. Culture: The Anthropologist's Account. London: Harvard University Press.

Leach, E.R. 1986. Social Anthropology. Glasgow: Fontana Press.

Needham, R. 1962. Structure and Sentiments. Chicago: U Press.

Parkin, R and L. Stone. 2004. Kinship and Family: An Anthropological Reader. Oxford: Blackwell Publishers.

Rapport, Nigel and J. Overing. 2000. Social and Cultural Anthropology: The Key Concepts. London: Routledge.

Schneider, D and K. Gough. 1961. Matrilineal Kinship. Berkeley: University of California Press.

Uberoi, P (ed). 1993. Family, Kinship and Marriage in India. Delhi: OUP

ANT-PG-C102 PHYSICAL ANTHROPOLOGY

Unit I: Introduction

History and development of physical anthropology. Branches of physical anthropology. Relationship with allied disciplines, recent trends and applications.

Unit II: Theories of evolution

Lamarck's theory, Darwin's theory, Mendel's theory, Mutation theory, Synthetic theory, mtDNA theory, Multi-regional hypothesis, Replacement theory.

Unit III: Principles of Evolution

Evidence of evolution, concept of microevolution and macroevolution. Principles of evolution: convergence, divergence, parallelism, adaptive radiation, speciation, irreversibility.

Unit IV: Race

Concept of Race, racial criteria and formation of races, Distribution and characteristics of Caucasoid, Negroid and Mongoloid, Racial classification of Indian population – Guha, Risley and Sarkar.

Suggested Readings

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

Ciochon, R.L. 2011. Introduction to Physical Anthropology, 13th ed. Belmont: Wadsworth Cengage Learning.

Das, B.M. 1997. Outline of Physical Anthropology. Allahabad: Kitab Mahal.

Jurmain, R., L. Kilgore and W. Trevathan. 2011. Essentials of Physical Anthropology, 8th edition. Belmont: Wadsworth Cengage Learning.

Larsen, C.S.(ed.). 2010. A Companion to Biological Anthropology. London: John Wiley & Sons.

Lewin, R. and R. Foley. 2003. Principles of Human Evolution. Oxford: Blackwell Publishing.

Molnar, S. 1992. Human Variation: Races, Types, and Ethnic Groups. New Jersey: Prentice Hall.

Stein, P. and B.M. Rowe. 2010. Physical Anthropology, 10th edition. New York: McGraw Hill Book Co.

Sarkar, R.M. 2004. Fundamentals of Physical Anthropology. Kolkata: Book World Publishers. 4

Stanford, C., J.S. Allen and S.C. Anton. 2013. Biological Anthropology, 3rd edition. New York: Pearson.

ANT-PG-C103 ARCHAEOLOGICAL ANTHROPOLOGY

Unit I: Introduction

Scope and aims; historical development; Major branches and its relation with other disciplines; Geological time scale; Major climatic changes during Pleistocene; Climatic markers-moraines, river terraces, loess sea level changes; Dating methods.

Unit II: Prehistoric cultures

Paleolithic (lower, middle, upper) cultures of Europe and India – Distribution, habitat and assemblage/typo-technology;

Mesolithic cultures of Europe; Mesolithic cultures of India- Langhnaj, Teri sites, Bagor, Bhimbhetka..

Neolithic cultures- Jericho, Jarmo, CatalHuyuk, Burzahom, Brahmagiri, Utnur, DaojaliHading, Nevasa, Inamgaon;

Unit III: Typo-technology

Tool manufacturing techniques- Percussion technique: Primary and secondary flaking; Block-on-block/Anvil technique; Direct percussion/stone hammer technique; Step or resolved flaking; Cylinder hammer technique; Clactonian technique; Levalloisian technique; Pressure flaking technique; Fluting technique; Backing or blunting; Grinding and polishing.

Typologies or Types of tools- Pebble tools; Scrapers; Blade knife; Points; Microliths.

Unit IV: Chalcolithic and early iron age cultures

Indus Valley civilization-Origin, characteristics, decline people and society; Ahar culture, Malwa cultures, Jorwe cultures; Beginning of Iron Age - PGW and NBP; Megalithic cultures of India.

Suggested Readings:

Agrawal, D.P. 1982. The Archaeology of India. New Delhi: Select Books Syndicate.

Allchin, B and R. Allchin. 1983. The Rise of Civilization in India and Pakistan. New Delhi: SBS.

Bar-Yosef, O and F.Valla. 1990. 'The Natufian Culture and the Origin of the Neolithic in the Levant', Current Anthropology. 31 (4): 433-436.

Bhattacharya, D.K. 1989. An Outline of Indian Prehistory. New Delhi: Popular Books. Chard, C. S. 1975. Man in Prehistory. New York: McGraw-Hill Book Co.

Burkitt, M.C. 1963. The Old Stone Age: A Study of Palaeolithic Times. New York: New York University Press.

Fagan, B.M. 2004. People of the Earth. 11th ed. Delhi: Pearson Edu. Gorman, C. 1969. Hoabinhian: A Pebble Tool Complex with Early Plant associations in Southeast Asia. Science. New Series. 163 (3868): 671-673.

Mishra, V.N. 1973. 'Bagor- A Late Mesolithic Settlement of Northwest India', World Archaeology. 5 (1): 92-110.

Sankalia, H.D. 1969. 'Problems in Indian Archaeology and Methods and Techniques to Tackle Them', World Archaeology. 1 (1): 29-40.

Sankalia, H.D. 1974. The Prehistory and Protohistory of India and Pakistan. Pune: Deccan College.

Sharma, T.C and D.N Majumdar. 1979. Eastern Himalayas. New Delhi: Cosmo Publications.

Unit I: Language and Culture

Origin, evolution and characteristics of language; verbal and non-verbal communication; human and nonhuman communication. Linguistic anthropology, linguistic relativism.

Unit II: Definition, nature and scope of linguistic anthropology

Socio- cultural dimensions of language. Study of multilingualism. Ethnic minorities and tribal languages, endangered languages and revitalization.

Unit III: Social context of language

Process of language acquisition and socialization. Structural linguistics: lingua, parole, language and culture analysis in anthropological tradition, Sapir-Whorf hypothesis, language and social roles, phatic communion.

Unit IV: Structure of linguistic forms

Phonemes and phonology, morphemes and morphology, syntax and semantics. Lexical relations: synonymy, antonymy. homophony, homonymy.

Suggested Readings

Bauman, R. 1992. 'Text and Discourse in Anthropological Linguistics', In W. Bright (ed.), International Encyclopedia of Linguistics Oxford: Oxford University Press. pp 145-147.

Chomsky, N. 1957. Syntactic Structures. The Hague: Mouton Co.

Chomsky, N. 1988. Language and Problems of Knowledge. Cambridge, Mass: MIT.

Das Gupta, J. 1970. Language Conflict and National Development: Group Politics and National language Policy in India. New Delhi: Oxford University Press.

Dua, H.R. 1986. Language Use, Attitudes and Identity among Linguistic Minorities. Mysore: CIIL.

Dutta Baruah, P.N. (ed.). 1999. Languages of the North-East. Mysore: CIIL.

Hymes, D. 1974. Foundations in Sociolinguistics: An Ethnographic Approach. Philadelphia: University of Pennsylvania Press.

Malinowski, B. 1936. 'The problem of meaning in primitive languages', In CK. Ogden & I.A. Richards (eds.), The meaning of meaning, [1923], Supplement I: 296-336. London: Kegan Paul.

Krishna, S. 1991. India's Living Languages. New Delhi: Allied Publishers.

Laura. M. A. 2012. Living Language: An Introduction to Linguistic Anthropology. Oxford: Wiley-Blackwell.

ANT- PG-C201 ECONOMIC AND POLITICAL ANTHROPOLOGY**Unit I:Introduction**

Origin and scope of Economic Anthropology, approaches to the study of Economic Anthropology. Subsistence and Survival- Substantivist, Formalist and Culturalist, Tribal and Peasant economies, and Market Economies.

Unit II: Production, Distribution and Consumption

Provisioning, Barter and trade, ceremonial exchange, reciprocity, redistribution, and market (Gift, Potlach, Kula Ring, Jajmani system, and Feast of Merit). Globalization and Consumption.

Unit III: Political Anthropology

Origin and Introduction of Political Anthropology Types of Political System. Approaches to the study of Political Anthropology. Acquiring and Achieving Political Power and Status.

Unit IV: Concepts in Political Anthropology

Power, Authority, State/Stateless societies, Bands, Tribes, Resistance, Conflict, Citizenship, Political Process, Social Movements, Political Ethnography.

Suggested Readings

- Carrier, J. G. 2005. A Handbook of Economic Anthropology. Cheltenham: Edward Elgar Publishing.
- Evans-Pritchard, E.E. 1940. The Nuer, a Description of the Modes of Livelihood and Political Institutions of a Nilotic people. Oxford: Oxford University Press.
- Gregory, C.A. 1997. Savage Money. New York: Harvard Academic Publishers.
- Hann, C and K. Hart. 2011. Economic Anthropology: History, Ethnography and Critique. London: Polity.
- Lewellen, Ted. 2003. Political Anthropology: An Introduction. London: Praeger Publications.
- Mauss, Marcel. 2001. The Gift: The Form and Reason for Exchange in Archaic Societies with an Introduction by Mary Douglas. London: Routledge.
- Parry, J. and M. Bloch (eds.). 1989. Money and the Morality of Exchange. Cambridge: Cambridge University Press.
- Scott, J.C. 1985. Weapons of the Weak: Everyday Forms of Peasant Resistance. New Haven and London: Yale University Press.
- Sahlins, M. 1974. Stone-Age Economics. London: Tavistock Publications.
- Wiser, W.H. 1936. The Hindu Jajmani System: A Socio-Economic System Interrelating Members of a Hindu Village Community in Services. Lucknow: Lucknow Publishing House

ANT-PG-C202 ECOLOGICAL ANTHROPOLOGY

Unit I: Ecology and Culture

Environmental Determinism Vs Possibilism, the ecological perspective, cultural ecology, population ecology, systems ecology, ethno ecology, political ecology.

Unit II: Environmental Degradation

Chipko movement, Narmada Bachao movement; dams, displacement, rehabilitation, emerging ecological issues.

Unit III: Human Ecology

Definition and objective, approaches to the study of human ecology, variety of human ecosystem, acclimatization, adaptation.

Unit IV: Ecology and Sustainable Development

Impact of Urbanization on human populations; Ecological considerations in Development planning; Environmental Protection: Conservation and Regeneration of Natural resources.

Suggested Readings

Anthony Oliver-Smith.2010. Defying Displacement: Grassroots Resistance and the Critique of Development. Houston: University of Texas Press.

Bhasin V., Srivastava V.K. and M.K. Bhasin. 2001. Human Ecology in the New Millennium. New Delhi: Kamla Raj Enterprise.

Bose, K. 2006. Ecology, Culture, Nutrition, Health and Disease. New Delhi: Kamla Raj Enterprise.

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

Harrison, G.A. and H. Morphy. 1998. Human Adaptation. Oxford: 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.

Patricia K. Townsend.2008. Environmental Anthropology: From Pigs to Policies. NY: Waveland Press.

Susan. A.Crate (ed) 2009. Anthropology And Climate Change: From Encounters To Actions. NY: Left Coast Press.

ANT-PG-C203 FUNDAMENTALS OF GENETICS

Unit I: Introduction

Meaning and scope, history and development, major branches of human genetics, relation to others sciences, cell structure, cell division -mitosis and meiosis.

Unit II: Genetics of blood groups

Nomenclature and classification of ABO blood groups, MN blood groups, Rh system, blood groups and diseases, hemoglobin variants.

Unit III: Genetic variation

Human 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.

Unit IV: Methods of studying heredity

Pedigree analysis, twin study, co-twin method, fosters child method, cytogenetic method, biochemical method, immunological method and recombinant technology.

Suggested Readings

- Bodmer, W. F. and Cavalli-Sforza, L. L. 1976. Genetics, Evolution and Man. San Francisco: W. H. Freeman and Company.
- Holt, S. B. 1978. The Genetics of Epidermal Ridges. Springfield: Charles C. Thomas and Company.
- Pai, A. C. 1985. Foundations of Genetics: A Science for Society. New York: McGraw Hill Book Company.
- Peter Snustad, D. and Michael J. Simmons, 2003. Principles of Genetics. New York: John Wiley & Sons, Inc.
- Race, R. R. and Sanger, R. 1975. Blood Groups in Man. Oxford: Blackwell Scientific Publications.
- Robert H. Tammarin, 2002. Principles of Genetics. Delhi: Tata Mc. Graw-Hill Publishing company limited.
- Shukla, B. R. K. and Rastogi, S. 2000. Physical Anthropology and Human Genetics. Delhi: PalakaPrakashan.
- Singh, B.D. 2004. Fundamentals of Genetics. New Delhi: Kalyani publishers.
- Stern, C. 1973. Principles of Human Genetics. San Francisco: W. H. Freeman and Company.
- Vogel, F and Motulsky, A.G. 1982. Human Genetics: Problems and Approaches. New York: Springer Publications.

ANT-PG-O204 HUMAN EVOLUTION

Unit I: Palaeontology

Fossils-fossilization, preservation and uses, Classification and characteristics of primates, Primate evolution with reference to Skull, Jaw, limbs, Dentition and Brain, primate behaviour, comparison of morphological and anatomical features of man and higher primates.

Unit II: Earliest Primates

Discovery, distribution and characteristics of Parapithecus, Propliopithecus, Pliopithecus, Dryopithecus, Proconsul, Ramapithecus and Gigantopithecus.

Unit III: Early Hominoid

Discovery, phylogenetic position and salient features of Australopithecus Africanus, Australopithecus Boisei (Zinjanthropus), Australopithecus Robustus, Homo habilis, Homo erectus and Neanderthals.

Unit IV: Modern Humans

Discovery, characteristics and geographical distribution of Cro-Magnon, Grimaldi, Chancelade, Brunni, Offnet and Predmost. Anatomical changes in human skeleton due to erect posture and bipedal gait- skull, vertebral column, thorax, pelvic girdle, femur, hand and foot.

Suggested Readings

- Bishop, C. W. 1989. Evolution of Mankind. Delhi: Akashdeep Publishing House.

- Cachel, S. 2006. Primate and Human Evolution. Cambridge: Cambridge University Press.
- Hooton, E. A. 1965. Up from the Ape. New York: Macmillan.
- Lewin, R. and R. Foley. 2003. Principles of Human Evolution. Oxford: Blackwell Publishing.
- Nystrom, P. and P. Ashmore. 2011. The Life of Primates. New Delhi: PHI Learning Pvt. Ltd.
- Srivastava, R.P. 2011. Morphology of the Primates and Human Evolution. New Delhi: PHI Learning Pvt. Ltd.
- Strickberger, M. W. 2000. Evolution, 3rd edition. New York: Jones & Barlett Publishers.
- Swindler, D.R. 2004. Introduction to the Primates. New Delhi: Overseas Press India Pvt. Ltd.
- Tattersall, I. 1995. Fossil Trail: How We Know, What We Think, We Know About Human Evolution. New York: Oxford University Press.
- Volpe, P.E. 1989. Understanding Evolution. New Delhi: Universal Book Stall.

ANT-PG-C301 FIELDWORK METHODS AND TECHNIQUES

Unit I: Introduction

Fieldwork traditions in anthropology: British, French and American traditions; Preparing for the field, selection of the locale, learning the language. Challenges and Ethics of fieldwork.

Unit II: Types of research

Descriptive, exploratory, diagnostic, experimental, and evaluative. Hypotheses, formulation of research design. Primary and secondary sources. Sampling. Qualitative and quantitative research. Inductive and deductive.

Unit III: Methods and techniques

Comparative method, observation – participant and non-participant, Rapport establishment and Key informants, interview - interview guide, focused group discussion; genealogy, schedule and questionnaire, participatory rapid appraisal, case study, audio-visual methods. Field Diary.

Unit IV: Statistical Analysis

Use of statistical measures: mean, median, mode, standard deviation, standard error, t-test, ANOVA, chi-square, tabulation, diagrammatic representation of data. Report writing.

Suggested Readings

- Amit, V. 1999. Constructing the Field. London: Routledge.
- Burgess, R. G. 1984. In the Field: An Introduction to Field Research. London: Routledge.
- Ellen, R. F. 1984. Ethnographic Research: A Guide to General Conduct. London: Academic Press.
- Foster, G. M. et al. 1979. Long Term Field Research in Social Anthropology. New York: Academic Press.
- Frelich, M. 1970. Marginal Natives: Anthropologists at Work. New York: Harper & Sons.

Goode, W J and P K Hatt. 1981. *Methods in Social Research*. Singapore: McGraw-Hill Book Company.

Herle, A. 1998. *Cambridge and the Torres Strait*. Cambridge: Cambridge University Press.

Russell, B. H. 1995. *Research Methods in Anthropology: Qualitative and Quantitative Approaches*. Walnut Creek, CA: AltaMira Press.

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

Srinivas, M.N. 1983. *The Observer and the Observed*. Faculty Lecture 1, Faculty of Arts and Social Sciences, University of Singapore.

Srivatsava, V.K. 2005. *Field Work and Methodology*. Delhi: Oxford University Press.

ANT-PG-C302 THEORIES IN SOCIAL AND CULTURAL ANTHROPOLOGY

Unit I: Classical Theories

Evolutionism - Tylor, Frazer, Morgan, Spencer. Diffusionism- British School, GermanAustrian School and American School. Historical particularism – Boas. Neo-evolutionism- Childe, Steward and White, Durkheimian approach.

Unit II: Structuralism and Functionalism

Malinowski, Structural-functionalism - Radcliffe-Brown, Firth and Nadel, Structuralism - Levi-Strauss and Leach.

Unit III: Culture and Personality School

Mead, Benedict, Whiting, Kardiner and Cora Du-Bois. Cognitive Systems - Goodenough, Whitehouse. Symbolism - Turner, Douglas. Marxist approach.

Unit IV: Postmodernism

Schneider, Geertz, Clifford, Marcus and Tyler.

Suggested Readings

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

Clifford, J. and G. E. Marcus. 1986. *Writing Culture: The Poetics and Politics of Ethnography*. Berkeley: University of California Press.

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.

Harris, M. 1968. *Rise of Anthropological Theory*. London: Routledge and Kegan Paul.

- Hastrup, K. and P. Hastrup. 1994. *Social Experience and Anthropological Knowledge*. London: Routledge.
- Layton, Robert. 1998. *An Introduction to Theory in Anthropology*. Cambridge: Cambridge University Press.
- Leach, E. R. 1961. *Rethinking Anthropology*. London: The Athlone Press.
- Levi-Strauss, C. 1963. *Structural Anthropology*. New York: Basic Books.
- Radcliffe-Brown, A. R. 1952. *Structure and Function of Primitive Society*. London: Routledge & Kegan.
- Turner, V.W. 1969. *The Ritual Process; Structure and Anti-Structure*. London: Routledge

ANT-PG-C303 ANTHROPOLOGY OF INDIA

Unit I: Origin and growth of Indian Anthropology

Approaches to the study of Indian society, culture and civilization - indological, historical, and anthropological. Great tradition and little tradition, sacred complex, universalization, parochialization.

Unit II: Social stratification and Hierarchy

Caste, Varna, Jati. Caste among non-Hindus (Muslims, Christians, Sikhs). Dominant caste, Caste Mobility: Sanskritization, Westernization. Caste identity and politics: Caste Organizations and Khap panchayat.

Unit III: Tribes in India

Concept, definition, scheduling the tribe, socio-economic status of tribes, tribe-caste continuum, tribal movements.

Unit IV: Contributions to Indian Anthropology

L.K.A. Krishna Aiyer, D. N. Majumdar, M.N. Srinivas, Louis Dumont, Iravati Karve, N. K. Bose, L. P. Vidyarthi, and C.von. Furer-Haimendorf, Verrier Elwin.

Suggested Readings

- Bayly, S. 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: Oxford University Press.
- Cohn, B. 1971. *India: The Social Anthropology of a Civilization*. London: Prentice-Hall.
- Danda, A.K. 1995. *Foundations of Anthropology in India*. New Delhi: Inter-India.
- Dumont, L. 1976. *Homo Hierarchicus*. Delhi: Vikas Publishing House.

- Inden, R. 1980. *Imagining India*. Oxford: Basil Blackwell.
- Khilnani, S. 1997. *The Idea of India*. New Delhi: Penguin.
- Mandelbaum, D. G. 1972. *Society in India*, 2 Vols. Bombay: Popular.
- Saksena, H.S. et.al. (eds.). 2010. *Anthropology in India*. Delhi: Serials Publications.
- Singer, M. 1955. *The Cultural Pattern of Indian Civilization*. *The Far Eastern Quarterly*, 15(1). Srinivas, M.N. 1987. *Dominant Caste and Other Essays*. Delhi: Oxford University Press. Xaxa, V. 2008. *State, Society and Tribes: Issues in Post-colonial India*. Delhi: Pearson Longman.

ANT-PG-O304 ANTHROPOLOGY OF NORTH EAST INDIA

Unit I: Introduction

Origin and growth of Anthropology in Northeast India: Colonial and Post-colonial ethnographies, Contemporary anthropological research in Northeast India.

Unit II- People of North-East India

Language, culture, customary law, folk tradition, ethnicity, religion, social change, development.

Unit III: Issues and Problems

Relevant constitutional provisions; Politics of identity, migration, insurgency, movements, indigeneity, Inner-line permits, Look East Policy.

Unit IV: Anthropology of Sikkim

People, Culture, Religion, Identity and Development.

Suggested Readings

Balikci, Anna. 2008. *Lamas, Shamans and Ancestors: Village Religion in Sikkim*.

Leiden: Brill.

Bhasin, Veena. 2002. 'Ethnic Relations among the People of Sikkim', *Journal of Social*

Sciences, 6 (1): I -20.

Burling, R. 2007. 'Language, Ethnicity and Migration in North-Eastern India', *Journal of South Asian Studies*, 30(3): 391-404.

Elwin, Verrier. 1959. *The Art of Northeast Frontier of India*. Shillong.

Gowloog, Rip Roshina. 1995. *Lingthem Revisited: Social Changes in a Lepcha Village*

of North Sikkim. New Delhi: Har-Anand Publications

Fürer-Haimendorf, C. von. 1939. *The Naked Nagas*. London: Methuen & Co Ltd.
Gurdon, P.R.T. 1914. *The Khasis*. London: Macmillan.

Hazarika, S. 2000. *Strangers of The Mist: Tales of War & Peace from India's Northeast*. Delhi: Penguin.

Longkumer, A. 2010. *Reform, Identity, and Narratives of Belonging: The Heraka Movement of Northeast India*. New York: Continuum.

Mills. J.P. 1922. *The Lhota Nagas*. London: Macmillan.

Ramirez, Philippe. 2014. *People of the Margins: Across Ethnic Boundaries in North-East India*. Guwahati: Spectrum Publications.

Subba, T.B. 2012. *Northeast India: A Handbook of Anthropology*. Orient Black Swan Pvt. Ltd, Hyderabad.

ANT-PG-C305 BIO-CULTURAL ANTHROPOLOGY

Unit I: Introduction

Concept, definition, scope, significance of bio-cultural approach in Anthropology. Human Adaptability programme. Nutritional deficiency diseases (Kwashiorkor, Marasmus, anemia, iodine deficiency).

Unit II: Bio-cultural aspects of health and disease

Population health and culture, co-evolution of people and disease, reproductive and child health, Bio-cultural aspects of growth and nutrition, genetic diseases–Sickle cell haemoglobin, haemoglobin E, haemoglobin C, G6PD deficiency and thalassemia.

Unit III: Human adaptability

Adaptation, homeostasis, human adaptation to heat, cold and high altitude, man's physiological responses to environmental stresses, body build and climatic adaptation.

Unit IV: Anthropological Demography

Biological and socio-ecological factors influencing fecundity, fertility, mortality, bio-cultural problems of aged people, factors influencing longevity; genetic, socio-cultural and psychological.

Suggested Reading:

Bose, K. (ed.) 2006. *Ecology, Culture, Nutrition, Health and Disease*. Delhi: Kamla-Raj Enterprises.

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

Fox, R. 1975. *Bio-social Anthropology*. London: Malaby Press

Goodman, A. H. and T. L. Leatherman (eds.). 1998. *Building a New Biocultural Synthesis*. Michigan: University of Michigan Press.

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

Harrison, G.A. and H. Morphy. 1998. Human Adaptation. Oxford: Oxford University Press.
Johnston, F.E. (ed.). 1987. Nutritional Anthropology. New York: Alan R. Liss, Inc.
Mahadevan, K. et al. 1999. Reproductive Health of Human Kind in Asia and Africa. Delhi: BR Publications.
Strickland, S.S. and P.S. Shetty. 1998. Human Biology and Social Inequality. Cambridge: Cambridge University Press.
Ulijaszek S.J. and S. Strickland. 1993. Nutritional Anthropology: Prospects and Perspectives. London: Smith Gordon Publishing.

ANT-PG-C306 HUMAN GROWTH AND DEVELOPMENT

Unit I: Introduction

Definition and concept of growth and development, stages of growth and their characteristics- pre-natal, prenatal, infancy, childhood, adolescence, maturity and senescence.

Unit II: Methods of studying growth and development

Longitudinal, Cross-sectional, mixed longitudinal, Growth curve-Distance growth curve and velocity growth curve, catch-up growth, Epiphyseal union, dentition, secular trends, Gerontology.

Unit III: Nutritional requirements of humans

Infancy to old age- Proteins, carbohydrates, fats, minerals and vitamins, factors affecting growth-hereditary, environment, hormone, nutrition, socioeconomic.

Unit IV: Human physique and somatotype

Sheldon, Parnoll, Heath-Carter, methods for assessing growth and body composition, growth and adaptation to stresses of nutrition and diseases.

Suggested Readings

Bogin, B. 1999. Patterns of Human Growth. Cambridge: Cambridge University Press.
Cameron, N. 2002. Human growth and development. St. Louis: Academic Press.
Carter, J.E.L. 1980. The Heath-Carter Somatotype Method. San Diego: SDSU Syllabus Service.
Dasgupta, P. and R. Hauspie. (ed.). 2001. Perspective in Human Growth, Development and Maturation. New Delhi: Springer.
Eveleth, P. B. and J. M. Tanner. 1990. Worldwide variation in Human Growth. Cambridge: Cambridge University Press.
Heath, B. H. and J. E. L. Carter. 1990. Somatotyping: Development and Applications. Cambridge: Cambridge University Press.
Himes, J. H. (ed.). 1991. Anthropometric Assessment of Nutritional Status. New York: Wiley-Liss.
Roche, A. F. 1992. Growth, Maturation and Body Composition. Cambridge: Cambridge University Press.
Shephard, R. J. 2005. Body Composition in Biological Anthropology. Cambridge: Cambridge University Press. 17
Thompson, J. L., G.E. Krovitz and A.J. Nelson. 2003. Patterns of Growth and Development in the Genus Homo. Cambridge: Cambridge University Press.

ANT-PG-C307 PRACTICAL IN PHYSICAL ANTHROPOLOGY –I

Unit I: Somatoscopy

Introduction: Skin colour, hair colour, hair form, hair texture, eye colour, eye fold, eye slit, forehead, nasal root, nasal bridge, nasal septum nasal tip, nasal wings, lips and chin.

Unit II: Osteology

Introduction, identification, drawing and description of bones of human skeleton-normaverticalis, norma frontalis, norma occipitalis, norma basalis. normalateralis, vertebrae, scapula, clavicle, humerus, radius, ulna, hip bone, femur, tibia and fibula.

Unit III: Anthropometry and Somatometry

Introduction and scope, measurement: stature, sitting height, body weight, height tragus, acromion height, height radiale, height stylion, height dactylion, height ilio-cristale, height ilio-spinale, height suprasternale, biacromial breadth, bicristal breadth, upper-arm length, forearm length, hand length, hand breadth, foot length, foot breadth, head length, head breadth, minimum frontal breadth, bizygomatic breadth, bigonial breadth, nasal height, nasal breadth, nasal depth, morphological facial height, morphological superior facial height, physiognomic facial height, physiognomic superior facial height, mouth breadth, height of lips, physiognomic ear length, physiognomic ear breadth.

Somatometric indices: body mass index, ponderal index, relative sitting height (cormic) index, cephalic index, relative biacromial breadth index, relative bicristal breadth index, Morphological (total) facial index, morphological upper facial index, nasal index, jugo-frontal index, jugo-mandibular index, hand index.

Unit IV: Measurements of body composition

Skinfold measurement: biceps, triceps, sub-scapular, supra-iliac, supra-spinale, chest, thigh, abdomen and calf, bicep girth, calf girth, epicondylarhumerus breadth, epicondylar femur breadth, height, weight. Indices-body fat percentage, fat mass and fat free mass, somatotyping techniques and analyses.

Suggested Readings

- Chaurasia, B. D. 1984. Human Osteology. New Delhi: CBS.
- Das, B. M. and R. Deka. 1992. Physical Anthropology Practical. Allahabad: Kitab Mahal.
- Dwight, T. 1978. The Identification of the Human Skeleton. Boston: Massachusetts Medical Society.
- Montague, M. F. A. 1961. An Introduction to Physical Anthropology. Illinois: Charles C. Thomas. 18
- Mukherji, D., D. P. Mukherjee and P. Bharati. 2009. Laboratory manual for Biological Anthropology. Kolkata: Asian Books Pvt. Ltd.
- Sen, T. 1994. Anthropometry. Calcutta: The World Press.
- Singh, I. P. and M. K. Bhasin. 2004. A Manual of Biological Anthropology. Delhi: Kamla Raj Enterprises.
- Ulijaszek, S. J. 1995. Human Energetics in Biological Anthropology. Cambridge: Cambridge University Press.
- Ulijaszek, S. J. and C. G. N. Mascie-Taylor. 1994. Anthropometry: The Individual and Population. Cambridge: Cambridge University.
- Weiner, J. S. and J. A. Lourie. 1981. Practical in Human Biology. London Academic Press.

Unit I: Introduction

Concepts of health, disease, illness, healing. Approaches: popular, folk, professional. Socio-cultural and environmental dimensions of health, occupational and life-style ailments.

Unit II: Ethno-medicine

Ethno medical practices in India, traditional healers and their predicaments, ethno-psychiatry, Cross cultural aspects of normality and abnormality, culture-bound psychological disorders and healing, social stigma towards diseases and ailments.

Unit III: Medical pluralism in India

Ayurveda, Siddha, Unani, Naturopathy, Homeopathy and Allopathic medical practices.

Unit IV: Application of anthropological knowledge

Social inequality and health care Delivery resources. Current health care programs for Nutritional Deficiencies; Health care promotion policies and programmes in Urban, Rural and Tribal areas

Suggested Readings

Bhat,H.K. et al,2013. Explorations in Indian Medical Anthropology. New Delhi : Concept Publishing House.

Copeman, J.2010. Veins of Devotion: Blood Donation and Religious experience in North India. NJ: Rutgers University Press.

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, B. J. 1993. Medicine, Rationality and Experience: An Anthropological Perspective. Cambridge: University Press.

Hans A. Baer, M. Singer and I. Susser. 2003. Medical Anthropology and the World System. 2nd edn. London: Preager.

Jolerman, Donald. 2009. Exploring Medical Anthropology. 3rdedn. London: Routledge

Leslie, C. 1976. Asian Medical Systems. Berkeley: University of California Press.

Ohtsuka, R. and J. Ulijaszek. (eds.). 2007. Health Change in Asia-Pacific Region. Cambridge: Cambridge University Press.

Singh, B. and N. Mahanti. 1995. Tribal Health in India. New Delhi: Inter-India Publishers.

Worsley, P. 1982. 'Non-Western Medical Systems', Annual Review of Anthropology 11.

ANT-PG-C402 CONTEMPORARY ISSUES IN ANTHROPOLOGY

Unit I: Gender Issues

Anthropological approaches to Gender studies, Social and Biological theories of Gender, Gender Socialization, Masculinities/Feminites, Queer Anthropology (LGBTQ), Feminism and Feminist movement. Gender and Media.

Unit II: Social Exclusion and Inclusion

Concepts of Social Exclusion and Inclusion. Marginalization and Deprivation, Reservation policy and weaker sections, Inclusive Growth and Development.

Unit III: Border and Borderland

Boundaries, Frontiers. Development of Anthropology of Borderlands. Socio-cultural dynamics of borders and borderlands.

Unit IV: Borderland Issues

State formation, Migration and Displacement across borders, Borderland Livelihood Issues Strategies, Cross-border Border Identities.

Suggested Readings

Butler, J (1990) Gender Trouble: Feminism and the Subversion of Identity. New York and London: Routledge.

Connell, R.W.2002. Gender. Cambridge: Polity Press.

Dube, L. 1997. Comparative Perspectives in Gender in South and Southeast Asia. New Delhi: Vistaar.

Duncan, M. 2016. Borderland City in New India. Amsterdam: Amsterdam University Press.

Lamont, Micheal and Virag Molnar, 2002; The Study of Boundaries in the Social Sciences, Annual Review of Sociology, 2002. 28:167–95

Mishra, Sanghamitra, 2011; Becoming a Borderland: The Politics of Space and Identity and in Colonial Northeastern India, Routledge, New Delhi

Moore, H.L. 1994. A Passion for Difference: Essays in Anthropology and Gender. Bloomington: Indiana Univ. Press.

Ortner, S.B. and H. Whitehead. 1956. Sexual Meanings: The Cultural Context of Gender and Sexuality. Cambridge: University Press.

Pal, M., P. Pathak, P. Bharati, B. Ghosh, and A. Majumdar. 2012. Gender Issues and Empowerment of Women. New York: Nova Science Publishers.

Rachel Alsop, Annette Fitzsimmons and Kathleen Lennon(eds) 2002 . Theorizing Gender, Oxford: Polity Press

ANT PG-C403 MATERIAL CULTURE AND VISUAL ANTHROPOLOGY

Unit I: Introduction

Origin, Scope and development of Visual Anthropology. Visual Anthropology in Ethnography. Photo ethnography.

Unit II: Visual Communication

Cinema (world cinema, observational cinema) Art and visual communication, Visual Aids in Ethnographic studies, Documentary films and Ethnographic films, New Media, Process of Production and representation.

Unit III: Material Culture

Material Culture Theory. Objects, Meanings and Property. Cultural Commodification.

Unit IV: Museum Studies

History and purpose of Museums. Types of Museums. Tangible and Intangible Heritage, Ownership and Intellectual property, Repatriation issues.

Suggested Readings

Uberoi, P. (1998) "The Diaspora comes home: Disciplining desire in DDLJ", Contributions to Indian Sociology, Vol. 32, No. 2 November, pp. 305-336. [Online] Available at:

<http://cis.sagepub.com/content/32/2/305.refs>

Weakland, J. (1975) "Feature Films as Cultural Documents", In Hockings, P. (ed) Principles of Visual Anthropology, Mouton, pp. 231-251.

Young, C. (2003) "Observational Cinema", in P. Hockings. (ed) Principles of Visual Anthropology. Berlin: Mouton de Gruyter.

Films

SchoolScapes, 2007. (Film) Directed by David MacDougall. Australia: Centre for Cross Cultural Research, Australian National University.

Nanook of the North, 1922. (Film) Directed by Robert Joseph Flaherty. USA: Athépicture.

Water, 2005. (Film) Directed by Deepa Mehta. Canada: Deepa Mehta Films.

War Photographer, 2001. (Film) Directed by Christian Frei. USA.

Banks, M. and Morphy, H. (1997) eds. Rethinking Visual Anthropology. Yale University Press.

Grimshaw, A. and Ravetz, A. (2009) Observational Cinema: Anthropology, Film and the

Exploration of Social Life. Bloomington: Indiana University Press.

Larkin, B. (1997) "Indian Films and Nigerian Lovers: Media and the Creation of Parallel

MacDougal, D. 1998. 'Visual Anthropology and the Ways of knowing'. In MacDougall Transcultural Cinema. Pp. 61-92. Princeton: Princeton University Press.

Uberoi, P. (1998) "The Diaspora comes home: Disciplining desire in DDLJ", Contributions to Indian Sociology, Vol. 32, No. 2 November, pp. 305-336. [Online] Available at: <http://cis.sagepub.com/content/32/2/305.refs>

Suggested Readings for Material Culture and Museum Studies-

Appadurai, A. (ed) (1986) The Social Life of Things: Commodities in Cultural Perspective. Cambridge: Cambridge University Press.

Geismer, H. (2013) Treasured Possessions: Indigenous Interventions into Cultural and Intellectual Property. Durham: Duke University Press.

Miller, D. (ed.) (1998) Material Cultures: Why Some Things Matter. UCL Press: London.

Tapsell, P. (2002) "Partnership in Museums: A Tribal Maori Response to Repatriation." In C. Forder, J. Hubert and P. Turnbull, eds. In The Dead and their possessions: Repatriation in principle, policy and practice. New York: Routledge, pp. 284-292.

Tilley, C., W. Keane, S. Küchler, M. Rowlands, and P. Spyer, eds. 2006. Handbook of material culture. London: SAGE.

ANT-PG-C405: HUMAN GENETICS

Unit I: Introduction

Meaning and scope, concept of gene, DNA and RNA structure, types and their functions, genetic code, linkage and crossing over.

Unit II: Patterns of Inheritance

Mendelian inheritance, patterns of inheritance-autosomal (dominant, recessive and co-dominance), sex-linked inheritance, sex-influenced, sex-limited, lethal genes, modifying genes, multiple alleles.

Unit III: Human Cytogenetic

Identification of human chromosome, Karyotyping and nomenclature, techniques of Studying human Chromosomes, Numerical and Structural Chromosomal Abnormalities, sex determination, Lyon's hypothesis.

Unit IV: Population Genetics

Definition, aim and scope, Hardy-Weinberg Law, genetic polymorphism, mating patterns-random mating, assortative mating, consanguinity and inbreeding, miscegenation, genetic load, selection and genetic polymorphism.

Suggested Readings

Crawford, M.H. (ed.). 2006. Anthropological Genetics. Cambridge: Cambridge University Press.
Cummings, M. R. 2009. Human Heredity: Principles and Issues, 8th edition. Belmont, CA: Brooks.
Gisli, P. 2007. Anthropology and the New Genetics. Cambridge: Cambridge University Press.
Hartwell, L.H. 2011. Genetics: From Genes to Genomes, 4th Edition. New York: McGraw-Hill.
Hedrick, P. W. 2011. Genetics of Populations, 4th edition. Massachusetts: Jones and Bartlett Publishers.
Knight, J. C. 2009. Human Genetic Diversity. Oxford: Oxford University Press.
Lewis, R. 2003. Human Genetics: Concepts and Applications, 9th edition. New York: McGraw-Hill.
Maynard, S. J. 1999. Evolutionary Genetics. New York: Oxford University Press.
Pasternak, J. J. 2005. An Introduction to Human Molecular Biology. New Jersey: John Wiley & Sons.
Speicher, M. R., S. E. Antonarakis and A.G. Motulsky. 2010. Vogel and Motulsky's Human Genetics, 4th edition. Berlin: Springer-Verlag.

ANT-PG-C406: APPLIED PHYSICAL ANTHROPOLOGY

Unit I: Introduction

Nature, aim and scope of Applied Anthropology, Brief history and development of Applied Anthropology, sport anthropology, nutritional anthropology, dental anthropology, and application of Anthropometry: making clothing, footwear, automobile, defense equipment, selecting defense personnel.

Unit II: Application of Dermatoglyphics

Meaning, history and identification, classification of finger, palm and sole print, inheritance patterns, personal identification, disease, paternal dispute and population variation.

Unit III: Application of forensic Anthropology

Definition, aim and scope, establishment of identity through skeletal remains, reconstruction from skeletal remains, identification through hair, body fluids, semen, saliva.

Unit IV: Application of Genetics

Genetic imprints in human disease, Genetic counselling, genetic screening, genetic engineering, DNA profiling, gene mapping and genomic study.

Suggested Readings:

Bartsocas, C. S. (Ed.). Progress in Dermatoglyphics. New York: Alan R. Liss, Inc.
Croney, J. 1981. Anthropometry for Designers. New York: Von Nostrand Reinhold Company.
El-Najjer, M. Y. and McWilliams, R. 1978. Forensic Anthropology. Springfield: Charles C. Thomas Publishers.
Lewis, Rick. 2001. Human Genetics: Concepts and Applications. London: McGraw Hill.

Loesch, D. Z. 1983. Quantitative Dermatoglyphics: Classification, Genetics and Pathology. Oxford: Oxford University Press.

Sodhi, H. S. 1991. Sports Anthropometry. Mohali: Anova Publications.

Stevenson, A. C. and Davidson, B. C. 1976. Genetic Counselling. London: Heinmann.

Stewart, T. D. 1979. Essentials of Forensic Anthropology. Springfield: Charles C. Thomas and Company.

SurinderNath. 1984. Finger Print Identification. Delhi: Department of Anthropology, Delhi University.

Wortelecki, W. and Plato, C. C. (Eds.). 1979. Dermatoglyphics – Fifty Years Later. New York: Alan R. Liss, Inc.

ANT-PG-C407: PRACTICAL IN PHYSICAL ANTHROPOLOGY–II

Unit I: Osteometry:

Introduction, direct measurements on scapula, clavicle, humerus, ulna, radius, femur and tibia, diaptograph tracing and measurements on scapula, clavicle, humerus, ulna, radius, femur and tibia.

Unit II: Craniometry:

Introduction, linear measurements: maximum cranial length, glabella-inion length, maximum cranial breadth, nasion-inion length, bi-mastoid diameter, bi-auricular breadth, maximum frontal breadth, minimum frontal breadth, bizygomatic breadth, nasion-prosthion length, nasal height, nasal breadth, orbital height, orbital breadth, palatal length, palatal breadth, maxilla-alveolar length, maxillo-alveolar breadth, length of foramen magnum, breadth of foramen magnum, frontal chord, parietal chord and occipital, bi-condylar breadth of mandible, bigonial breadth, height of ramus and minimum breadth of ramus.

Angular measurements on skull: Angles with F.H. plane as base: facial profile angle, Nasal profile angle, Alveolar profile angle and Metopic angle, angles with Nasion-Inion plane as base: frontal angle of Schwalbe, Bregma angle of Schwalbe and Lambda angle of Schwalbe. Indices: cranial index, nasal index, orbital index, palatal index, maxilla-alveolar index, mandibular index.

Unit III: Genetic markers:

Introduction, classification of ABO and Rh blood systems, total haemoglobin estimation, Dermatoglyphic: finger and palm print patterns, palmar topography, main line formula and tracing and indices (Furuhata's index, Dankmeijer's index and pattern intensity index).

Unit IV: Physiological measurement:

Introduction, technique and measurement of pulse rate, body temperature, blood glucose test and blood pressure, colour blindness, PTC taste sensitivity.

Suggested Readings

- Cummings, R. M. 2009. Human Genetics. New Delhi: Cengage Learning India Pvt. Ltd.
- Cummins, H. H. and Midlo, C. 1961. Finger Prints, Palms and Soles. New York: Dover Publication Inc.
- Damon, A. 1975. Physiological Anthropology. New York: Oxford University Press.
- Das, B. M. and R. Deka. 2001. Physical Anthropology: Practical. Allahabad: Kitab Mahal.
- Shukla, B.R.K. and S. Rastogi 2003. Laboratory Manual of Physical Anthropology (Anthropometry and Osteology). Lucknow: Bharat Book Centre.
- Singh, I. P. and Bhasin, M. K. 1989. Anthropometry. New Delhi: Kamla Raj Enterprises.
- Singh, I. P. and Bhasin, M.K . 2004. A Manual of Biological Anthropology. New Delhi: Kamla Raj Enterprises.
- Walt, R. and Katharine, G. F. 1999. Molecular Biology Techniques: An Intensive Laboratory Course. New York: Academic Press.
- Weiner, J. S. and Laurie, J. A. 1969. Practical in Human Biology. Oxford: Blackwell Scientific Publications.
- Wolf, J. B. 2001. Applied Molecular Biology: Beginning Laboratory Manual. Baltimore: University of Maryland.