



National Education Policy-2020
Common Minimum Syllabus for all U.P. State Universities/ Colleges
SUBJECT: ANTHROPOLOGY

Name	Designation	Affiliation
Steering Committee		
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Prof. Poonam Tandan	Professor, Dept. of Physics	Lucknow University, U.P.
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Supervisory Committee - Arts and Humanities Stream		
Prof. Divya Nath	Principal	K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P.
Prof. Ajay Pratap Singh	Dean, Faculty of Arts	Ram Manohar Lohiya University, Ayodhya
Dr. Nitu Singh	Associate Professor	HNB Govt P.G College Prayagaraj
Dr. Kishor Kumar	Associate Professor	K.M. Govt. Girls P.G. College Badalpur, G.B. Nagar, U.P.
Dr. Shweta Pandey	Assistant Professor	Bundelkhand University, Jhansi

Syllabus Developed by:

S. No.	Name	Designation	Department	College/ University
1	Dr. Rahul Patel	Assistant Professor (stage III)	Anthropology	University of Allahabad (Central University) Prayagraj (U.P.) -211002.
2	Dr Vibha Agnihotri	Associate Professor	Anthropology	Nari Shiksha Niketan (PG) College, Lucknow (U.P.)-226001.
3	Prof. (Dr) Udai Pratap Singh	Professor	Anthropology	University of Lucknow, Lucknow (U.P.)-226007.

B.A. in Anthropology

PROGRAMME SPECIFIC OUTCOMES (PSOs)-

Program Outcome (After 3 Years of Study)

- a) This course provides a Holistic idea on fundamentals of Anthropology, Anthropological knowledge as well as its applications for the welfare of wider society.
- b) This course intends to orient the learner with the Approaches to the broader discipline of Anthropology.
- c) It will help in developing analytical and critical thinking based on the themes and issues of Anthropology.
- d) It eventually prepares the students to understand the origin, development of the discipline and delve around issues suited to the needs of the contemporary world.
- e) It will help in elaborate understanding of the basic concepts of Anthropology and augment knowledge on the emerging trends of the discipline.
- f) Acquisition of in-depth understanding of the applied aspects of Anthropology as well as interdisciplinary/ allied disciplines in everyday life.
- g) It will help in generation of critical thinking and skills facilitation.
- h) The application of anthropological knowledge in resolution of issues and conflicts of the society.
- i) The programme focuses on both traditional and advance cotemporary skills associated with the discipline on one side, on the other it helps the learners to be well versed with Indian culture, society, traditional knowledge, Indigenous knowledge systems of our country through its unique fieldwork tradition.**

- List of all papers in all six semesters.

Semester-wise Titles of the Papers in BA(Anthropology)

Year	Sem.	Course Code	Paper Title	Theory/Practical	Credits
1	I	A170101T	Foundations of Anthropology	Theory	4
1	I	A170102P	Anthropometry & Human Osteology	Practical	2
1	II	A170201T	Social-cultural Anthropology	Theory	4
1	II	A170202P	Methods and Techniques of Social Anthropology	Practical	2
2	III	A170301T	Archaeological Anthropology	Theory	4
2	III	A170302P	Museology and Prehistoric Tools	Practical	2
2	IV	A170401T	Physical Anthropology and Human Evolution	Theory	4
2	IV	A170402P	Nutrition, Growth and Development.	Practical	2
3	V	A170501T	Anthropological Theories and Research Methods	Theory	4
3	V	A170502T	Human Genetics and Ethnic Variation	Theory	4
3	V	A170503P	Serology, Dermatoglyphics & Forensic Anthropology	Practical	2
3	V	A170504R	Material Culture of tribal/rural societies	Project	3
3	VI	A170601T	Indian Anthropology	Theory	4
3	VI	A170602T	Tribal and Rural Development	Theory	4
3	VI	A170603P	Social Problems and Environment Building	Practical	2
3	VI	A170604R	Fieldwork	Project	3

**BA 1st Year, Sem. I ,
Course I
(Theory)**

Programme/Class: Certificate/ BA	Year: First	Semester: First
Subject: Anthropology		
Course Code: A170101T	Course Title: Foundations of Anthropology	
<p>Course outcomes: Students will be able to understand-</p> <ul style="list-style-type: none"> • Fundamentals of Anthropology. • Elaborate knowledge on core branches and sub branches of Anthropology. • Basics of Indigenous Knowledge, Cultural Resource Management, Bhartiya Gyan Parampara, Indian Healing Traditions. 		
Credits: 4	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Meaning and Scope of Anthropology: Origin and development, Branches of Anthropology, a) Social-Cultural Anthropology, b) Physical/Biological Anthropology, c) Archaeological Anthropology, d) Linguistic Anthropology.Sub-branches, Relations of Anthropology with other disciplines: Life Sciences; Earth Sciences; Medical Sciences; Social Sciences and Humanities.	8
II	Social-Cultural Anthropology (The basic terms and Concepts) : Culture, Society, Association, Institution Caste, Tribe, Group, Social Structure, Social Organization, Status, Role, Culture change, Acculturation, Enculturation, Socialization	8
III	Biological Anthropology: Scope and Branches of Physical Anthropology;Basic terms and concepts: Human Genetics; Primates; Human Race; Organic Evolution, Natural Selection, Mutation; Paleoanthropology.	8
IV	Archaeological Anthropology: definition of Archaeological anthropology, Geological time scale, Pleistocene, Glaciations and Pluviations, artifacts, Tool Typo-thechnology.,	8
V	Linguistic Anthropology: meaning and scope, Written and unwritten language, speech, language and dialect, phonemes and morphemes defined and distinguished.	6
VI	Medical Anthropology: Definition and scope. Health, Illness and disease, Ethnomedicine, Medical practitioners in tribal societies. Shaman and Shamanism. Indigenous knowledge system of Indian rural and tribal villages. Indian Healing Traditions. AYUSH.	8
VII	Visual Anthropology: Meaning, Definition and Scope, Historical Development of Visual Anthropology Role of Visual Anthropology in	7

	Fieldwork. Ecological Anthropology : meaning and scope. Applied and Action Anthropology : meaning and scope.	
VIII	Heritage Resource Management (HRM)/ Cultural Resource Management (CRM): meaning and scope, intangible and tangible aspects of Indian Culture, Role of Anthropology in heritage management. Bhartiya Gyan Parampara (Indian Knowledge Tradition).	7

Suggested Readings:

1. Mair, L.(1965/2006)An Introduction to Social Anthropology. Claredon Press, Michigan.
2. C.R., Ember, M.R.&Peregrine P.N. (2010) Anthropology. Pearson, New York. (Also available in Hindi)
3. Harris, M. Johnson, O. (1983) Cultural Anthropology. Harper & Row, University of California.
4. Kluckhohn, C.(1949)Mirror for Man: The Relation of Anthropology to Modern Life. Whittlesey House, New York.
5. Beattie, J. (1964). Other Cultures. Cohen & West Limited, London.
6. Lang, G. (1956). Concept of Status and Role in Anthropology: Their Definitions and Use. The American Catholic Sociological Review.17(3): 206-218
7. Parsons, T. (1968). The Structure of Social Action. Free Press, New York.
8. Rapport, N. and Overing J. (2004). Key Concepts in Social and Cultural Anthropology. Routledge, London.
9. Standford, C. Allen, J.S. and Anton S.C. (2012). Biological Anthropology: The Natural History of Mankind. PHI Learning Private Limited, New Delhi.
10. Jurmain, R. Kilgore L., Trevathan W., Ciochon R.L. (2012). Introduction to Physical Anthropology. Wadsworth Publishing, USA.
11. Kroeber A. L. (1948). Anthropology. Oxford & IBH Publishing Co., New Delhi.
12. Montague, A. (2012) An Introduction to Physical Anthropology. Literary Licensing, LLC, Wisconsin.
13. Das, B.M (2003) Outlines of Physical Anthropology. Kitab Mahal, Allahabad.
14. Shukla, B.R.K. Rastogi, S.(2012) Physical Anthropology & Human Genetics - An Introduction Palaka Prakashan, N.Delhi (Also available in Hindi)
15. Madan T.N. & D.N. Majumdar (1967) Introduction to Social Anthropology. Asia Publishing House, Mumbai. (Also available in Hindi)
16. Srivastava, A.R.N. (2013) Essentials of Cultural Anthropology, PHI Learning, New Delhi.
17. Hasnain, N. (2011) Indian Society and Culture: Continuity and Change. Jawahar Publishers & Distributors, Delhi.
18. Kalla, A. K. and Joshi, P. C.(2004) Tribal Health and Medicines. (eds.) Concept Publishing. New Delhi.
19. Joshi, P.C. and Mahajan, A. (1995) Studies in Medical Anthropology. Reliance Publishing Co. N.Delhi.
20. Hasnain, N. (2019) Indian Society: Themes and Social Issues. McGraw Hill Education India, New Delhi.
21. Misra, U.S. Hasnain, N. (2003) Introducing Social-Cultural Anthropology. Jawahar Publishers & Distributors, Delhi. (Also available in Hindi)
22. Patel, R. Mishra, R.(2016) Dimensions of Health: Divergent worldviews, Converging Concerns. NRBC, Lucknow
23. Upadhyay, S. Patel, R. (2005) The Nicobarese: A Tribe in Search of Identity. AIHSD, Lucknow.
24. Singh, U.P. (2001) Jaivik Manav Vigyan, Prakashan Kendra, Lucknow.(in Hindi)
25. Singh, U.P. (2003) Anuvanshik Manv Vigyan, NRBC, Lucknow (in Hindi)
26. Singh, U.P. Singh, A.K. (1999) Human Ecology and Development in India. A.P.H. Publishing, N.Delhi.
27. Singh, Nirja (2007) Parichayatmak Manavvigyaan. K.K.Publications, Allahabad.(in Hindi)
28. Sharma, A.N. (2009) Shareerik Maanavvigyaan. Abhivyakti Prakashan. Allahabad. (in Hindi)
29. मजूमदार, डी. एन. शरण, गोपाल(2003) प्रागितिहास. हिंदीमाध्यमकार्यान्वयनिदेशालय,दिल्ली.
30. अग्निहोत्री, विभा एवं अन्य (2020) मानवशास्त्र की उत्पत्ति एवं इतिहास. सत्यम पब्लिशिंग हाऊस. दिल्ली

This course can be opted as an elective by the students of following subjects: Open for all.

Suggested Continuous Evaluation Methods:
Assignment / Test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students

Suggested equivalent online :
<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1>
Swayam
Coursera

**BA1st Year, Sem. I
Course II
(Practical)**

Program/Class: Certificate/BA	Year: First	Semester: First
Subject: Anthropology		
Course Code:A170102P	Course Title: Anthropometry & Human Osteology	
<p>Course Learning Outcomes</p> <p>On completion of this course, learners will be able to:</p> <ul style="list-style-type: none"> ● Understand the basic concepts and applications of anthropometry and osteology ● To understand bases of human variations and racial classifications. 		
Credits: 2		Core Compulsory
Max. Marks: -25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): P-2/w		
Unit	Topics	No. of Lectures
I	Introduction to Anthropometry, scope and applications	4
II	<p>OSTEOLOGY</p> <ol style="list-style-type: none"> 1) Introduction 2) Bones & its function, difference between bone & cartilage 3) Types of skeleton: (a) Axial (b) Appendicular 4) Types of bones- long, short long, irregular, pneumatic, seasmoid, flat 5) Various joints& articulations: (a) perfect (b) imperfect 6) Cranium- normas: (a) bones (b) sutures 7) Long bones – humerus, clavicle, radius, ulna, femur, tibia, fibula. 8) Girdles – pectoral & pelvic <p>Identification, sketching and labeling of the bones of the lower and upper</p>	8

	limbs.	
III	<p>SOMATOMETRY (on 3 subjects)</p> <p>Maximum head length, Maximum head breadth, Minimum frontal breadth, Bizygomatic breadth, Bigonial breadth, Morphological total facial height, Morphological Superior facial height, Physiognomic total facial height, Physiognomic superior facial height, Nasal length, Nasal breadth, Head circumference, Ear length, Ear breadth. Height vertex, Height tragion, Height acromian, Height dactylion, Sitting height vertex, Body weight.</p> <p>INDICES: SOMATOMETRY: Cephalic Index, Facial Index, Nasal Index, Jugo- frontal Index, Jugo- mandibular Index.</p> <p>SOMATOSCOPY (on 3 subjects)</p> <p>Head form, Hair form, Facial form, Eye form , Nose , Hair colour, Eye colour, Skin colour</p>	10
IV	<p>CRANIOMETRY (on 3 crania and 3 mandibles)</p> <p>Maximum cranial length, Maximum cranial breadth, Maximum frontal breadth, Minimum frontal breadth, Bregma- Basion height, Bi-zygomatic breadth, Superior facial height, Nasal Length, Nasal breadth, Bi-orbital breadth,</p> <p>MEASUREMENTS ON MANDIBLE: Bicondylar breadth, Bigonial breadth, Breadth of ramus.</p> <p>INDICES: CRANIOMETRY: Cranial index, facial index, superior facial index, nasal index.</p>	8
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. Gray, Henry (2010) Gray's Anatomy for Students. Churchill Livingstone/Elsevier, Philadelphia. 2. Rastogi, S and Shukla, B.R.K. (2003) Laboratory Manual of Physical Anthropology. Bharat Book Centre, Lucknow. 3. रस्तोगी, सुधा. शुक्ला, बी.आर.के. (2019) प्रायोगिक शारीरिक मानव विज्ञान . भारत बुक सेंटर, लखनऊ. 4. Singh I. P. and Bhasin M.K. (1989). Anthropometry: A Laboratory Manual on Biological Anthropology. Kamla-Raj Enterprises, Chawri Bazar, Delhi 5. Comas, T. (1960) Manual of Physical Anthropology. Charles C. Thomas, Springfield. 		

6. Ashley Montagu, M.F. (1960) A Hand Book of Anthropometry. Charles. C. Thomas, Illinois.
 7. Weiner, J.S. & Lourie, J.A.(1969) Human Biology: A Guide to Field Methods. I.B P Hand Book No. 9, Blackwell Scientific Publication, Oxford.
 8. Wilder, H.H. (1921) Methods and Principles: A Laboratory Manual of Anthropometry. P. Blakiston's Son & Co. Philadelphia.
 9. Chaurasia, B.D. (2015) Handbook of General Anatomy. CBS Publishers and Distributors, Delhi.
 10. मित्रा,मिताश्री. चौबे, आर. (2004) प्रायोगिक मानव विज्ञान (शारीरिक) भाग-2, मध्य प्रदेश हिंदी ग्रन्थ अकादमी, भोपाल.
 11. अग्निहोत्री, विभा. (2016) प्रयोगात्मक शारीरिक मानव विज्ञान. सत्यम पब्लिशिंग हाऊस.दिल्ली

This course can be opted as an elective by the students of following subjects: Open for all

Note: In Final Examination Student shall be examined by external and internal examiners.
 Marks Distribution: Written Exam, Viva, Practical File.

Suggested equivalent online :
<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1>
 Swayam
 Coursera

**BA 1st Year, Sem. II,
 Course I
 (Theory)**

Program/Class: Certificate/BA	Year: First	Semester: Second
Subject: Anthropology		
Course Code:A170201T	Course Title: Social-cultural Anthropology	
Course Learning Outcomes On completion of this course, learners will be able to: <ul style="list-style-type: none"> To understand the concept, nature, meaning and scope of Social-Cultural Anthropology Learners will develop an understanding on social institutions, social organizations and changes taking place in social organizations. 		
Credits: 4	Core Compulsory	
Max. Marks: -25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Meaning and historical development of Social- Cultural Anthropology. It's relation with other social sciences: Sociology, Psychology, History & Economics.	7

II	Concepts of society and culture; status and role; groups and institution, caste and class, social stratification, civil society, social action, social conflict	7
III	Definition, types and forms of marriage. Marriage payments: Dowry and bride wealth. Rules and regulations (Prohibition, preferential, exogamy, endogamy, levirate and sororate). Universal definition of marriage, Live in relationship, ways of acquiring mates among Indian tribes.	7
IV	Definition, types and forms of family, Nuclear, extended and joint family system. Functions of Family. Continuity & Change. Rules of residence: patrilocal, virilocal, matrilineal, uxori-local and neolocal. Universality of family. Joint family system in India.	7
V	Kinship and Descent: Kinship Terms and Usages, Classificatory and Descriptive systems (Morgan's and Murdock's view) Patterns of descent. Kin groups- Lineage, Clan, Phratry, moiety. Avoidance and Joking Relationship, Couvade, Amitate, Avunculate, Teknonymy.	8
VI	Economic Anthropology, Economic Organization- primitive economy. Types of economy: food gathering, hunting, fishing, pastoralism, shifting cultivation and settled agriculture. Exchange. Types of exchange: Barter, Reciprocity, Redistribution, Ceremonial and Market Exchange.	8
VII	Political Anthropology, State and Stateless societies. Social control in stateless political systems. Definition of law and Primitive law. Cultural background of law (suitable cases)	8
VIII	Religion: Meaning and Definition. Theories of origin of religion: Animism, Animatism, Naturism, Functional theory and Sociological theory Magic, Religion and Science. Totemism and Taboo	8

Suggested Readings:

1. Beattie J. (1964). Other Cultures. London: Cohen & West Limited.
2. Davis K. (1981). Human Society. New Delhi: Surjeet Publications.
3. Delaney C. (2004). Orientation and disorientation In Investigating Culture: An Experiential Introduction to Anthropology. Wiley-Blackwell.
4. Ember C. R. et al. (2011). Anthropology. New Delhi: Dorling Kindersley.
5. Lang G. (1956). Concept of Status and Role in Anthropology: Their Definitions and Use. The American Catholic Sociological Review.17(3): 206-218
6. Parsons T. (1968). The Structure of Social Action. New York: Free Press
7. Rapport N. and Overing J. (2004). Key Concepts in Social and Cultural Anthropology. London: Routledge.
8. Madan T.N. & D.N. Majumdar (1967) Introduction to Social Anthropology. Asia Publishing House, Mumbai. (Also available in Hindi)
9. Srivastava, A.R.N. (2013) Essentials of Cultural Anthropology, PHI Learning, New Delhi.
10. Hasnain, N. (2011) Indian Society and Culture: Continuity and Change. Jawahar Publishers & Distributors, Delhi.
11. Hasnain, N. (2019) Indian Society: Themes and Social Issues. McGraw Hill Education India, New Delhi.
12. Misra, U.S. Hasnain, N. (2003) Introducing Social-Cultural Anthropology. Jawahar Publishers & Distributors, Delhi. (Also available in Hindi)
13. Mair, L.(1965/2006) An Introduction to Social Anthropology. Claredon Press, Michigan.
14. Harris, M. Johnson, O. (1983) Cultural Anthropology. Harper & Row, University of California.
15. Kluckhohn, C.(1949) Mirror for Man: The Relation of Anthropology to Modern Life. Whittlesey House, New York.

16. अग्निहोत्री, विभा (2016) सामाजिक मानवविज्ञान की रूप-रेखा. सत्यम पब्लिशिंग हाऊस. दिल्ली
Suggested Continuous Evaluation Methods: Assignment / Test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students
Course prerequisites: 12 th Standard Passed with sciences or arts/Open to all
Suggested equivalent online : https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1 Swayam Coursera

**BA 1stYear, Sem. II,
Course II
(Practical)**

Program/Class: Certificate/BA	Year: First	Semester: Second
Subject: Anthropology		
Course Code:A170202P	Course Title: Methods and Techniques of Social Anthropology	
Course Learning Outcomes On completion of this course, learners will be able to: <ul style="list-style-type: none"> ● Understand the basic idea of Methods and Techniques of Social Anthropology applied in collection of data in Social Anthropology. ● Student would require to learn and apply these techniques. 		
Credits: 2		Core Compulsory
Max. Marks: -25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): P-2/w		
Unit	Topics	No. of Lectures
I	Introduction of fieldwork in Anthropology, relevance and applications of fieldwork for the development of society.	6
II	Mapping, Observation, Interview, Genealogy: How these could be applied in fieldwork. (01 interview to be conducted and 02 genealogies to be prepared)	8
III	Questionnaire and Schedule: How to prepare a good questionnaire and schedule. (02 questionnaires and 02 schedules to be prepared by the student.)	8

IV	Case study, Life history, Participatory Rural Appraisal tools. (02 case studies have to be done by the student.)	8
Suggested Readings: <ol style="list-style-type: none"> 1. Bernard H.R. (1940). Research Methods in Cultural Anthropology. Newbury Park: Sage Publications. 2. Ferraro G. and Andreatta S. (2008). In Cultural Anthropology: An Applied Perspective. Belmont: Wadsworth. 3. Karen O'Reilly. (2012). Practical Issues in Interviewing, Ethnographic Methods. Abingdon: Routledge 4. O'reilly K. (2012). Ethnographic Methods. Abingdon: Routledge. 5. Royal Anthropological Institute of Great Britain and Ireland (1971). Methods: In Notes and Queries on Anthropology. London: Routledge & Kegan Paul Ltd. 6. अग्निहोत्री, विभा. (2017) मानवशास्त्रीय एवं समाजशास्त्रीय अनुसंधान. सत्यम पब्लिशिंग हाऊस. दिल्ली. 		
<p>Note: In Final Examination Student shall be examined by external and internal examiners. Marks Distribution: Written Exam, Viva, Practical File.</p>		
<p>Suggested equivalent online : https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1 Swayam Coursera</p>		

**BA 2ndYear, Sem. III,
Course I
(Theory)**

Programme/Class: Diploma/BA	Year: Second	Semester: Third
Subject: Anthropology		
Course Code: A170301T	Course Title: Archaeological Anthropology	
<p>Course outcomes: Students will be able to understand</p> <ul style="list-style-type: none"> • The course aim is to give basic understanding of concepts of archaeological anthropology. • Learner would be able to understand the basics of reconstruction of the past. • Learner would be able to understand how biological and cultural evolution of human beings has taken place with their changing environment. • This paper will generate a positivity to human past. 		
Credits: 4	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		

Unit	Topics	No. of Lectures
I	The meaning and scope of Archaeological Anthropology. Short range and long range methods of dating in Archaeology. The stone age tool technology	8
II	The Great Ice Age: Pluvials and Interpluvials. Stratigraphic and other evidences of ice age, eg., River Terraces, Moraines and Eustatic fluctuations. Alpine and Himalayan glaciations.	6
III	The chief subdivisions and cultures of west European Palaeolithic period, their stratigraphic and technological features (including the tool types and the techniques of their manufacture). The main features of European Upper Paleolithic art and their significance...	10
IV	A brief description of Indian Palaeolithic sites with reference to Soan and Bhimbetka, Bellan Valley, Madras Hand axe industry, Kandivili site and their stratigraphic and technological features (including the tool types and the techniques of their manufacture).	10
V	Mesolithic in Northern and Western Europe and the brief description of the corresponding Stone age industries in India with reference to Bhimbetka, Bagor, (Rajasthan), Langhnaj, (Gujarat), Birbhanpur, Teri Sites)	7
VI	The Chief Features of the Neolithic Revolution. The Neolithic Complex in India.	4
VII	The chief characteristics of the Indus civilization.	7
VIII	Megaliths: Definitions, distribution and main characteristics of the Indian Megalithic monuments. Brief introduction of Ganges Valley Civilization/ Copper Hoard culture	8

Suggested Readings:

1. Allchin and Allchin (1993). The Rise of Civilization of India and Pakistan. Cambridge University Press
2. Bhattacharya D.K. (1978). Emergence of Culture in Europe, Delhi, B.R. Publication.
3. Bhattacharya D.K. (1979). Old Stone Age Tools and Techniques. Calcutta, K.P. Bagchi Company
4. Bhattacharya D.K. (1996). Palaeolithic Europe. Netherlands, Humanities Press.
5. Champion et al. (1984). Prehistoric Europe. New York, Academic Press.
6. Fagan B.M. (1983). People of Earth: An Introduction. Boston, Little, Brown & Company.
7. Phillipson D. W. (2005). African Archaeology. Cambridge, Cambridge University Press.
8. Sankalia H.D. (1964). Stone Age Tools. Poona, Deccan College
9. Burkitt, M.C. (1963) Old Stone Age. Rupa & Co, N.Delhi.
10. D.K Bhattacharya (1991) Outlines of Indian Prehistory. Palaka Prakashan, N. Delhi. (Also available in Hindi)
11. Chaube, R. (2004) Pragithasic Manavshastra (in Hindi)
12. मजूमदार, डी. एन. शरण, गोपाल(2003) प्रागितिहास. हिंदीमाध्यमकार्यान्वयनिदेशालय,दिल्ली.
13. चाइल्ड, गॉर्डन. (2019) औजारोंकाइतिहास (अनुवादसुशीलकुमार), दिल्ली: गार्गीप्रकाशन.

This course can be opted as an elective by the students of following subjects: Open for all.

Suggested Continuous Evaluation Methods:
Assignment / test / Quiz(MCQ) / Seminar/ Presentations

Suggested equivalent online :
<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1>
Swayam
Coursera

**BA 2nd Year, Sem. III,
Course II
(Practical)**

Programme/Class: Diploma/BA	Year: Second	Semester: Third
Subject: Anthropology		
Course Code:A170302P	Course Title: Museology and Prehistoric Tools	
<p>Course outcomes: Students will be able to understand</p> <ul style="list-style-type: none"> • To differentiate between archaeological tool typology, technology, lithic industry. • To understand evolutionary trends in human past in human cultural aspects. • Course would be helpful in tracing the blue-print of mankind and the study of -who we are and how we came to be that way. 		
Credits: 2	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): P- 2/w		
Unit	Topics	No. of Lectures
I	Museum and Museology: Definition, concept, types and scope. Types of museums. Roles and responsibilities of museums: socio-cultural, educational, Entertainment. Museum organization: collection, identification, preservation, documentation, presentation (exhibition), research and educational activities, management. Identification and technological description of implements used by primitive people for their subsistence.	8
II	Typo-technological Analysis of Prehistoric Tools: Identification, Interpretation and Drawings of the tool Types 1. Core Tool Types 2. Flake Tool Types 3. Microlithic Tool Type	8
III	Typo-technological Analysis of Prehistoric Tools: Identification, Interpretation and Drawings of the tool Types 1. Blade Tool Types	7
IV	Typo-technological Analysis of Prehistoric Tools: Identification,	7

	Interpretation and Drawings of the tool Types 1. Neolithic Tool Type	
Suggested Readings:		
1. Bhattacharya D.K. (1979). Old Stone Age Tools and Techniques. Calcutta, K.P. Bagchi Company		
2. Sankalia H.D. (1964). Stone Age Tools. Poona, Deccan College.		
This course can be opted as an elective by the students of following subjects: Open for all		
Note: In Final Examination Student shall be examined by external and internal examiners. Marks Distribution: Written Exam, Viva, Practical File.		
Suggested equivalent online : https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1 Swayam Coursera		

**BA 2ndYear, Sem. IV,
Course I
(Theory)**

Program/Class: Diploma /BA	Year: Second	Semester: Fourth
Subject: Anthropology		
Course Code: A170401T	Course Title: Physical Anthropology & Human Evolution	
<p>Course Learning Outcomes</p> <p>On completion of this course, learners will be able to:</p> <ul style="list-style-type: none"> ● Meaning, concepts, scope of Physical Anthropology & Human Evolution. ● Understand Biological/Physical aspects of human beings and other primates. ● Helpful in tracing the blue-print of mankind and the study of “who we are and how we came to be that way”. 		
Credits: 4	Core Compulsory	

Max. Marks: 25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Meaning and Scope of Physical Anthropology, its relation to the other branches of Anthropology and the other Bio-Medical science. History of Physical Anthropology and development of Modern Biological anthropology, aim, scope and its relationship with allied disciplines. Difference in the approaches of modern and traditional Biological Anthropology, with emphasis on human evolution. Evolutionary Anthropology- its relevance in Physical Anthropology	8
II	Evolutionary Anthropology: Nature, Field Branches and Relationship with other Sciences, Primatology, Human Palaeontology, Relationship of Evolutionary Anthropology with other Sciences	8
III	Origin of Life and Evidence of Evolution. Theories of Organic Evolution: Lamarckian paradigm and the Mechanism of Evolutionary change. Darwin's theory of Natural Selection and its criticism. Neo-Darwinism and the Synthetic Theory of Evolution.	7
IV	Taxonomy and Classification. The Binomial Nomenclature. Man's place in the Animal Kingdom. The Phylum Chordata and its sub-division. The Vertebrates and their general characteristics. The class Mammalia, general characteristics and classification.	7
V	The Primates, their evolutionary tendencies and classification. General characteristics of the following: Tree shrews, Lemurs, Tarsiers, Monkeys, Apes and Man, Comparative anatomy of man and apes.	8
VI	General Characteristics of Primate Skeleton. Their Patterns of Locomotion, Manipulation, Mastication and the Mental Processes. Evolution of Man's posture - Theories concerning the origin of Man's posture. Evolution of Orthograde spine, postural adaptations of shoulders, thorax, abdomen, the viscera, pelvis and the evolution of human foot.	8
VII	Fossil Evidence for the Emergence of man. Fossils and fossilization. Geological time scale and dating methods.	7

	Fossil Evidences of Human Evolution.	
VIII	Early hominid fossils – Ramapithecus and Australopithecus, Homo habilis, Homo Erectus - General Characteristics, cultural context and Phylogenetic position; Homo Neanderthalensis - progressive and conservative types, Homo Sapiens - Rhodesian man, Cromagnon Race, Chancelade and Grimaldi, Races and Species of Fossils.	7

Suggested Readings:

1. Buettner-Janusch, J. (1966). *Origins of Man: Physical Anthropology*. John Wiley & Sons, Inc., New York, London, Sydney.
2. Conroy, G.C. (1997). *Reconstructing Human Origins: A Modern Synthesis*. W. W. Norton & Company, New York, London.
3. Howell F.C. (1977). *Horizons of Anthropology*. Eds. S. Tax and L.G. Freeman, Aldine Publishing House, Chicago.
4. Nystrom P. and Ashmore P. (2011). *The Life of Primates*. PHI Learning Private Limited, New Delhi.
5. Seth P. K. and Seth S. (1986). *The Primates*. Northern Book Centre, New Delhi, Allahabad.
6. Singh I. P. and Bhasin M.K. (1989). *Anthropometry: A Laboratory Manual on Biological Anthropology*. Kamla-Raj Enterprises, Chawri Bazar, Delhi.
7. Stanford C.; Allen J.S. and Anton S.C. (2012). *Biological Anthropology: The Natural History of Mankind*. PHI Learning Private Limited, New Delhi.
8. Swindler D. R. (2009). *Introduction to the Primates*. Overseas Press India Pvt. Ltd., New Delhi.
9. Jurmain R., Kilgore L., Trevathan W., Ciochon R.L. (2012). *Introduction to Physical Anthropology*. Wadsworth Publ., USA
10. Kroeber A. L. (1948). *Anthropology*. Oxford & IBH Publishing Co., New Delhi.
11. Stanford C., Allen J.S. and Anton S.C. (2010). *Exploring Biological Anthropology. The Essentials*. Prentice Hall Publ, USA.
12. *Statement on Race: Annotated Elaboration and Exposition of the Four Statements on Race (1972)*. Issued by UNESCO. Oxford University Press.
13. Alexander Alland (Jr). (1980) *To be human : An Introduction to Anthropology*. New York : Alfred A. Knopf.
14. Ashley-Montagu, M.E. (1961) *An Introduction to Physical Anthropology*. Illinois: Charles C. Thomas.
15. Clark W.E.L.G. (1959) *The Antecedents of Man*. Edinburg: Edinburg University Press.
16. Clark, L. G. (1961) *The fossil evidence for human evolution*. Chicago: University of Chicago Press.
17. Cohen, Y.A. (1974) *Man in adaptation – The biosocial background*. Chicago: Aldine.
18. Harrison, G.A.; J. M. Tanner; D.R. Pilbeam; and P.T. Baker (1988) *Human Biology*. Oxford : Oxford Univ. Press.
19. Hootan, E.A. (1965) *Up from the ape*. New York: The Macmillan Co.
20. Howells, W.W. (1967) *Mankind in the Making*. New York: Doubleday.
21. Hulse, F.S. (1971) *The Human Species*. New York: Random House.
22. Katz, S.H. (1975) *Biological Anthropology: Readings from Scientific American*. San Francisco: W.H. Freeman and Company.
23. Laskar, G.W. (1976) *Physical Anthropology*. Holt, Rinehart and Wiston.
24. Poirier, F.E.; W.A. Stini; and K.B. Wreden (1994) *In search of ourselves: An Introduction to Physical Anthropology*. New Jersey: Prentice Hall.
31. Das, B.M (2003) *Outlines of Physical Anthropology*. Kitab Mahal, Allahabad.
25. Shukla, B.R.K. Rastogi, S.(2012) *Physical Anthropology & Human Genetics - An Introduction* Palaka Prakashan, N.Delhi (Also available in Hindi)
26. Singh, U.P. (2001) *Jaivik Manav Vigyan, Prakashan Kendra, Lucknow*.(in Hindi)
27. Singh, U.P. (2003) *Anuvanshik Manv Vigyan, NRBC, Lucknow* (in Hindi)
28. Sharma, A.N. (2009) *Shareerik Maanavvigaan. Abhivyakti Prakashan. Allahabad*. (in Hindi)
29. अग्निहोत्री, विभा. (2016) *उद्विकासीयशारीरिकमानवविज्ञान. सत्यम पब्लिशिंग हाऊस. दिल्ली.*

Suggested Continuous Evaluation Methods: Assignment / test / Quiz(MCQ) / Seminar/Presentations/ Research orientation of students
Suggested equivalent online : https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1 Swayam Coursera

**BA 2nd Year, Sem. IV,
Course II
(Practical)**

Program/Class: Diploma /BA	Year: Second	Semester: Fourth
Subject: Anthropology		
Course Code: A170402P	Course Title: Nutrition, Growth and Development.	
<p>Course Learning Outcomes On completion of this course, learners will be able to:</p> <ul style="list-style-type: none"> ● Understand basic concepts and applications of Nutrition, growth and development. ● To understand the tools of research in human growth and nutrition. 		
Credits: 2		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): P-2/w		
Unit	Topics	No. of Lectures
I	Nutritional Anthropology: meaning, scope, applications.	04
II	Growth status: Somatometry (stature, body weight, mid upper arm circumference etc), assessment of chronological age, percentile, z-score, height for age, weight for age, BMI for age Obesity assessment: General (BMI, body fat %, Conicity index, body adiposity indices) and regional adiposity indices (WC, WHR, WHtR) (Assessment on 02 subjects)	16
III	Estimation of body composition (fat percentage and muscle mass) with skinfold thickness and bioelectric impedance (Assessment on 02 subjects)	04
IV	Nutritional assessment through dietary pattern and anthropometric indices (Assessment on 02 subjects)	06

Suggested Readings:

1. Bogin B. (1999) Patterns of human growth. Cambridge University Press.
2. Frisancho R. (1993) Human Adaptation and Accommodation. University of Michigan Press.
3. Cameron N and Bogin B. (2012) Human Growth and Development. Second edition, Academic press Elsevier.
4. Malina RM, Bouchard C, Oded B. (2004) Growth, Maturation, and Physical Activity. Human Kinetics.
5. McArdle WD, Katch FI, Katch VL. (2001) Exercise Physiology: Energy, Nutrition, and Human Performance.
6. Singh I, Kapoor AK, Kapoor S. (1989). Morpho-Physiological and demographic status of the Western Himalyan population. In Basu and Gupta (eds.). Human Biology of Asian Highland Populations in the global context.
7. Sinha R and Kapoor S. (2009). Obesity: A multidimensional approach to contemporary global issue. Dhanraj Publishers. Delhi.
8. Rastogi, S and Shukla, B.R.K. (2003) Laboratory Manual of Physical Anthropology. Bharat Book Centre, Lucknow.
9. Singh, U.P. (2011) Human Growth and Development. NRBC, Lucknow.
10. Singh, U.P. (1996) The Oraons of Ranchi: A Study of their Finger and Palm Prints. AIHSD, Lucknow
11. रस्तोगी, सुधा. शुक्ला, बी. आर .के.(2019) प्रायोगिकशारीरिकमानवविज्ञान . भारतबुकसेंटर, लखनऊ.
12. Singh I. P. and Bhasin M.K. (1989). Anthropometry: A Laboratory Manual on Biological Anthropology. Kamla-Raj Enterprises, Chawri Bazar, Delhi.
13. Patra, P.K. and Gautam, Rajesh (2016) Human Growth and Nutrition: A Bio-cultural Synthesis. Kalpaz Publications. Delhi.
14. मित्रा, मिताश्री. चौबे, आर. (2004) प्रायोगिकमानवविज्ञान (शारीरिक) भाग-2, मध्यप्रदेशहिंदीग्रन्थअकादमी, भोपाल.
15. अग्निहोत्री, विभा. (2016) प्रयोगात्मकशारीरिकमानवविज्ञान. सत्यमपब्लिशिंगहाऊस. दिल्ली

Note: In Final Examination Student shall be examined by external and internal examiners.
Marks Distribution: Written Exam, Viva, Practical File.

Suggested equivalent online :

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1>

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BA 3rd Year, Sem. V, Course I (Theory)

Programme/Class: Degree/BA	Year: Third	Semester: Fifth
Subject: Anthropology		
Course Code: A170501T	Course Title: Anthropological Theories and Research Methods	
Course outcomes: Students will be able to understand <ul style="list-style-type: none">• To understand the concepts related to origin and development of anthropological theories.• To understand basic concepts and applications of research methods.		
Credits: 4	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		

Unit	Topics	No. of Lectures
I	Concept & definition of Culture. Characteristics of Culture. Components of Culture: Culture Trait, Culture Complex, Culture Pattern. Define & distinguish: Material & Non-material Culture, Ethnocentrism & Cultural Relativism.	6
II	Cultural Evolutionism: Classical (Tylor & Morgan) and Modern (White & Steward). Acculturation, Diffusion and Tradition. Diffusionism: German-Austrian School (Kulturkreise, Fern-Interpretation, Criteria of Form & Quantity), The British School (Pan Egyptian School) and American School (Culture Area Approach).	8
III	Malinowski: Concept of Institution, Functionalism & Theory of Need. Radcliffe Brown: Concept of Social Structure & Structural Form, Structural Functionalism. Levi –Strauss: Social Structure.	8
IV	Define & distinguish: Ethos & Eidos, Etic & Emic, Overt & Covert Culture. Culture Configurationalism (Ruth Benedict). Basic Personality Structure (Linton & Kardiner) & Modal Personality (Cora-du-bois). National Character (Margaret Mead).	7
V	Research Design, Review of literature, conceptual framework, formulation of research problem, formulation of hypothesis, sampling, tools and techniques of data collection, data analysis and reporting, guiding ideals and critical evaluation of major approaches in research methods, basic tenets of qualitative research and its relationship with quantitative research.	8
VI	Field work tradition in Anthropology, Ethnographic approach, contribution of Malinowski, Boas and other pioneers; cultural relativism, ethnocentrism, etic and emic perspectives, comparative and historical methods, techniques of rapport establishment identification of representative categories of informants, maintenance of field diary and logbook	8
VII	Tools and techniques of data collection Concept of survey, relationship of survey method with ethnographic method, construction of questionnaire and interview schedule, validation and internal consistency of questionnaire Observation - Direct, Indirect, Participant, Non-participant, Controlled Interview - Structured and unstructured, Focused Group Discussion, key informant interview Case Study and life history, Genealogy - Technique and application.	7
VIII	Similarities and differences between qualitative and quantitative data analysis; introduction of software for data analysis. Bio-statistics 1. Types of variables, presentation and summarization of data (tabulation and illustration). 2. Descriptive statistics- Measurers of Central Tendency, Measure of Variation, Skewness and Kurtosis, Variance and standard deviation, Normal and binomial distribution. 3. Tests of Inference- Variance ratio test, Student's 't' tests, Chi-square test and measures of association. 4. Pedigree Analysis- Importance and implication.	8

Suggested Readings:

1. Applebaum H.A. (1987) Perspectives in Cultural Anthropology. Albany: State University of New York.
2. Barnard A. (2000). History and Theory in Anthropology. Cambridge: Cambridge University.
3. McGee R.J. and Warms R.L. (1996) Anthropological Theories: An Introductory History.
4. Moore M. and Sanders T. (2006). Anthropology in Theory: Issues in Epistemology, Malden, MA: Blackwell Publishing.
5. Sarana, Gopala (2008) Explorations in Method and Theory in Anthropology. Rawat Publications. Jaipur.
6. Garrard, E. and Dawson, A.(2005) What is the role of the research ethics committee? Paternalism, inducements, and harm in research ethics. Journal of Medical Ethics, 31: 419-23.
7. Bernard, H.R.(2006) Research Methods in Anthropology, Qualitative and Quantitative Approaches. Jaipur: Rawat Publications.
8. Madrigal, L.(2012) Statistics for Anthropology. Cambridge: Cambridge University Press.
9. Zar, J.H. (2010) Biostatistical Analysis. Prentice Hall.
10. Michael, A. (1996) The Professional Stranger. Emerald Publishing.
11. Emerson, R.M. Fretz, R.I. and Shaw, L. (1995) Writing Ethnographic Fieldnotes. Chicago, University of Chicago Press.
12. Lawrence, N.W.(2000) Social Research Methods, Qualitative and Quantitative Approaches. Boston: Allyn and Bacon.
13. O'reilly, K.(2005) Ethnographic Methods. London and New York: Routledge.
14. Patnaik, S.M.(2011) Culture, Identity and Development: An Account of Team Ethnography among the Bhil of Jhabua. Jaipur: Rawat Publications.
15. Pelto, P.J. and Pelto, G.H.(1978) Anthropological Research, The Structure of Inquiry. Cambridge: Cambridge University Press.
16. Sarantakos, S. (1998) Social Research. London: Macmillan Press.
17. अग्निहोत्री, विभा (2017) मानवशास्त्रीय एवं समाजशास्त्रीय अनुसंधान. सत्यमपब्लिशिंग हाऊस. दिल्ली

This course can be opted as an elective by the students of following subjects: Open for all

Suggested Continuous Evaluation Methods:

Assignment / test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students

Suggested equivalent online :

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1>

Swayam

Coursera

**BA 3rdYear, Sem. V,
Course II
(Theory)**

Program/Class: Degree /BA	Year: Third	Semester: Fifth
Subject: Anthropology		
Course Code: A170502T	Course Title: Human Genetics and Ethnic Variation	
Course Learning Outcomes On completion of this course, learners will be able to: <ul style="list-style-type: none"> • Understand the Basic concepts of Human Genetics and ethnic variation. • Understand applications of human genetics. 		
Credits: 4		Core Compulsory
Max. Marks: 25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Human Biology: aims and scope. Human Genetics : its aims and relevance in Anthropology	7
II	The Animal cell: Cell Division – Mitosis, Meiosis and Biological variation.: role of Mitotic and Meiotic Cell division and Gametogenesis . Mendel’s Laws of Inheritance, Mendelism and its application to Man-some examples. Mechanism of Inheritance, Chromosomes and Associated Syndromes.	7
III	Genetics of Sex – Sex Determination, Sex Ratio, Sex Linkage – X and Y linkage, Sex limited and Sex Influenced Inheritance Type of Inheritance : Autosomal, Sex Linked, Sex Influenced and Sex Limited Traits in Man.	8
IV	Heredity-Environment Interaction. The Twin Method and the types of Twins and their importance in the Genetic Investigation. Genetic Counseling, Paternity Determination on the basis of Immunological, serological and Morphological Traits.	8
V	Multifactorial or Polygenic Inheritance- some examples. Dermatoglyphics of finger and palm. The Multiple Alleles and the ABO blood groups. The MNS and the RH blood groups and Erythroblastosis Foetalis.	6
VI	Definition and Scope of Growth and Development: Methods of studying Growth: Longitudinal, Semi-Longitudinal and Cross Sectional Methods, their relative merits and demerits. Nutritional requirements for Normal Growth, Common Nutritional Disorders and their Manifestations.	8

VII	Applications of Human Biology. Anthropometry, Ergonomics, Forensic Anthropology, Sports Anthropology, Medical Genetics. Human Ecology: definition and scope, varieties of Human Eco-systems.	8
VIII	The Concept of Race/Ethnic group. Genetic basis of Race. UNESCO statement of Race- Ethnic Groups. Racial classification of human population, Major Ethnic stocks of the World and their broad sub-divisions. Ethnic Elements in Indian subcontinent.	8

Suggested Readings:

1. Buettner-Janusch, J. (1966). Origins of Man: Physical Anthropology. John Wiley & Sons, Inc., New York, London, Sydney.
2. Conroy, G.C. (1997). Reconstructing Human Origins: A Modern Synthesis. W. W. Norton & Company, New York, London.
3. Howell F.C. (1977). Horizons of Anthropology. Eds. S. Tax and L.G. Freeman, Aldine Publishing House, Chicago.
4. Nystrom P. and Ashmore P. (2011). The Life of Primates. PHI Learning Private Limited, New Delhi.
5. Seth P. K. and Seth S. (1986). The Primates. Northern Book Centre, New Delhi, Allahabad.
6. Singh I. P. and Bhasin M.K. (1989). Anthropometry: A Laboratory Manual on Biological Anthropology. Kamla-Raj Enterprises, Chawri Bazar, Delhi.
7. Standford C.; Allen J.S. and Anton S.C. (2012). Biological Anthropology: The Natural History of Mankind. PHI Learning Private Limited, New Delhi.
8. Swindler D. R. (2009). Introduction to the Primates. Overseas Press India Pvt. Ltd., New Delhi.
9. Jurmain R., Kilgore L., Trevathan W., Ciochon R.L. (2012). Introduction to Physical Anthropology. Wadsworth Publ., USA
10. Krober A. L. (1948). Anthropology. Oxford & IBH Publishing Co., New Delhi.
11. Stanford C., Allen J.S. and Anton S.C. (2010). Exploring Biological Anthropology. The Essentials. Prentice Hall Publ, USA.
12. Statement on Race: Annotated Elaboration and Exposition of the Four Statements on Race (1972). Issued by UNESCO. Oxford University Press.
13. Alexander Alland (Jr). (1980) To be human : An Introduction to Anthropology. New York : Alfred A. Knopf.
14. Ashley-Montagu, M.E. (1961) An Introduction to Physical Anthropology. Illinois: Charles C. Thomas.
15. Clark W.E.L.G. (1959) The Antecedents of Man. Edinburg: Edinburg University Press.
16. Clark, L. G. (1961) The fossil evidence for human evolution. Chicago: University of Chicago Press.
17. Cohen, Y.A. (1974) Man in adaptation – The biosocial background. Chicago: Aldine.
18. Harrison, G.A.; J. M. Tanner; D.R. Pilbeam; and P.T. Baker (1988) Human Biology. Oxford : Oxford Univ. Press.
19. Hootan, E.A. (1965) Up from the ape. New York: The Macmillan Co.
20. Howells, W.W. (1967) Mankind in the Making. New York: Doubleday.
21. Hulse, F.S. (1971)The Human Species. New York: Random House.
22. Katz, S.H. (1975) Biological Anthropology: Readings from Scientific American. San Francisco: W.H. Freeman and Company.
23. Laskar, G.W. (1976) Physical Anthropology. Holt, Rinehart and Wiston.
24. Poirier, F.E.; W.A. Stini; and K.B. Wreden (1994) In search of ourselves: An Introduction to Physical Anthropology. New Jersey: Prentice Hall.
25. Das, B.M (2003) Outlines of Physical Anthropology. Kitab Mahal, Allahabad.
26. Shukla, B.R.K. Rastogi, S.(2012) Physical Anthropology & Human Genetics - An Introduction Palaka Prakashan, N.Delhi (Also available in Hindi)
27. Singh, U.P. (2001) Jaivik Manav Vigyan, Prakashan Kendra, Lucknow.(in Hindi)
28. Singh, U.P. (2003) Anuvanshik Manv Vigyan, NRBC, Lucknow (in Hindi)
30. Strachan T and Read AP. (2004). Human Molecular Genetics. Garland Science
31. Brown TA. (2007). Genomes. Garland Science.

32. Griffiths AJF. (2002). Modern Genetic Analysis: Integrating Genes and Genomes. WH Freeman Press.
33. Griffiths AJF, Wessler SR, Carroll SB, Doebley J. (2011). An Introduction to Genetic Analysis. Macmillan Higher Education.
34. Cavalli-sforza LL, Menozzi P, Piazza A (1994). History and Geography of Human Genes. Princeton University.
35. Giblett, ER. (1969). Genetic Markers in Human Blood. Blackwell Scietific, Oxford.
36. Cummings MR (2011). Human Heredity: Principles and Issues. Brooks/Cole, Cengage Learning
37. Jobling M, Hurls M and Tyler-Smith C. (2004). Human Evolutionary Genetics: Origins, Peoples & Disease. New York: Garland Science.
38. Lewis R. (2009). Human Genetics: Concepts and Application. The McGraw–Hill Companies, Inc.
39. Patch C. (2005). Applied Genetics in Healthcare. Taylor & Francis Group
40. Vogel F. and Motulsky A.G. (1996). Human Genetics. Springer, 3rd revised edition.
41. Snustad .D.P. and Simmons M.J. (2006). Principles of Genetics, Fourth Edition, John Wiley & Sons USA
42. Sharma, A.N. (2009) Shareerik Maanavvigyaan. Abhivyakti Prakashan. Allahabad. (in Hindi)
43. अग्निहोत्री, विभा. नागर, शोभना (2019) अनुवांशकीय एवं प्रजातीय मानवविज्ञान . सत्यम पब्लिशिंग हाऊस. दिल्ली.

Suggested Continuous Evaluation Methods:

Assignment / test / Quiz(MCQ) / Seminar/Presenatations/ Research orientation of students

Suggested equivalent online :

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1>

Swayam

Coursera

**BA3rd Year, Sem. V,
Course III
(Practical)**

Programme/Class: Degree/BA	Year: Third	Semester: Fifth
Subject: Anthropology		
Course Code: A170503P	Course Title: Serology, Dermatoglyphics & Forensic Anthropology	
<p>Course outcomes: Students will be able to understand-</p> <ul style="list-style-type: none"> • The concepts and practical applications related to Serology, Dermatoglyphics & Forensic Anthropology. • Practical study of serology and dermatoglyphics is helpful in tracing the blue-print of mankind. 		
Credits: 2	Core Compulsory	
Max. Marks: -25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): P-2/w		
Unit	Topics	No. of Lectures
I	ABO blood group typing on at least 10 individuals.	8
II	Dermatoglyphic study of 05 cases of finger balls and palm prints.	10
III	Indices - Pattern intensity index, Fuhata's index, Dankmiejers index,	6
IV	Main line index, Main line formula, Total finger ridge count and Absolute finger ridge count.	6
<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. Cummins, H., & Midlo, C. (1961). Finger prints, palms and soles: An introduction to dermatoglyphics (Vol. 319). New York: Dover Publications. 2. Jain, A. K., Flynn, P., & Ross, A. A. (2007). Handbook of biometrics. Springer Science & Business Media. 3. Lee, H. C., Ramotowski, R., & Gaensslen, R. E. (Eds.). (2001). Advances in fingerprint technology. CRC press. 4. Berry, J., & Stoney, D. A. (2001). The history and development of fingerprinting. Advances in fingerprint Technology, 2, 13-52. 5. Mehta, M. K. (1980). Identification of thumb impression and cross examination of fingerprints. N. M. Tripathi Publication, Bombay. 6. Rastogi, S and Shukla, B.R.K. (2003) Laboratory Manual of Physical Anthropology. Bharat Book Centre, Lucknow. 7. Sachdeva, M.P. and Arora, V.K. (1999). Identification of ABO blood group specific substances from human epidermal cells. The Anthropologist, 1(2), 139 8. Sachdeva, M.P., Saraswathy, K.N., Elizabeth, A.M., Choudhry, R. and Kalla, A.K. (1999). A modified method of haemoglobin typing from bloodstains: An eclectic approach. J. Hum. Ecol., 10(1), 61-63 9. Sachdeva, M.P., Nath, S. and Chowdhri, A. (1999). Detection of ABO (H) blood group substances from hair root samples of Jaunsari Rajputs of Dehradun district. Ind.J. Criminol. Criminal., XX(1), 23 10. Singh, U.P. (1996) The Oraons of Ranchi: A Study of their Finger and Palm Prints. AIHSD, Lucknow 11. Sharma, A.N. (2009) Shareerik Maanavgyaan. Abhivyakti Prakashan. Allahabad. (in Hindi) 		

12. रस्तोगी, सुधा. शुक्ला, बी. आर .के.(2019) प्रायोगिकशारीरिकमानवविज्ञान . भारतबुकसेंटर, लखनऊ.
 13. मित्रा, मिताश्री. चौबे, आर. (2004) प्रायोगिकमानवविज्ञान (शारीरिक) भाग-2, मध्यप्रदेशहिंदीग्रन्थअकादमी, भोपाल.
 14. अग्निहोत्री, विभा. (2016) प्रयोगात्मकशारीरिकमानवविज्ञान. सत्यमपब्लिशिंगहाऊस. दिल्ली

This course can be opted as an elective by the students of following subjects: Open for Science and arts.

Suggested Continuous Evaluation Methods:

In Final Examination Student shall be examined by external and internal examiners.
 Marks Distribution: Written Exam, Viva, Practical File.

Suggested equivalent online :

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1>

Swayam

Coursera

**BA 3rd Year, Sem. V,
 Course IV
 (Project)**

Programme/Class: Degree/BA	Year: Third	Semester: Fifth
Subject: Anthropology		
Course Code: A170504R	Course Title: Material Culture of tribal/rural societies	
Course outcomes: Students will be able to understand- <ul style="list-style-type: none"> • In-depth knowledge of material culture of rural and tribal societies. • It will create awareness for vanishing indigenous technologies, implements and tools. 		
Credits: 3	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): P- 2/w		
Unit	Topics	No. of Lectures
I	Technology: Identification and technological description of primitive implements for food-gathering, hunting and fishing. Students would require drawing these implements on their lab book and describing them.	45
Suggested Readings:		
1. Royal Anthropological Institute of Great Britain and Ireland (1971). Methods: In Notes and Queries on Anthropology. London: Routledge & Kegan Paul Ltd. 2. अग्निहोत्री, विभा. (2015) प्रयोगात्मक भौतिक मानवविज्ञान. सत्यम पब्लिशिंग हाऊस.		

This course can be opted as an elective by the students of following subjects: Open for all
Suggested Continuous Evaluation Methods: Seminar, Presentations, VIVA, Practical file.
Suggested equivalent online : https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1 Swayam Coursera

**BA3rd Year, Sem. VI,
Course I
(Theory)**

Program/Class: Degree /BA	Year: Third	Semester: Sixth
Subject: Anthropology		
Course Code: A170601T	Course Title: Indian Anthropology	
Course Learning Outcomes		
On completion of this course, learners will be able to:		
<ul style="list-style-type: none"> ● Understand the importance of Anthropology in Indian context. ● Understand Indian traditions, rural and tribal culture. 		
Credits: 4	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks: 40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	The origin and growth of India Anthropology. Approaches to the study of Indian society, culture and civilization: Indological, Anthropological and Historical.	6
II	The basic concepts used: Great Tradition and Little Tradition, Sacred Complex, Universalization and Parochialization, Tribe-Caste Continuum, Nature-man-spirit complex, Sanskritization, Westernization, Dominant Caste, Pseudo-tribalism.	8
III	Understanding the diversity of Indian social structure - concept of Varna, Jati, Caste, Ashram or purusharatha, gender hierarchies - their economic and cultural impact, origin and evolution of social structures and their underlying philosophies.	8

IV	Ethnographic profiles of Indian tribes: racial, linguistic and socio-economic characteristics.	8
V	Critical appraisal of contribution of Risley, Guha, Rickstett and Sarkar towards understanding ethnic distinctness in the Indian populations.	8
VI	Contribution of contemporary biological, social and archaeological anthropologists in India.	8
VII	The Constitutional provisions regarding the Schedules Castes.	7
VIII	Social disabilities suffered by the Schedules Castes and the socio-economic problems faced by them. Status of Other Backwards Classes (OBCs) and Religious Minorities.	7

Suggested Readings:

1. Nicholas D. (2001). Castes of Mind: Colonialism and the Making of Modern India. Princeton University Press.
2. Bernard CS. (2000). India: The Social Anthropology of Civilization. Delhi: Oxford University Press.
3. Bhasin MK, Watter H and Danker-Hopfe H. (1994). People of India - An Investigation of Biological variability in Ecological, Ethno-economic and Linguistic Groups. Kamla Raj Enterprises, Delhi
4. Lopez DS. (1995). Religions of India in Practice. Princeton University Press
5. Gupta D. Social Stratification. Delhi: Oxford University Press.
6. Karve I. (1961). Hindu Society: An Interpretation. Poona : Deccan College
7. Guha BS. (1931). The racial attributes of people of India. In: Census of India, 1931, vol I, Part III (BPO, Simla)
8. Trautmann TR (2011). India: Brief history of Civilization. Oxford University Press : Delhi
9. Vidyarathi LP and Rai BK. (1976). The tribal culture of India. Concept Publishing Co, Delhi.
10. Haddon AC. (1929). Races of man. Cambridge University, London.
11. Kapoor A.K. (1992). Genetic Diversity among Himalayan Human Populations. M/S Vinod Publishers, Jammu
12. Majumdar DN. (1901). Races and Culture of India. Asia Publishing House, Bombay
13. Dube SC. (1992). Indian Society. National Book Trust, India : New Delhi.
14. Dumont L. (1980). Homo Hierachicus. University of Chicagon Press.
15. Guha B.S. (1931). The racial attributes of people of India. In : Census of India, 1931, vol I, Part III (BPO, Simla)
16. Joshi, P.C. and Mahajan, A. (1995) Studies in Medical Anthropology. Reliance Publishing Co. N.Delhi.
17. Malhotra K.C. (1978). Morphological Composition of people of India. J. Human Evolution.
18. Kalla AK. (1994) Ethnology of India. Munshiram Manoharlal Publishers. New Delhi.
19. Hasnain, N. (2019) Tribal India. Palaka Prakashan, N.Delhi.
20. Hasnain, N. (2006) Janjatiya Bharat. Palaka Prakashan, N.Delhi. (in Hindi)

21. Hasnain, N. (2018) Samkaaleen Bhartiya Samaj. Bharat Book Centre, Lucknow.
22. Hasnain, N. (2019) Indian Society: Themes and Social Issues. McGraw Hill Education India, New Delhi.
23. Sahay, V.S. Singh, P.K. (1998) Indian Anthropology. K.K. Publications, Allahabad.
24. Sharma, N. Singh Nirja (2009) Comparative Ethnography. K.K.Publications, Allahabad.
25. Upadhyay, S. Patel, R. (2005) The Nicobarese: A Tribe in Search of Identity. AIHSD, Lucknow.
26. Vidyarthi, L.P. (2014) Applied Anthropology in India. Kitab Mahal, Allahabad.
27. Vidyarthi, L.P. Rai, B.K. (1977) Tribal Culture of India. Concept Publications, N.Delhi.

Suggested Continuous Evaluation Methods:

Assignment / test / Quiz(MCQ) / Seminar/ Presentations/ Research orientation of students

Suggested equivalent online :

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1>

Swayam

Coursera

BA 3rdYear, Sem. VI,

Course II (Theory)

Program/Class: Degree /BA	Year: Third	Semester: Sixth
Subject: Anthropology		
Course Code:A170602T	Course Title: Tribal and Rural Development	
Course Learning Outcomes On completion of this course, learners will be able to:		
<ul style="list-style-type: none"> ● Understand the tenets of tribal and rural development. ● Give them know-how to work for tribal and rural development with NGOs and VOs. 		
Credits: 4	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): L- 4/w		
Unit	Topics	No. of Lectures
I	Anthropological Concept of Tribe 1. Problems of nomenclature, definition and classification. 2. Features of tribes in India Scheduled Tribe, Primitive Tribe/ PVTGs, Denotified Tribes (DNT), Nomadic Tribes (NT), Semi-nomadic Tribes, Commissions/ Committees for Denotified Tribes, Nomadic Tribes, Semi-Nomadic Tribes.	7
II	The different approaches to tribal problems. Problems of tribal people: land alienation, bonded labour, indebtedness, shifting	7

	cultivation, health education, forest and tribals, unemployment, tribal revolts, special problems of hunting and food gathering and other minor tribes.	
III	The problems of culture-contact: Impact of urbanization and industrialization, depopulation, Displacement, Ethno-political movements. Forest Rights Act 2006 and tribes.	7
IV	Tribes and Wider world. 1. The history of tribal administration; Vth Schedule & VIth Schedule. 2. Draft National Tribal Policy, Issues of acculturation assimilation and integration. 3. Impact of development schemes and programme on tribal life The constitutional safeguards for the Scheduled Tribes. Policies, plans and programmes of tribal development and their implementation. The response of the tribal people to the governmental measures for them.	8
V	Tribal Development Programmes: Tribal Sub Plan (TSP) - Integrated Tribal Development Programme (ITDP), Modified Area Development Programme (MADA), Clusters, Primitive Tribal Group Project (PTGP). Large Scale Agricultural Multipurpose Societies (LAMPS), Tribal Cooperative Marketing Development Federation of India Limited (TRIFED) Mandal Commission, Dhebar Commission.	8
VI	Rural Development: Concepts and approaches. Planning: concept and types, Five year plans in India: special reference to rural and tribal populations.	8
VII	Rural Development Programmes: Past and Present. Community Development Programme (CDP), Integrated Rural Development Programme (IRDP), SGSY, SGRY, MNREGA, Land reforms: abolition of intermediaries (Zamindari Abolition), land tenure, ceiling & consolidation of land, compilation & updating of land records.	8
VIII	The role of Anthropology, NGOs, VOs in tribal and rural development. Applied Anthropology and rural development.	7

Suggested Readings:

1. Nicholas D. (2001). Castes of Mind: Colonialism and the Making of Modern India. Princeton University Press.
2. Bernard CS. (2000). India: The Social Anthropology of Civilization. Delhi: Oxford University Press.
3. Bhasin MK, Watter H and Danker-Hopfe H. (1994). People of India - An Investigation of Biological variability in Ecological, Ethno-economic and Linguistic Groups. Kamla Raj Enterprises, Delhi
4. Lopez DS. (1995). Religions of India in Practice. Princeton University Press
5. Gupta D. Social Stratification. Delhi: Oxford University Press.
6. Karve I. (1961). Hindu Society: An Interpretation. Poona : Deccan College
7. Guha BS. (1931). The racial attributes of people of India. In: Census of India, 1931, vol I, Part III (BPO, Simla)
8. Trautmann TR (2011). India: Brief history of Civilization. Oxford University Press : Delhi
9. Vidyarthi LP and Rai BK. (1976). The tribal culture of India. Concept Publishing Co, Delhi.
10. Haddon AC. (1929). Races of man. Cambridge University, London.
11. Kapoor A.K. (1992). Genetic Diversity among Himalayan Human Populations. M/S Vinod Publishers, Jammu
12. Majumdar DN. (1901). Races and Culture of India. Asia Publishing House, Bombay
13. Dube SC. (1992). Indian Society. National Book Trust, India : New Delhi.
14. Dumont L. (1980). Homo Hierarchicus. University of Chicago Press.
15. Guha B.S. (1931). The racial attributes of people of India. In : Census of India, 1931, vol I, Part III

(BPO, Simla)

16. Malhotra K.C. (1978). Morphological Composition of people of India. J. Human Evolution.
17. Kalla AK. (1994) Ethnology of India. Munshiram Manoharlal Publishers. New Delhi.
18. Hasnain, N. (2019) Tribal India. Palaka Prakashan, N.Delhi.
19. Hasnain, N. (2006) Janjatiya Bharat. Palaka Prakashan, N.Delhi. (in Hindi)
20. Hasnain, N. (2018) Samkaaleen Bhartiya Samaj. Bharat Book Centre, Lucknow.
21. Hasnain, N. (2019) Indian Society: Themes and Social Issues. McGraw Hill Education India, New Delhi.
22. Sahay, V.S. Singh, P.K. (1998) Indian Anthropology. K.K. Publications, Allahabad.
23. Upadhyay, S. Patel, R. (2005) The Nicobarese: A Tribe in Search of Identity. AIHSD, Lucknow.
24. Vidyarthi, L.P. (2014) Applied Anthropology in India. Kitab Mahal, Allahabad.
25. Vidyarthi, L.P. Rai, B.K. (1977) Tribal Culture of India. Concept Publications, N.Delhi.
26. Sharma, N. Singh Nirja (2009) Comparative Ethnography. K.K.Publications, Allahabad.(in Hindi)
27. Singh, Nirja (2017) Continuity and Change: An Interdisciplinary Understanding.(Ed.) APH Publication Corporation, New Delhi.
28. Ghosh, Abhik, Gayatri Pathmanathan, Kewal Krishan , Talwar Indu , Mehta Shalina , Sharma Krishan , Gaur Rajan (2012)Anthropology and Society: Issues and Applications. Northern Book Centre. N. Delhi.

Suggested Continuous Evaluation Methods:

Assignment / test / Quiz(MCQ) / Seminar/ Presentation/ Research orientation of students

Suggested equivalent online :

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1>

Swayam

Coursera

BA 3rd Year, Sem. VI,

Course III (Practical)

Program/Class: Degree/BA	Year: Third	Semester: Sixth
Subject: Anthropology		
Course Code: A170603P	Course Title: Social Problems and Environment Building	
Course Learning Outcomes On completion of this course, learners will be able to: <ul style="list-style-type: none">● Understand social issues and conflicts.● Students would develop an empirical and analytical view on various social issues.● This would help them to look towards social problems in unbiased manner and would motivate to resolve the issue amicably.		
Credits: 2		Core Compulsory

Max. Marks: 25+75		Min. Passing Marks:40
Total No. of Lectures-Tutorials-Practical (in hours per week): P-2/w		
Unit	Topics	No. of Lectures
I	Students would require to write case studies on 10 problems of different issues from the communities/ caste groups/ urban/rural populations.	10
II	Students would have to opt a village in the nearby area and will have to organize awareness programs regarding green environment, plantations, and anti-pollution awareness campaigns in the area and have to submit the report and digital records to their department in University and college. Weekly brain-storming sessions by the students are also to be organized.	20
Suggested Readings: <ol style="list-style-type: none"> 1. Hasnain, N. (2006) Janjatiya Bharat. Palaka Prakashan, N.Delhi. (in Hindi) 2. Hasnain, N. (2018) Samkaaleen Bhartiya Samaj. Bharat Book Centre, Lucknow. 3. Hasnain, N. (2019) Indian Society: Themes and Social Issues. McGraw Hill Education India, New Delhi. 4. Verma, H.S. Hasnain, N. (2016) India's Current Social Problems. NRBC, Lucknow. 5. Verma, H.S. Hasnain, N. (2016) Bharat Ki Vartmaan Saamajik Samasyaayen. NRBC, Lucknow.(in Hindi) 6. Ghosh, Abhik, Gayatri Pathmanathan, Kewal Krishan , Talwar Indu , Mehta Shalina , Sharma Krishan , Gaur Rajan (2012) Anthropology and Society: Issues and Applications. Northern Book Centre. N. Delhi. 7. Patel, R. Mishra, R. (2016) Dimensions of Health: Divergent worldviews, Converging Concerns. NRBC, Lucknow 8. Singh, Nirja (2010) नन्हेहाथ (Nanhe Haath: A Monograph based on Street Children). K.K.Publications, Allahabad.(in Hindi) 		
Note: In Final Examination Student shall be examined by external and internal examiners. Marks Distribution: Written Exam, Viva, Practical File, Digital Documentation of awareness programs.		
Suggested equivalent online : https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1 Swayam Coursera		

**BA3rd Year, Sem. VI,
Course IV
(Project)**

Program/Class: Degree/BA	Year: Third	Semester: Sixth
Subject: Anthropology		
Course Code: A170604R	Course Title: Fieldwork	
<p>Course outcomes: Students will be able to understand-</p> <ul style="list-style-type: none"> • Applications of anthropological theories and research methods in the actual field. • This would help students to be aware of national tribal and rural scenario where fieldwork will be conducted. • This would inculcate cultural relativism among students. • Learn to prepare Dissertation. 		
Credits: 3	Core Compulsory	
Max. Marks: 25+75	Min. Passing Marks:40	
Total No. of Lectures-Tutorials-Practical (in hours per week): P-2/w		
Unit	Topics	No. of Lectures
I	<p>Research: Techniques, Method and Methodology. Fieldwork: Primary and secondary sources of data collection Content analysis and report writing. Construction of Interview Schedule and Genealogies. Dissertation has to be based on empirical investigation under the supervision of a faculty member.</p> <p>Note:</p> <ol style="list-style-type: none"> 1. Students are required to visit for Anthropological Fieldwork in any tribal or rural area as decided by Department. 2. Fieldwork duration shall be at least of 7 days stay at location with the population to be studied. 3. Faculty in-charge shall submit tentative day wise activity report to HOD in University and Principal in colleges. 4. Faculty in-charge shall coordinate with Institutes/Colleges/ Universities/Research institutes etc in location where fieldwork is being planned for academic interaction. 5. One Faculty member with one non teaching staff shall accompany the students during fieldwork. 6. The TA, DA and other expenses of teachers, students and attendants shall be met out by college/ university as admissible to their cadre as per government rule. 	45

<p>Suggested Readings:</p> <ol style="list-style-type: none"> 1. Bernard, H.R.(2006) Research Methods in Anthropology, Qualitative and Quantitative Approaches. Jaipur: Rawat Publications 2. Srivastava, V.K. (2005) Methodology and Fieldwork. OUP, India. 3. Sahay, Vijoy S. (2020) Experiencing Anthropology in the Nicobar Archipelago. Routledge India. 4. O'reilly, K.(2005) Ethnographic Methods. London and New York: Routledge. 5. Patnaik, S.M.(2011) Culture, Identity and Development: An Account of Team Ethnography among the Bhil of Jhabua.Jaipur: Rawat Publications. 6. Pelto, P.J. and Pelto, G.H.(1978) Anthropological Research, The Structure of Inquiry. Cambridge: Cambridge University Press. 7. Sarantakos, S. (1998) Social Research. London: Macmillan Press. 8. Gautam, Rajesh (2011) Baigas: The Hunter Gatherers of Central India. Readworthy Publications. Delhi. 		
<p>This course can be opted as an elective by the students of following subjects: Open for all</p>		
<p>Suggested Continuous Evaluation Methods: Fieldwork, Seminar, Presentations, VIVA, Dissertation.</p>		
<p>Suggested equivalent online : https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=1 Swayam Coursera</p>		