

**Department of Anthropology**  
**SDS Uttarakhand University , Badsah ithaul, Tehri Garhwal**

**Proposed M.A./M.Sc Courses in Anthropology**

**Eligibility : B.Sc degree in Bio Group and B.A degree in any disciplines.**

**First Semester**

<b><u>Compulsory Courses:</u></b>	Internal+ External=Total
Anth-PG- 01 Physical Anthropology	20+80=100
Anth-PG-02 Social and cultural Anthropology	20+80=100
Anth-PG-03 Pre-Historic Anthropology	20+80=100
Anth-PG-04 Research Methods in Anthropology	20+80=100
Anth-PG-05 Practical Anthropometry and Osteology	20+80=100

**Second Semester**

<b><u>Compulsory Courses:</u></b>	Internal+ External=Total
Anth-PG-06 Economic and Political Anthropology	20+80=100
Anth-PG-07 Human Genetics and Ethnic variation	20+80=100
Anth-PG-08 Pre-Historic cultures	20+80=100
Anth-PG-09 Research data analysis in Anthropology	20+80=100
Anth-PG-10 Practical prehistoric and material culture	20+80=100

**Third Semester**

Students opt. any one group ie. Group “A” or Group “B”

Group A- Physical Anthropology

Group B- Social Anthropology

**Compulsory Courses:**

	Internal+ External=Total
Anth-PG- 11 Medical Anthropology (Part I)	20+80=100
Anth-PG-12 Medical Anthropology (Part II)	20+80=100
Anth-PG-13 Applied and Action Anthropology	20+80=100
Anth-PG-14 Practical in Medical Anthropology (Project Report)	20+80=100

**Elective Course:**

**(Group-A):**

Anth-PG-E- 15(A) Human Evolution and Variation 20+80=100

**Elective Course:**

**(Group-B):**

Anth-PG-E-15(B) Tribal India 20+80=100

**Fourth Semester**

**Compulsory Courses:**

**Group A & B**

Internal + External= Total

Anth-PG-C-16 Indian Anthropology 20+80=100

Anth-PG-C-17 Ecological Anthropology 20+80=100

Anth-PG- 18 Anthropology of Development 20+80=100

Anth-PG-19 Dissertation 20+80=100

**Elective Courses:**

**(Group-A)**

Anth-PG-E-20 (A) Human Growth and Development 20+80=100

**Elective Courses:**

**(Group - B)**

Anth-PG- E-20 (B) Theory of Social Anthropology 20+80=100

**First Semester**

**Anth-PG- 01 physical Anthropology**

1. Meaning and scope of physical Anthropology. Human Place in Animal Kingdom.
2. Living Primates; Primate classification; Tree Shrew, Lemur, Loris; Tarsius, new word Monkeys, Old Word Monkeys. Hominoid Gibbon and Siamang; Orangutan; Gorilla; Chimpanzee; The Human.
3. Theories and Principles of-Evolution: Lamarckism; Neo- Lamarckism ; Darwinism Neo Darwinism; Parallelism; Convergence; Orthogenesis; Synthetic theory of Evolution .
4. Principal of human Genetics: Biological basics of life : The Cell; Cell structure; Chromosome; mitosis; and meiosis; Sex Chromosomes; DNA structure and Code; theory of gene ; point Mutation.

**Books Recommended :**

1. Roy , Indrani Basu,2003 Anthropology: The study of man. S chand and co. New Delhi.
2. Garm. S.M.1971 human races: sping field: Chals C. Thomas
3. Coon, C.S. 1968 .Origin of Races
4. B.M Das: An introduction of physical Anthropology

5. Ghosh & Ghosh – Physical Anthropology
6. Naresh k vadia- Biological Anthropology
7. B.R.K Shnkla & Sudha Rastogi- Human genetics and races
8. Practical Anthropology by – M.k Bhasin & J.P singh

### **Anth-PG- 02 Social and Cultural Anthropology**

1. Social Anthropology: Meaning and Scope: Cultural Relativism: holism and Cross-Cultural.

Concept and Definition: Group; Community, Association; Institution: Society: Status and Role; Social Structure Organization; Tribe; Village: Culture.

2. Marriage: Importance of marriage as an institution in Human society; problem of Universal Definition : Incest and Exogamy; preferential and prescriptive categories of marriage ; cultural variation in acquiring spouse in tribal societies ; marriages payment –bride price and dowry; polyandry and polygamy in India.
3. Family: Universality of family : Family- form and function ; Rules of residence , hindu joint family and change, development cycle of domestic groups .
4. Religion: Universal Definition of Religion; theories of Religion –Psychological sociological and anthropological , Magic , Religion and science totemism .

### **Books Recommended :**

1. Beals, Ralph and Harry Hoijer : introduction to Anthropology
2. Bohaman, Paul : Social Anthropology
3. Firth, Raymond: Element of social Organization
4. Mair,L: Introduction to Social Anthropology
5. Madan and Majumdar : An introduction to social anthropology.
6. Mair.L.: Introduction to social anthropology
7. Firth, raymond : Elements of social anthropology

### **Anth- PG- 03 Pre-Historic Anthropology:**

1. **Introduction to Pre-Historic Anthropology**

Pre-Historic Anthropology ,Relation of Anthropology with Science, Social Sciences and Anthropology Major branches, Pre-history and Ethno-Archeology.

2. **Geological and Archeological Time Sale:**

Time Scale and their relevance in interpreting Human Evolution.

Geological framework Tertiary, quaternary, Pleistocene and holocene.

Ice Ages during Miocene, Pliocene and Pleistocene, glacial and interglacial periods, causes of ice ages,

### **3. Dating Method:**

Relative and Absolute Dating.

River terraces, stratigraphic dating, palynology, Radiocarbon dating, potassium Argon dating, Thermo luminescence, Dendochronology, archeology, archeomagnetism etc, Cultural Chronology, The three Age system, stone/ copper/bronze/iron age (Paleolithic, Mesolithic and Neolithic period)

### **4. Tool Typology and Technology:**

Stone tool typology: pebble tools: chopper chopping tools: bi-faces hand –axe, cleaver, scraper, blade, microlith grinding stone : ring stones. Technique: percussion, block on block, stone hammer, cylinder hammer, clactonian and levalloisian . Blade, grinding and polishing, artifacts typology/ pottery and other evidences identification and interpretation of stone tools and fossils.

### **Books Recommended:**

1. Agarwal, D.P. 1982. The Archeology of India, New Delhi
2. Agarwal,D.P. 1974. Prehistoric Chronology and Radiocarbon Dating in India, New Delhi
3. Ghosh,A, 1973. encyclopedia of Indian Archeology, New Delhi
4. Rami Reddy 1977, Element of prehistory
5. lanusch Buettner 1966 Origin of Man John Wiley & sons inc,New York
6. Sankalia,H.D. 1964, Stone Age Tools: their techniques, names and probable function, Deean College,Pune
7. Dr. Ramesh chube – Puratatwik Manav vigyan.
8. Agarwal D.P 1982- the archeology of India, New Delhi

### **Anth-PG- 04 Research Methods in Anthropology:**

1. Field work tradition in all branches of Anthropology to gain holistic prospective, special research and social survey: logical historical and scientific methods, Hypothesis : sources, characteristics and importance , Ethnographic methods.
2. Research design: Aims, Objectives and types, Sources of Data: primary and secondary sources.
3. Method and techniques of data collection- primary data collection: questionnaire

4. Interview, Schedule ,case study, method, audio visual recording, method of observation and Genealogy.  
Secondary data collection: Census, National Sample Survey.

### **Books Recommended:**

1. Goode & Hatt. Method in Social Research
2. Young, P.V. Scientific Social Surveys and Research
3. Danda, Ajit, Methodology in Anthropology, Inter India, New Delhi
4. Anuja, R, Research Methods
5. Bartlett, F.C. The study of Society (selected chapter)
6. Bajpai, S.R. Methods of Social Survey and Research Goode & Hatt method in social research
7. Danda ajit- Research methodology in anthropology , Inter – india ,new Delhi
8. R.N Mukherjee- social survey and research

### **Anth-PG -05 Practical (Anthropometry and Osteology)**

#### **A. Craniometry**

1. Maximum Cranial length
2. Maximum Cranial Breadth.
3. Maximum Frontal Breadth.
4. Length of the foremen magnum.
5. Total Cranial height.
6. Morphological facial height.
7. Nasal length.
8. Nasal Breadth.
9. Nasal Index.
10. Cranial Index.
11. Glabala lambda length.
12. Frontal arch.
13. parietal arch.
14. occipital arch.

15. Nasion Inion length.
17. Basion-Bregma length.
18. Maximum occipital breadth.
19. Bizygomatic breadth.
20. Bimaxillary breadth.

### **B. Somatometry-**

1. Maximum Head length.
2. Maximum head breadth.
3. Cephalic index.
4. Nasal length.
5. Nasal breadth.
6. Nasal index.
7. Morphological facial height.
8. Head circumference.
9. Height vertex or stature.
10. Sitting height.
11. Body weight.
12. Ponderal index.
13. Height Acromion.
14. Height Illiocristale.
15. Height Cervical.
16. Height Span.
17. Height Dactylion.
18. Bigonial breadth.
19. Total Arm length.
20. Glabala inion length.

### **Osteology**

1. Skeleton
2. Skull
3. Mandible
4. Scapula

5. Humerus
6. Radius
7. Ulna
8. Femur
9. Tibia
10. Fibula
11. Hip bone

**Books Recommended:**

1. Practical Anthropology by – M.k Bhasin & I.P singh

## **Second Semester**

**Anth—PG-06 Economic and political Anthropology**

1. Law and Social control: Definition and the Cultural background of law. The Anthropological approach to the study of law to be described with example .
2. Economic organization: Features of primitive Economic organization . forms of exchange: Reciprocity: Barter: Ceremonial exchange: Silent Trade, redistribution and trade: concept of poverty and money in primitive societies.
3. Political organization mechanism of Social control in primitive societies: nature of primitive law: Government: state and stateless societies: panchayat-origin. history and change through time: factions.
4. Social Stratification: Estate, class and caste: The major features of the caste system. cast in India today. The impact of caste on other religious group in India.

**Books Recommended:**

1. Beals, Ralph & Harry Hoijer: Introduction to Anthropology
2. Beattie, John other cultures.
3. Bohannan, paul: Social Anthropology
4. Goode and Hatt method in social research
5. R.N Mukherjee- statistics and social research

6. Agarwal, D.P 1974 , stone age tools , their techniques, Names and Probable Junction D.C,Pune

### **Anth-PG-07 Human Genetics and Ethnic Variation**

1. Genetics Definition and its relevance in Physical Anthropology, the Mendelian Principal.
2. Cell: Structure and Division
3. Ethnic Variation :The concept of ethnic groups. Race Formation . The criteria for racial Classification . Major Races of the world and their distribution. Racial element in the Indian–continent.
4. Evolutionary Process in Modern Populations –Population, Population Genetics, Evolution in Modern Population, Deviation from Hardy Weinberg Expectation, Mutation, Migration(Gene Flow), Genetic Drift (Founder’s Principal ) Natural Selection, Interaction of Evolutionary Forces, Human Polymorphism, in Human Blood: ABO, MN, Rh and other Systems ;Human Polymorphism Anthropological Applications, Dermatoglyphics.

### **Books Recommended:**

1. Birdsall,J.B: Human Evolution :An Introduction to new Physical Anthropology.
2. Bodemer & S forza : Genetic Structure of Human Population
3. Hartal ,Daniel :Human Genetics,
4. Li,C.C.:Human Genetics
5. Shukla, B.R.K. and rastogi ,S: Physical Anthropology and Human Genetics
6. Stern ,Curt :Principles of Human Genetics.
7. Dumont, Lousis: Homo Hierarchieus.
8. B.R.K Shukla and Sudha Rastogi- physical Anthropology and Human genetics
9. Stern curt- Principles of Human genetics

### **Anth –PG- 08 Pre-historic Cultures:**

#### **1. Paleolithic Cultures:**

Lower Paleolithic Culture: Africa-Old wan

Europe: Acheulian, Adivillian, Levalosion, Clactonian, India: Sohn, Madrasian.

#### **2. Middle Paleolithic Culture:**



African, Mousterian, Indian Upper Paleolithic Culture: Europe - Aurignacian Solutrean, Magdalenian Cultures, India. Cultural and Biological evidences of Paleolithic Cultures of India & characteristic Paleolithic Art in India.

### **3. Mesolithic and Neolithic Cultures:**

Azilian, Tardenoisian, Kitchen Middle Culture Jericho and Jarmo culture Langhanaj, Bagor Adamgarh, Burzhom Northern/Eastern and South Indian Neolithic Characteristics features of Mesolithic and Neolithic cultures and cultural and Biological evidences of cultures.

### **4. Indus Valley civilization – Chalcolithic cultures and Megalithic Cultures :**

Distribution, Period, Characteristics, causes of decline, people and culture of Indus valley Civilization. Chalcolithic culture and the characters.

### **Books Recommended:**

1. Agarwal , D.P 1982 the archeology of India, New Delhi.
2. Agarwal , D.P 1974 Prehistoric Chronology and Radiocarbon Dating In India, New Delhi.
3. Ghosh,A. 1973 Encyclopedia of Indian Archeology , New Delhi
4. Rami Reddy 1997 element of prehistory
5. Sali,S.A 1990 stone age India , Shankar publishers Aurangabad.
6. Sankila, H.D 1964 stone age tools : Their technique, Names, and probable function , Deccan college , Pune.

### **Anth –PG- 09 Research Data analysis in Anthropology**

1. Data Definition and Characteristics  
Data Collection : Choice of suitable technique .
2. Classification : Geographical , Chronological , Qualitative and Quantitative .  
Tabulation: General , special purpose and Machine Tabulation .
3. Analysis and Interruption of Data.  
Graphic and Diagrammatic presentation of Data.  
Preparation and writing of report.
4. Scope , Utility and importance of Statistics in Anthropology  
Sampling: random , purposive, Stratified ,Systematic and quota sampling .  
Measures of central tendency – mean , mode and median

### **Books Recommended**

1. Goode & Hatt, method in Social Research
2. Young, P.V Scientific Social surveys and Research
3. Danda , Ajit, Research Methodology in Anthropology Inter India, New Delhi

4. Ahuja , R. Research Methods
5. Bartlett, F.C : the study of society
6. Bajpai, S.R : methods of social survey and Research
7. Goode and hatt method in social research
8. R.N Mukherjee- statistics and social research

### **Anth –PG- 10(A) Practical Prehistoric Tools and material Culture**

Detailed given by Department.

### **Third Semester**

### **Anth–PG- 11 Medical Anthropology ( part 1<sup>st</sup>)**

**1. Medical Anthropology :** Historical roots ; Definition , Aims and Scope.

**2. Theoretical orientation in medical Anthropology**

- a. Classificatory Approach –W.H.R. Rivers.
- b. Culture – trait approach – forest clement.
- c. Structural , functional and Cultural Configurational Approach.  
E.H. Ackerknecht, Margaret Mead, Benjamin D Paul, George M. Foster . d recent trends  
Alexander Alland, Frederick L. Dunn, Horacio Fabrega, Arthur Kleinman, Allan Young, Cecil Helman, Browner
- d. Growth of Medical Anthropology in India.

**3. Medical system:**

- a. Medical systems as cultural systems : illness disease dichotomy  
illness etiologies; illness classification and perception ; professional, folk and popular  
sectors in medical systems.
- b. Medical system as Social system
- c. Medical system as Adaptive system.
- d. Health culture

**4. Health care delivery system:** Institutional settings cures: Role and status , Therapeutic  
interview(Doctor- patient relationship) ; public health , preventative measures.

### **Recommended Readings:**

1. P.C Joshi- medical anthropology of India
2. Dr. M.M Lawaniya and Shashi K Jain – Medical sociology

### **Anth-PG- 12 Medical Anthropology( part II<sup>nd</sup>)**

1. Folk Psychiatry : Culture change and mental illness ; therapeutic elements in magico-religious healing techniques ; illness and social control.
2. Medical pluralism ; cosmopolitan , regional and local medical systems ; interaction between different systems of medicine ; therapeutic management group; (choice pattern and decision making ); ambiguities in medical revivalism ; community health workers scheme ; politics of health services.
3. Implications of medical anthropology in international health care planning ; integration of different systems of medicine ; strength and Weakness of Traditional Systems ; health for All by 2000 A.D.
4. Traditional Medicines in the central Himalayas specialized , generalized and home medicines sectors, forms of traditional medicines natural and supernatural .

### **SOS Anth-PG-E-13 Applied and Action Anthropology**

1. Applied Anthropology : history ; Aims & Scope Applied and Action Anthropology .
2. Anthropology and tourism sacred geography
3. Anthropology and SC/ST policy: constitutional safeguards and implementations.
4. Anthropology as a museum subject museums in India and World;  
Methodology of collection of Anthropological objects through field works;  
Documentation including visual documentation and use of computer storage and retrieval procedures ; methods of handling , restoration. Conservation and preservation . methods of display and Exhibition ; Role of Anthropological museums in Community life and national integration.

#### **Recommended Readings:**

1. Applied and Action anthropology by L.P. vidiyarthi
2. B.M das – physical Anthropology

### **SOS Anth-PG-C-14 Practical- Project in Medical Anthropology**

#### **Elective Course (Group-A)**

### **SOS Anth-PG-E-15 (A) Human Evolution and Variation**

1. Evolutionary Record; Early revolutionary History ; Paleozoic Era ; Mesozoic Era; Cenozoic Era.
2. Primate evolution: Time scale, Earliest primates, Paleocene primates, Oligocene primates Proploipithecus, Aegyptopithecus, Miocene primate; Paleogeography and Miocene Hominid Evolution, Dryopiths, Ramapiths/ Sivapiths.
3. Paleoanthropology : Definition of Hominids, bio cultural Evolution , human as a tool maker, Plio-Pleistocene hominids; history of discovery of Plio-Pleistocene hominids – Earliest Discoveries, Australopithecus-Africans, Robustus, Afarensis, Meganthropus Homo habits, Plio-Pleistocene Hominids- organization and interpretation.

4. Homo Erectus, Pleistocene Homo erectus Javanensis, Pekinensis, Heidelberg jaw; vertesszollas, terra Amata , Narmada man. Homo Erectus – Distribution, human emergence – Australopithecus to homo Erectus.

### **Book Recommended :**

1. Strickberger , M.W genetics .
2. Mckusic. V.A Human genetics.
3. Stern curt – principles of human genetics
4. Leuitan & mantagn \_ A text book of human genetics
5. Horrision et al., Human biology , Giblett ,E.R – Genetic markers in human blood.
6. B.M das – physical Anthropology

### **Elective course (Group B)**

#### **Anth-PG-E-15(B) Tribal India**

1. Concept of tribe in Indian context .
2. Tribal societies in changing prospective
  - (i) Pre colonial period
  - (ii) Colonial period
  - (iii)Post independence
3. Social Change in tribal societies : A historical perspective
  - (i) Tribe – cast interaction
  - (ii) Economic and political factors of change
  - (iii)Tribal uprising
4. Social change in contemporary period
  - (i) Political democracy
  - (ii) Constitutional safeguards in modern India
  - (iii)Industrialization and urbanization

### **Fourth semester**

#### **Compulsory Course For Group A & Group B**

#### **Anth-PG-17 Ecological Anthropology**

1. Ecological Anthropology: Aims and scope.
2. History of Ecological Anthropology: Contribution of Julian steward; Leslie white
3. Environment and Habitat : Evolution of Dwelling Forms; major types of settlement patterns in India; house types and construction techniques.
4. Ecology and Substance strategies : Hunting – gathering , Horticulturist: pastoral; shifting cultivation, agro Pastoralism. Himalayan Ecosystem – Man Nature interaction , The symbolic relationship : man , Nature and spirit (Maler): man , Nature and animal .

#### **Anth-PG- 16 Indian Anthropology**

1. Growth and Development of Indian Anthropology there places formulating, Description and Anatomic.
2. Applied and Action Anthropology in India.
3. Applied and Action Anthropology ,Tribe and Cast a Jury of Tribal community in India geography, languages, economy and social organization.
4. Anthropological Approaches in National Character Studies.

**Recommended Readings:**

1. Nadeem hasnan – Indian Anthropology

**Anth –PG -018 Anthropology of Development**

1. Development : Meaning and evolution of the concept , Approaches and Strategies of development in India .
2. Poverty and development , social justices and Equity , poverty alleviation programs, Human Resource Development (HRD).
3. Planning : concepts, policy and process Agencies for development : Government and Non-governmental people participation.
4. Rural Development : land reforms , C.D.P. Panchayati raj, tribal development , constitutional provisions for development of scheduled castes and scheduled tribes , administration of scheduled areas , socio cultural factors in development with case studies.

**Books Recommended:**

1. Chansarkar, B.A.: Models of planning in India
2. Cochrane: Development Anthropology
3. Dey , Nitish : overcoming under Development
4. Prasad , Kamta: planning for poverty Allivation
5. Spicer , E.H.:Human factor in Technological changes
6. Chan sharkar, B.A: Models of planning in India

**Anth-PG-19 Dissertation**

Field work is conducted for Twenty days in any tribal and backward area of India. under the supervision of One or Two faculty members of the department of Anthropology . Then the candidate will be eligible for presentation of the dissertation. A dissertation will be presented on the

basis of the field work and a viva –voice examination will be conducted on . The whole exam will be of 100 marks .

### **Elective course Group: A**

#### **Anth–PG-E-20 (A) Human growth, Development and Nutrition**

1. Definition and Concept of growth, differentiation Maturation and Development .
2. Stages of Growth – prenatal, Infancy; childhood ; Adolescence ; Maturity ; senescence; gerontology..
3. Factors affecting growth genetic , Environmental Harmonal, socio-economic ,secular trends .
4. Importance of Age recording and Decimal Age in growth studies.  
Methods of studying human growth and development longitudinal, cross sectional and mixed longitudinal ; growth curves ; measurements employed in the study of human growth and development , analysis of human physique and body composition- Sheldon Parnell, Health- caste method of Somatotyping. Nutrition and type.

### **Elective Course Group:B**

#### **Anth–PG-E-20(B) : Theory of Social Anthropology**

1. Growth and Development of Social Anthropology.
2. Evolutionism: Bachofen, Mc'lennan , Maine; Morgan Taylor, Frazer.
3. Diffusionism : British Diffusionism Elliot Smith W.H.R. Rivers, German Diffusionism (Schmidt; Graebner); American Diffusionism (Boas; Kroeber) ; culture area Approach.
4. Functionalism and structural Functionalism B.Malinowski; A.R. Radcliffe – brown.

### **Recommended Books:**

1. W.J Goode and P.K Hart(1952) Methods in Social research. Me Graw Hill Co, New Delhi.
2. Marvin Harris (2001) Rise of Anthropological Theory Altamira press , Walnut creek , C.A
3. Makhan Jha : Anthropological theory
4. Gaya pandey; Anthropological theory ( Classical and modern)