

SYLLABUS

B.A./B.Sc.

ANTHROPOLOGY

DEPARTMENT OF ANTHROPOLOGY
HNB GARHWAL UNIVERSITY | SRINAGAR GARHWAL

H. N. B. GARHWAL UNIVERSITY

(A CENTRAL UNIVERSITY)

ANTHROPOLOGY

UNDER GRADUATE CURRICULUM

CHOICE BASED CREDIT SYSTEM

(Effective from Academic Session 2018-19)

Sem-ester	Course	Paper Code No.	Title of Paper	Credits	Marks
I	Compulsory Course	SHSS-ANTH-UG-C-101	Introduction to Anthropology	04	70+30
		SHSS-ANTH-UG-C-102	Practical: Introduction of Anthropometry And Instrumentation.	02	70+30
	Ability Enhancement Course	AEC-EMC-101	English /MIL Communication	04	
II	Compulsory Course	SHSS-ANTH-UG-C-201	Social Anthropology	04	70+30
		SHSS-ANTH-UG-C-202	Practical : Anthropometry-I Somatometry & Sometoscopy	02	70+30
	Ability Enhancement Course	AEC-EVS- 101	Environmental Science	04	
III	Compulsory Course	SHSS-ANTH-UG-C-301	Physical Anthropology	04	70+30
		SHSS-ANTH-UG-C-302	Practical : Anthropometry-II Craniometry	02	70+30
	Skill Enhancement Course	SHSS-ANTH-UG-SE-303	Tribal Culture in India	02	70+30
IV	Compulsory Course	SHSS-ANTH-UG-C-401	Pre-historic Anthropology	04	70+30
		SHSS-ANTH-UG-C-402	Practical : Prehistoric Tools & Material Culture	02	70+30
	Skill Enhancement Course	SHSS-ANTH-UG-SE-403	Anthropological Theory	02	70+30
V	Compulsory Course	SHSS-ANTH-UG-C-501	Practical : Serology, Dermatoglyphics & Osteology	02	70+30
	Skill Enhancement Course	SHSS-ANTH-UG-SE-502	Human Genetics	02	70+30
	Discipline Specific Elective (opt in one Paper)	SHSS-ANTH-UG-DSC-503 (A)	Paleoanthropology	04	70+30
		SHSS-ANTH-UG-DSC-503 (B)	Ethnology of India	04	70+30
Generic Elective	SHSS-ANTH-UG-GEN-504	Forensic Anthropology (For other Subject Students)	04	70+30	
VI	Compulsory Course	SHSS-ANTH-UG-C-601	Practical: Dissertation/Project Report- based on Field Survey	02	70+30
	Skill Enhancement Course	SHSS-ANTH-UG-SE-602	Applied Anthropology	04	70+30
	Discipline Specific Elective (opt in one Paper)	SHSS-ANTH-UG-DSC-603 (A)	Research Methods	04	70+30
		SHSS-ANTH-UG-DSC-603 (B)	Indian Anthropology	04	70+30
	Generic Elective	SHSS-ANTH-UG-GEN-604	Social Demography (For other Subject Students)	04	70+30

B.A / B.Sc – I SEMESTER
Compulsory Course: ANTH-101
Introduction to Anthropology
(Theory: Credits - 4)

1. Anthropology: Definition, Aims and Scope.
2. Origin of Anthropology: A Historical Perspective - Formulatory Period, Convergent Period, Constructive Period and Critical Period.
3. Different Branches of Anthropology: Physical, Socio-Cultural, Archaeological and Linguistic Anthropology, their Inter-relationship with other Sciences.
4. Recent and Emerging Trends of Anthropology: Cognitive Anthropology, Gender Anthropology, Symbolism Anthropology, Nutrition Anthropology, Sports Anthropology, Ethnicity, Ethno Science, Field work and Ethnography, Psychological Anthropology.

Suggested Books:

1. Jurmain R., Kilgore L., Trevathan W. and Ciochon R.L.: Introduction to Physical Anthropology.
2. Kroeber A. L.: Anthropology.
3. Das B. M.: Outline of Physical Anthropology.
4. Evans Pritchard: Social Anthropology.
5. Jha Parfulla Ranjan, Barnwal D. and Jha R. K.: Anthropology Part – I & II. (In Hindi)
6. Shukla B.R.K. and Rastogi: Laboratory Manual of Physical Anthropology.
7. Jha Makhan: An Introduction to Anthropological Thought. (In Hindi)

Compulsory Course: ANTH-102
Introduction to Anthropometry and Instrumentation
(Practical: Credits - 2)

1. Anthropometry- Brief Historical Background, Division of Anthropometry, Type of Measurement and Applications of Anthropometry.
2. Instrumentation- Anthropometre Rod, Calipers, Osteometry Board, Goniometre, Parllelograph Crainiophore, Cubic Crainiophore, Diaptograph, Mandibulometre, Orbitometre, Palatometre Skinfold Caliper etc.

Suggested Books:

1. Das B. M & Rajan Deka. : Physical Anthropology Practical.
2. Shukla B.R.K. and Rastogi: Laboratory Manual of Physical Anthropology.
3. Agnihotri B. Practical Physical Anthropology.

B.A/B.Sc. – II SEMESTER
Compulsory Course: ANTH- 201
Social Anthropology
(Theory: Credits - 4)

1. Social Anthropology: Definition, Aims, Objective & Scope and Relationship with other Social Sciences.
2. Basic Concept in Social Anthropology: Society, Group, Community, Status and Role, Caste and Class, Structure and Organization, Culture.
3. Family: Definition, Origin of Family, Characteristic of the Family, Forms of Family, Universality of Family.
4. Marriage: Definition, Type of Marriages, Prohibitions Regarding Marriage, Preferential Mating, Ways of Acquiring the Mates and Divorce.
5. Kinship: Definition, Types of Kinship, Categories of Kinship, Kinship Terminology, Kinship Usage, Descent Principal and Group.
6. Economic Organization: Meaning and Scope, Main Stages of Economic Development, Economic Mechanism in Primitive Society, Gift and Hospitality, Trade and Exchange.
7. Political Organization: Definition of Primitive Law, Justice in Primitive Society, Social Sanction, Social Control and Government, State and State less System.
8. Religion and Magic: Definition and Differences, Theories Regarding Origin of Religion, Magic, Totem and Taboos.

Suggested Books:

1. Majumadar D.M., Madan T. N.: An Introduction to Social Anthropology. (In Hindi and English)
2. Herskovits M. J.: Cultural Anthropology.
3. Roger Keesing: An Introduction of Cultural Anthropology.
4. Jha P. R., Barnwal D. and Jha R. K.: Anthropology Part – I.
5. Mishar Uma Sankar and Hasnen Nadeem: Social Cultural Anthropology. (In Hindi)
6. Monaghan John and Peter J.: Social and Cultural Anthropology.
7. Evans Pritchard: Social Anthropology.

Compulsory Course: ANTH- 202
Anthropometry- I: Somatometry & Somatoscopy
(Practical: Credits - 2)

1. **Somatometry:** Height Vertex, Height Tragus, Height Acromion, Height Radiale, Height Stylium, Height Dactylion, Sitting Height Vertex, Bi-acromial Diameter, Hand Length, Hand Breadth, Foot Length & Breadth, Body Weight, Maximum Head Length, Maximum Head Breadth, Nasal Length, Nasal Breadth, Cephalic Index, Nasal Index, Facial Index, Body Mass Index (BMI)
2. **Somatoscopy:** Hair Form, Nose Form, Eyes Form, Lips Form.

Suggested Books:

1. Das B. M & Rajan Deka. : Physical Anthropology Practical.
2. Shukla B.R.K. and Rastogi: Laboratory Manual of Physical Anthropology.
3. Agnihotri B.: Practical Physical Anthropology.

B.A/B.Sc. - III SEMESTER
Compulsory Course: ANTH- 301
Physical Anthropology
(Theory: Credits - 4)

1. Biological/Physical Anthropology: Definition, Aims, Objective and Scope.
2. Organic Evolution: Lamarckism and Darwinism.
3. Man's Place in Animal Kingdom: Taxonomy.
4. Comparative Anatomy (Man and Anthropoid Apes): Dentition, Skull, Limb Bone & Girdles.
5. Mendel's Law of Inheritance.
6. Cell: Its Structure and Division.
7. Simple and Single Factor Inheritance and Sex-Linkage.
8. Characteristics and Distribution of Caucasoid, Mongoloid and Negroid.
9. Elementary Blood Group and Finger Prints.

Suggested Books:

1. Craig Stanford, John S. Allen and Susan C. Anton : Biological Anthropology (2nd Edition).
2. John Buettner-Janusch: Origins of Man.
3. Simon E. L.: Primate Evolution: An Introduction to Man's Place in nature.
4. Das B. M. : Outline of Physical Anthropology.
5. Shukla B.R.K. and Rastogi : Physical Anthropology & Human Genetics .(In Hindi & English)
6. Vadhya N.K. & Pandey : Biological Anthropology.
7. Choubey Ramesh: Physical Anthropology. (In Hindi)
8. Jha Parfulla Rajan, Barnwal D. and Jha R. K. : Anthropology Part – II. (In Hindi)

Compulsory Course : ANTH- 302
Anthropometry- II: Craniometry
(Practical: Credits - 2)

1. **Craniometry:** Maximum Cranial Length, Maximum Cranial Breadth, Glabella-Inion Length, Nasion-Inion Length, Nasion-Basion Length, Bi-Maxillary Breadth, Nasal Length, Nasal Breadth Cranial Index, Cranial Nasal Index, Minimum & Maximum Frontal Breadth, Circumference of Skull, Length of Foramen Magnum, Upper Facial Height, Maximum Bizygomatic Breadth, Bimaxillary Breadth, Biogonial Breadth, Mandibular Length or Length of Lower Jaw.

Suggested Books:

1. Das, B. M & Rajan Deka. : Physical Anthropology Practical.
2. B.R.K.Shukla and Rastogi : Laboratory Manual of Physical Anthropology .
3. Agnihotri B. Practical Physical Anthropology.

Skill Enhancement Course: ANTH - 303

Tribal Culture in India

(Theory: Credits - 4)

1. Tribe: Definition, Concept of Tribes and General Characteristics of Tribes,
2. Tribes in India: Classification – Geographical, Linguistic, Racial and Economic Based.
3. Social Life of Indian Tribes: Marriage, Family and Kinship.
4. The Problems of Indian Tribes And Tribal Welfare, Constitutional Safeguard & provisions,
5. Ethnographic Profiles of Uttarakhand Tribes: Bhotia, Jaunsari, Boxa, Tharu and Raji.
6. Tribes, Forest and Forest Policies, Development Policies, Tribal Displacement and Problems of Rehabilitation, Tribal Movements.
7. Role of Anthropology in Tribal development.

Suggested Books:

1. Mukharje, R.Nath : Samajik Manavsashtra ki Ruprekha.
2. Nadeem Husnain : Tribal India (In Hindi and English)
3. Srinivas, M.N: India Social Structure.
4. Upadhaya V.S & Gaya Pandey : Janjatiya Vikas
5. Chauhan V.S: Bharat ki Janjatiyan : Uttarakhand ke Vishesh Sandarbh Mein.

B.A./B.Sc - IV SEMESTER

Compulsory Course: ANTH-401

Pre-historic Anthropology

(Theory: Credits - 4)

1. Prehistory: Meaning and Scope, Different types of Archaeology – Classical, Historical, Proto-historic and Pre – historic Archaeology.
2. Dating method: Absolute and Relative Dating Method.
3. The Great Ice Age: Stratigraphic and other evidence of Ice-Age, River, Moraines and Estate Fluctuations. Alpine and Himalayan Glaciations and Pluviations.
4. The Stone Age and Tools, Typology and Technology: Paleolithic, Mesolithic and Neolithic Age, Chalcolithic Age, Iron Age, Bronze Age.
5. Pre-historic Dimension of Indian Culture: Paleolithic, Mesolithic, Neolithic Culture and Chalcolithic Cultures, Megalithic Culture.
6. Indus Valley Civilization and Harrapan Civilization.

Suggested Books:

1. Allchin: The Birth of Indian Civilization.
2. Miles Burkitt: Old Stone Age.
3. Bhattacharya D. K.: An Outline of Indian Prehistory.
4. Bhattacharya D. K.: Pre-historic Archaeology.
5. Choubey Ramesh: Puratatvik Manav Vigyan.
6. Husnain Nadeem: General Anthropology. (In Hindi and English)
7. Majumdar D.N., Gopal Saran: Pragitihis. (In Hindi)

Compulsory Course: ANTH-402
Pre-historic Tools & Material Culture
(Practical: Credits - 2)

1. Prehistoric Tools: Identification, Scientific Sketching and Description with Type and Technology of the following Tools: Chopper/Chopping Tool, Hand-axe and Cleaver Tool, Side Scraper, End Scraper, Borer, Burin, Flakes and Blades, Microliths.
2. Material Culture: Detail will be given by Department.

Skill Enhancement Course: ANTH- 403
Anthropological Theory
(Theory: Credits - 4)

1. Evolution Theory: Bachofen, McLennan, Morgon, Frazer, and Taylor.
2. Diffusionism: British Diffusionism, German Diffusionism, American Diffusionism.
3. Functionalism and Structural-Functionalism: Malinowasli and Radcliffe Brown.
4. Structuralism: Claude Levi-Strauss and Edmund Leach.
5. Symbolism: Nadal and Firth
6. Culture and Personality Approach.

Suggested Books:

1. Clifford Geertz: The Interpretation of Cultures: Selected Essays.
2. Harris Marvin: Rise of Anthropological Theory.
3. Applebaum H.A.: Perspectives in Cultural Anthropology.
4. Barnard A.: History and Theory in Anthropology.
5. McGee R.J. and Warms R.L.: Anthropological Theories: An Introductory History.
6. Moore M. and Sanders T.: Anthropology in Theory: Issues in Epistemology.
7. Jha Makhan : An Introduction to Anthropological Thought.(In Hindi)
8. Misrh Uma.S. Anthropological Thought.(In Hindi)
9. Pandey Gaya :History of Anthropological Thought. (In Hindi)

B.A/B.Sc. – V SEMESTER
Compulsory Course: ANTH-501
Serology, Dermatoglyphics & Osteology
(Practical: Credits - 2)

NOTE: Students should be acquainted to undertake the following Tests or Observations and Record the Results in the Laboratory note book:

1. **ABO and Rh Blood groupings:** Students should be trained in determining ABO and Rh Blood Groups of at least Five Subjects following Standard Method.
2. **Dermatoglyphics:** Candidates should be trained in taking the Prints of Palm and Fingertips of at least Five Subjects.

3. **Osteology:** Identification of Bones- Skull Bones (Frontal, Parietal, Occipital, Temporal, Maxilla, Zygoma, and Mandible). Long Bones with Sex Determination (Humerus, Radius, Ulna, Femur, Tibia, Fibula), Scapula, Clavicle.

Suggested Books:

1. Das, B. M & Rajan Deka. : Physical Anthropology Practical.
2. Shukla B.R.K. and Rastogi: Laboratory Manual of Physical Anthropology.
3. Agnihotri B.: Practical Physical Anthropology.

Skill Enhancement Course: ANTH- 502
Human Genetics
(Theory: Credits - 4)

1. Principles of Human Genetics: Concepts, Scope and Field of Human Genetics.
2. Genetics in Man: Mendelian Inheritance: Mendel's law and its Application to Man; Modes of Inheritance of Qualitative Mendelian Traits in Man-Autosomal Dominant, Autosomal Recessive and Sex-linked Inheritance. Lethal Gene.
3. Normal Human Karyotype in Mitosis and Meiosis, Chromosomal Aberration Autosomal and Gonosomal Anomalies.
4. Heredity: Method of Studying-Twin Method, Biology of Twinning Diagnosis of Zygosity, Pedigree Method, Heredity and Environment.
5. Mutation, Spontaneous and Induced, Chromosomal and Somatic.
6. ABO and Rh Blood group, Dermatoglyphics.
7. Application of Human Genetics, Genetics Screening, Genetic Counseling and Genetic Engineering.

Suggested Books:

1. Das B. M.: Outline of Physical Anthropology
2. Shukla B.R.K. and Rastogi : Physical Anthropology & Human Genetics .(In Hindi & English)
3. Vadhyar N.K. & Pandey : Biological Anthropology.
4. Choubey Ramesh: Physical Anthropology. (In Hindi)
5. Shukla B.R.K. and Rastogi : Human Genetics and Ethnic Variation (In Hindi & English)
6. Winchester: Human Genetics.
7. Singh U.P.: Human Genetics. (In Hindi)

Discipline Specific Elective: ANTH – 503 (A)
Paleoanthropology
(Theory: Credits - 4)

1. Paleoanthropology : Definition and Scope
2. Dating Method and Geological Time Scale.
3. Fossils and Fossilization.
4. Fossil Primates and Apes: Prosimian Primate, Propliopithecus, Dryopithecus, Ramapithecus/ Sivapithecus, Kenyapithecus, Australopithecus Africanus and Paranthropus Robustus, Homo Habilis and its Characteristics and Distribution.

5. Homo Erectus and Homo Erectus Pekinensis: Distribution, Characteristics and Comparison, Solo Man, Heidelberg Jaw.
6. Homo sapiens neanderthalensis: Characteristics and Distribution, Classical and Progressive, Cro-magnon, Rhodesian Man.

Suggested Books:

1. Das B.M. : Outline of Physical Anthropology
2. Shukla B.R.K and Rastogi : Physical Anthropology and Genetics
3. Ghosh and Ghosh : Introduction to Physical Anthropology
4. Nath Surindar : Finger Print Identification.
5. Shukla B.R.K and Rastogi : Human Evolution. (In Hindi & English)
6. Singh U.P. :Human Genetics. (In Hindi)
7. Vadhya N.K. & Pandey : Biological Anthropology.
8. Choubey Ramesh : Physical Anthropology .(In Hindi)
9. Shukla B.R.K. and Rastogi : Human Genetics and Ethnic Variation. (In Hindi & English)

Discipline Specific Elective: ANTH- 503 (B)
Ethnology of India
(Theory: Credits - 4)

1. Ethnology: Definition, Ethnic Affinity of the Prehistoric Indian Population as Evident from the Skeletal Remains.
2. Ethnic Affinity of Indian Population-Pattern of Classification- Risley, Guha, Hutton, Haddon Classification, its Merits and Limitation.
3. Race and Races of World: Scientific Meaning of Race, Characteristics of Race, Origin of Race, Racism, Criteria of Racial Classification – Morphological and Genetical.
4. Linguistic Distribution vis-a-vis the Ethnic Group of Indian Population.
5. Ethnic Composition of Himalayan Population.

Suggested Books:

1. Sarkar R.M: Fundamentals of Physical Anthropology.
2. Ghosh and Ghosh: Introduction to Physical Anthropology.
3. Das B.M.: Outline of Physical Anthropology.
4. Mukherjee R.N.: Introduction of Social Anthropology. (in Hindi)
5. Sharma A.N.: Indian Anthropology.(In Hindi)

Generic Elective Course: ANTH- 504
Forensic Anthropology
(Theory: Credits - 4)

1. Introduction to Forensic Anthropology: Definition, Brief History, Scope, Applications and Integration of Forensic Anthropology.
2. Basic Human Skeletal Biology, Identification of Human and Non-Human Skeletal Remains, Ancestry, Age, Sex and Stature Estimation from Bones, Discovery and Techniques for Recovering Skeletonized Human Remains.

3. Personal Identification, Complete and Partial Identification, Methods of Identification in Living Persons: Somatometry, Somatoscopy, Occupational Marks, Scars, Bite Marks, Tattoo Marks, Fingerprints, Footprints, Lip Prints, Nails, Handwriting, Deformities and Others.
4. Serology: Identification and Individualization of Bloodstain, Urine, Semen and Saliva. Patterns of Bloodstains.
5. Individualization: Forensic Odontology-Tooth Structure and Growth, Bite Marks, Facial Reconstruction, DNA Profiling.

Suggested Books:

1. Sarkar R.M.: Fundamentals of Physical Anthropology.
2. Ghosh and Ghosh: Introduction to Physical Anthropology.
3. Das B.M.: Outline of Physical Anthropology.
4. Nath Surendra: Forensic Anthropology.
5. Jha & Jha: Anthropology Part II.(In Hindi & English)
6. Nath Surendra. : Identification of Finger Prints.

B.A/B.Sc. - VI SEMESTER
Compulsory Course: ANTH- 601
Field / Project Report: Based on Field Survey
(Practical: Credits - 2)

1. The Student shall be required to make Empirical Investigation on a SC/ST, Other Backward Class and Backward Areas or Villages. The Field Work should be of minimum 15 days outside from Campus/ College under the Supervision of a Teacher and Staff.
2. Project Report based on Bio-Social Anthropological Study.
3. The Report should be Prepared by Research Techniques and Methods.
4. They shall submit a typed Project Report.

Skill Enhancement Course: ANTH – 602
Applied Anthropology
(Theory: Credits - 4)

1. Applied Anthropology: Definition and Scope, Historical Background.
2. Anthropological Museums and Museology in India.
3. Anthropology and Tourism, Sacred Geography.
4. Anthropology and SC/ST Policy, Constitutional Safeguards and Implementation.
5. Applications of Physical Anthropology: Genetic Screening, Genetic Counseling, Genetic Engineering, Sports Anthropology.
6. Role of Anthropology: Water Management, Disaster Management, Rural Development and Planning, Environment, Health & Hygiene.

Suggested Books:

1. Hasnain Nadeem: Indian Anthropology. (In Hindi)
2. Sharma A.N.: Indian Anthropology. (In Hindi)
3. Hasnain Nadeem: Unifying Anthropology.
4. Jha P. R., Barnwal D. and Jha R. K.: Anthropology Part – I& II.
5. Shukla B.R.K and Rastogi : Physical Anthropology and Genetics

Discipline Specific Elective: ANTH- 603 (A)
Research Methods
(Theory: Credits - 4)

1. Research Method: Basic Concepts.
2. Hypothesis: Meaning, Characteristics, Source, Importance & Limitation.
3. Research Design: Exploratory, Descriptive and Experimental.
4. Sources of Data Collection and Technique: Observation, Interview, Schedule, Questionnaire, Sampling.
5. Elementary Statistics: Tabulation, Bar & Graph, Mean, Mode, Median and Standard Deviation.
6. Basic Components of Computers: Application of Hardware & Software - Introduction to MS-Office (MS-Word, MS-Excel, MS-Power Point).
7. Report Writing.

Suggested Books:

1. Routledge & Paul Kagan: Notes and Queries in Anthropology.
2. H.Russel Bernard.: Research Methods in Cultural Anthropology.
3. Bruce L. Berg: Qualitative Research Methods for the Social Sciences.
4. Srivastava. V. K. (Ed.). : Methodology and Fieldwork.
5. Sarantabos S.: Social Research.
6. Goode & Hatt: Research Methods in Social Sciences.
7. Mukharjee R.N. : Social Research and Statistics.(In Hindi)
8. Agarwal G.K & Pandey S.S.: Social Research and Statistics. (In Hindi)

Discipline Specific Elective: ANTH- 603 (B)
Indian Anthropology
(Theory: Credits - 4)

1. Growth and Development of Indian Anthropology.
2. Crises and Issues in Indian Anthropology.
3. Based on Indian Social System: Background, Purusharth, Ashram, Rina, and Karma.
4. Social Cultural Change in India: Sanskritization & Westernization, Little & Great Tradition Universalization & Parochialization, Sacred Complex, Dominant Caste.
5. Nature-Man-Spirit Complex, Tribe Caste Continuum.

Suggested Books:

1. Hasnain Nadeem: Indian Anthropology. (In Hindi)
2. Sharma A.N.: Indian Anthropology. (In Hindi)
3. Hasnain Nadeem: Unifying Anthropology.
4. Mukharjee R.N. : Introduction of Social Anthropology.(In Hindi)

Generic Elective Course: ANTH-604
Social Demography
(Theory: Credits - 4)

- 1- Nature and Importance of Demography, Relationship between Demography and anthropology.
- 2- Source of Demographic Data- Census, Registration and Survey Data in India, Population Size and Composition: Sex Ratio and Population pyramids.
- 3- Components of Demographic Process- Fertility, mortality, migration. Tribal Demography in India- its Structure and Growth.
- 4- Theory of Population – Malthusian, Optimum, Social-Cultural and Demographic Transition.

Suggested Books:

1. Bogue, D: Principal of Demography.
2. Speigilman : Introduction to Demography.
3. Jain , S.P.: A Status Study of Population Research Demography.
4. Boshers,J.M. : Population Pressure in Social System.
5. Hans Raj : Population Studies with Special Reference to India.