

# **Department of Anthropology**

**Syllabus**

**for**

**B.A/B.Sc 4 year (Semester VII & VIII) Anthropology**

**As per National Education Policy 2020**

**Common Minimum Syllabus for all Uttarakhand State University And  
colleges for Forth year**

**Prepared by**

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**Department of Anthropology**

**Govt. P.G. College New Tehri**

**Sri Dev Suman Uttarakhand Vishwavidyalaya Badshahithaul Tehri Garhwal,  
UTTARAKHAND**

## Anthropology

### NEP Under Graduation Programme (B.A/ B.Sc) 4<sup>th</sup> year

Year	Sem.	Course/ Paper	Credit	Anthropology Minor	Research Project	Credit	Total Credits
4 <sup>th</sup>	I	ANTH701(T) Physical Anthropology	4	ANTH-707(M) Applied Anthropology Credit-4	ANTH-706 (Rp) Research Project	4	52
		ANTH702(T) Social and cultural Anthropology	4				
		ANTH703(T) Pre-Historic Anthropology	4				
		ANTH704(T) Research Methods in Anthropology	4				
		ANTH705(P) Practical Anthropometry and Osteology	4				
	II	ANTH801(T) Economic and Political Anthropology	4		ANT-806 (Rp) Research Project	4	
		ANTH802(T) Human Genetics and Ethnic variation	4				
		ANTH803(T) Pre-Historic cultures	4				
		ANTH804(T) Research data analysis in Anthropology	4				
		ANTH805(P) Practical prehistoric and material culture	4				

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-701(T)</b>	<b>Course Title:</b> <b>Paper I</b> <b>Physical Anthropology</b>	
Course Outcomes: * The students will learn about the Meaning and scope of physical Anthropology, Living Primates; Primate classification, Theories and Principles of-Evolution and Principal of human Genetics.		
Credits: 04		Max. Marks: 25+75
Unit	Course Content	No. of lectures/ hrs (30)
1	Meaning and scope of physical Anthropology. Human Place in Animal Kingdom.	10
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.	10
3	Theories and Principles of-Evolution: Lamarckism; Neo- Lamarckism ; Darwinism Neo Darwinism; Parallelism; Convergence; Orthogenesis; Synthetic theory of Evolution .	10
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	10

**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

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-702(T)</b>	<b>Course Title:</b> <b>Paper II</b> <b>Social and cultural Anthropology</b>	
<p>Course Outcomes:</p> <p>* The students will learn about the Social Anthropology, Cultural Relativism: holism, Concept and Definition social Institutions. Importance of marriage as an institution in Human society and Universal Definition of Religion; theories of Religion Universality of family : Family- form and function.</p>		
Credits: 04		Max. Marks: 25+75
<b>Unit</b>	<b>Course Content</b>	<b>No. of lectures/ hrs (30)</b>
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;	10

	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.	10
3	Family: Universality of family : Family- form and function ; Rules of residence , hindu joint family and change, development cycle of domestic groups .	10
4	Religion: Universal Definition of Religion; theories of Religion – Psychological sociological and anthropological , Magic , Religion and science totemism	10

**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

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-703(T)</b>	<b>Course Title:</b> <b>Paper III</b> <b>Pre-Historic Anthropology</b>	
<p>Course Outcomes:            * The students will learn about the Introduction to Pre-Historic Anthropology, Geological and Archeological Time Sale, Dating Method and Tool Typology and Technology.</p>		
Credits: 04	Max. Marks: 25+75	
Unit	Course Content	No. of lectures/ hrs (30)
1	<b>Introduction to Pre-Historic Anthropology</b> Pre-Historic Anthropology ,Relation of Anthropology with Science, Social Sciences and Anthropology Major branches, Pre-history and Ethno-Archeology.	10
2	<b>Geological and Archeological Time Sale:</b> Time Sale 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.	10
3	<b>3. Dating Method:</b> Relating 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	10
4	<b>Tool Typology and Technology:</b> 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.	10

**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

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-704(T)</b>	<b>Course Title:</b> <b>Paper IV</b> <b>Research Methods in Anthropology</b>	
<p>Course Outcomes:</p> <p>* The students will learn about the Field work tradition in all branches of Anthropology, Research design: Aims, Objectives and types and Method and techniques of data collection.</p>		
Credits: 04	Max. Marks: 25+75	
Unit	Course Content	No. of lectures/ hrs (30)

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.	10
2	Research design: Aims, Objectives and types, Sources of Data: primary and secondary sources	10
3	Method and techniques of data collection- primary data collection: questionnaire	10
4	Interview, Schedule ,case study, method, audio visual recording, method of observation and Genealogy. Secondary data collection: Census, National Sample Survey.	10

**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



**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-705(P)</b>	<b>Course Title:</b> <b>Paper V</b> <b>Practical</b>	
<b>Course Outcomes:</b> * The students will be able to describe scope of craniometry, Samotometry and osteology in Anthropological field and society.		
<b>Credits: 04</b>		<b>Max. Marks: 25+75</b>
<b>Unit</b>	<b>Course Content</b>	<b>No. of lectures/ hrs (30)</b>
<b>A. Craniometry</b>  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

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**Books Recommended:**

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

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-706(Pr.)</b>	<b>Course Title:</b> <b>Paper VI</b> <b>Research Project</b>	
Course Outcomes: The Students will learn about how to do fieldwork and use of various techniques of data collection and analysis of data.		
Credits: 04	Max. Marks: 25+75	
<b>Unit</b>	<b>Course Content</b>	<b>No. of lectures/ hrs (30)</b>
	<ol style="list-style-type: none"><li>1. The students shall be required to make investigation on a SC/ST, other backward class and backward areas/ villages etc. The Field work should be minimum 10 days out side of the campus. Under the supervision of Teacher.</li><li>2. The report should be prepared by research techniques and methods . They shell submit a typed Project report.</li><li>3. Project report based on social-economic and physical Anthropological study.</li></ol>	

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-707(M)</b>	<b>Course Title:</b> <b>Paper VII</b> <b>Applied Anthropology</b>	

<p><b>Course Outcomes:</b>  The students will learn about applied anthropology and the various fields in which anthropological knowledge can be applied.  * They will learn about application of anthropological knowledge in the field of development and Anthropological museum.  * They will also learn about application of anthropological knowledge for the welfare and development of vulnerable groups of people.</p>		
Credits: 04		Max. Marks: 25+75
Unit	Course Content	No. of lectures/ hrs (30)
1	Applied Anthropology: History, Aims & Scope, Applied and Action Anthropology.	10
2	Anthropology and Tourism - Sacred Geography.	10
3	Anthropology as a Museum Subject: Museums in India and World; Methodology of Collection of Anthropological Objects through Field Work; Documentation Including Visual Documentation and Use of Computers. Conservation and Preservation, Methods of Display and Exhibition, Role of Anthropological Museums in Community life and National Integration.	10
4	Anthropology and SC/ST Policy: Constitutional Safeguards and Implementation.	10

**Books Recommended:**

1. Barnett H.: Anthropology in Administration.
2. Cochrane Y.: Development Anthropology.
3. Foster G.M.: Traditional Cultures and Impact of Technological Change.

4. Mair L.: Studies in Applied Anthropology.
5. Tax Sol: Action Anthropology.
6. Vidyarthi.L.P (ed.): Applied Anthropology in India.

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>	<b>Semester: VIII</b>	
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-801(T)</b>	<b>Course Title:</b> <b>Paper I</b> <b>Economic and Political Anthropology</b>	
<p>Course Outcomes:</p> <p>* The students will learn about the Law and Social control, Economic organization: Features of primitive Economic, mechanism of Social control in primitive societies and mechanism of Social control in primitive societies and Government: state and stateless societies: panchayat-origin. history and change through time: factions.</p>		
Credits: 04	Max. Marks: 25+75	
<b>Unit</b>	<b>Course Content</b>	<b>No. of lectures/ hrs (30)</b>
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 .	10
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.	10
3	Political organization mechanism of Social control in primitive societies: nature of primitive law: Government: state and stateless societies:	10

	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.	10

**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

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VIII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-802(T)</b>	<b>Course Title:</b>  <b>Paper II</b>  <b>Human Genetics and Ethnic variation</b>	
<p>Course Outcomes:</p> <p>* The students will learn about the Genetics Definition and its relevance in Physical Anthropology, Cell: Structure and Division, Ethnic Variation and Evolutionary Process in Modern Populations.</p>		
<b>Credits: 04</b>	<b>Max. Marks: 25+75</b>	
<b>Unit</b>	<b>Course Content</b>	<b>No. of lectures/ hrs (30)</b>
1	Genetics Definition and its relevance in Physical Anthropology, the Mendelian Principal.	10
2	Cell: Structure and Division.	10
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.	10
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.	10



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**Books Recommended:**

1. Birdsell, 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, Louis: Homo Hierarchieus.
8. B.R.K Shukla and Sudha Rastogi- physical Anthropology and Human genetics
9. Stern curt- Principles of Human genetics

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>	
<b>Year: 4</b>	<b>Semester: VIII</b>
<b>Subject: Anthropology</b>	
<b>Course Code: ANTH-803(T)</b>	<b>Course Title:</b> <b>Paper III</b> <b>Pre-Historic cultures</b>
<p>Course Outcomes:</p> <p>* The students will learn about the Paleolithic Cultures, Middle Paleolithic Culture, Mesolithic and Neolithic Cultures and Indus Valley civilization.</p>	
<b>Credits: 04</b>	<b>Max. Marks: 25+75</b>

Unit	Course Content	No. of lectures/ hrs (30)
1	<b>Paleolithic Cultures:</b> Lower Paleolithic Culture: Africa-Old wan Europe: Acheulian, Adivillian, Levalosion, Clactonian, India: Sohn, Madrasian.	10
2	<b>Middle Paleolithic Culture:</b> 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.	10
3	<b>Mesolithic and Neolithic Cultures:</b> 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.	10
4	<b>Indus Valley civilization – Chalcolithic cultures and Megalithic Cultures :</b> Distribution, Period, Characteristics, causes of decline, people and culture of Indus valley Civilization. Chalcolithic culture and the characters.	10

**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.

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VIII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-804(T)</b>	<b>Course Title:</b> <b>Paper IV</b> <b>Research data analysis in Anthropology</b>	
Course Outcomes: * The students will learn about the Data Definition and Characteristics, Classification : Geographical , Chronological Analysis and Interruption of Data and Utility and importance of Statistics in Anthropology		
Credits: 04		Max. Marks: 25+75
Unit	Course Content	No. of lectures/ hrs (30)
1	Data Definition and Characteristics, Data Collection : Choice of suitable technique .	10
2	Classification : Geographical , Chronological , Qualitative and Quantitative . Tabulation: General , special purpose and Machine Tabulation .	10
3	Analysis and Interruption of Data. Graphic and Diagrammatic presentation of Data. Preparation and writing of report.	10
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	10

**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

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VIII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-805(P)</b>	<b>Course Title:</b> <b>Paper Paper V</b> <b>Practical : prehistoric and material culture</b>	
Course Outcomes: * The students will learn about the Scope of tools study, use of Material Culture and comparative study and also to under the tool typology and technology.		
Credits: 04		Max. Marks: 25+75
Unit	Course Content	No. of lectures/ hrs (30)
Typo- Technological Analysis of Prehistoric Tools : Identification, Intrepretation and Drawing of the tool Types, Core types, Flake Tool Types, Blade Tool Types, Microlithic Tool Type, Neolithic Tool Type.		

**B.A/ B.Sc 4 year**

<b>Programme : Under Graduate in B.A/B.sc</b>		
<b>Year: 4</b>		<b>Semester: VIII</b>
<b>Subject: Anthropology</b>		
<b>Course Code: ANTH-806(Pr.)</b>	<b>Course Title:</b> <b>Paper VI</b> <b>Research Project</b>	
Course Outcomes: The Students will learn about how to do fieldwork and use of various techniques of data collection and analysis of data.		
Credits: 04	Max. Marks: 25+75	
Unit	Course Content	No. of lectures/ hrs (30)
	<ol style="list-style-type: none"><li>1. The students shall be required to make investigation on a SC/ST, other backward class and backward areas/ villages etc. The Field work should be minimum 10 days out side of the campus. Under the supervision of Teacher.</li><li>2. The report should be prepared by research techniques and methods . They shell submit a typed Project report.</li><li>3. Project report based on social-economic and physical Anthropological study.</li></ol>	