

DEPARTMENT OF ANTHROPOLOGY

Course Outcomes (CO) of B.Sc. Anthropology

- (i) The students will have a fundamental and systematic understanding of biological anthropology, its scope and relation with allied disciplines, and approaches in understanding human evolution; will be familiar with the basic principles of human evolution; understand the human anatomy and differences from the non-human primates, and be familiar with the variations in primates and their behavior; understand the basic of human genetics and the laws governing inheritance of characters.
- (ii) The students will understand the subject matter of Social-cultural Anthropology its scope, relevance and relationship with other disciplines. Develop an anthropological understanding of the concept of society, culture, status and role and social groups; Learn about the social institutions of family, marriage and kinship; become familiar with the factors for social and cultural changes; Anthropological approaches to the study of religion and magic.
- (iii) The students will have a fundamental understanding of the concept and scope of archaeological anthropology, methods and relation with other disciplines, learn the dating techniques and its application for different evidences found in archaeological sites, the basic outline of the Prehistory in a global context and also the changing Palaeo environment and climatic during Pleistocene
- (iv) Learn the origin and evolution of humans from fossil evidences and the distribution of fossil man in Asia, Europe and Africa; understand the origin of the Homo sapiens and modern humans- why human are unique species.
- (v) Learn the concept of tribe, and tribes in India and their classification; history of tribal administration and the various governmental schemes and programs; concept, type and significance of village studies in India; various ethnic and peasant issues.
- (vi) The course introduces an anthropological understanding of various concepts of ecological anthropology and equips them with an understanding on the importance of bio-cultural perspective to understand human society. The students will possess the technical knowledge on various aspects of environmental problems and their impact on human society.
- (vii) The students will acquire the knowledge of race and racism on human genetics; the biological basis of inheritance, racial criteria and classification; the biological variations of mankind along with the factors responsible for these variations. Understand bio-cultural factors in disease and nutritional status; the course introduces Demographic perspective of human population.
- (viii) Students will be introduced to various theoretical approaches of Anthropology; to study the evolution and spread of culture and methods of studying cultures. To appraise views of social thinkers in the study of culture and society.

- (ix) Students will understand the fundamental concepts of human growth and stages of human growth; the bio-cultural factors influencing growth; methods and techniques in growth studies; study the concept of balance diet & nutritional requirement in human;
- (x) Students will learn process of research design, fieldwork tradition and methods in Anthropology, techniques of qualitative and quantitative data collection, learn the basic Statistics used in Anthropological Research; Statistical analysis of data and method of presentation of the data.
- (xi) Students will learn about the principles of human population genetics, Mendelian and non-Mendelian Principles of heredity, mechanism of human variation; ecological genetics and polymorphism; Hardy-Weinberg principle and its application in human population; mechanisms of human variations; understand population structure and mating process and the benefits of genetic counseling.
- (xii) Students will learn the concept, history and development of Applied anthropology, action anthropology and development anthropology; role of Anthropology in Needs Assessment and Community Development; trends in Anthropology; concept of human rights in the national as well as international level; application of anthropology in the bio-social aspects and population dynamics.
- (xiii) Students will be introduced to Forensic Anthropology, its scope and application; method of identification of human and non-human skeletal remains; methods of identification of living persons; use of serology for identification; to understand individualization based on forensic odontology, facial reconstruction and DNA profiling.
- (xiv) Students will learn the emergence and growth of Indian Anthropology, the various approaches in studying the Indian society; have an in-depth understanding of the diversity of Indian social structure; concepts developed by studying the Indian society; impact of culture contact on the Indian society; problems of exploitation and deprivation of ST, SC and OBC.
- (xv) Students will learn the importance of physical fitness in general health; various training techniques in conditioning health; understand the effect of environmental stressors in sports performance; sport specific body composition and sports selection and the monitoring process; learn the effect of doping in sports and performance; cultural influence with respect to food preferences and its effect on physiology.
- (xvi) Student will learn the basic concept of Forensic dermatoglyphics, its history, development and application; understand the formation of finger print ridges, types and patterns; comparison of prints and patterns for identification; recent advancement in finger print identification system.
- (xvii) Student will be introduced to the field of Medical Anthropology, the basic concepts of medical Anthropology and understanding of crosscultural perspective and variations to health and illness; Epidemiology and its scope and methods of study; some common Communicable diseases; Crosscultural healing practices; concepts of

- medical ethics, medico-legal problems and International Health policies and critical issues in global health.
- (xviii) Students will be introduced to Indian Archaeology and learn how archaeology as a discipline evolved in India from the pre-colonial era till recent times, it also deals with understanding the past climatic conditions using ecofacts and chemical analysis. It outlines the prehistory of India from the earliest lower Palaeolithic to the Iron Age.
 - (xix) Students will be introduced to Palaeo-Anthropology where they will learn the fundamental concepts of palaeoanthropology by providing conceptual geological and anthropological knowledge necessary for understanding palaeoanthropology. It deals with taxonomic and chronological problems of fossils, major keys of human evolution, palaeopathology and dispersal of modern human to the different continents.
 - (xx) The students will be skilled with the concept of tourism anthropology, its importance and preservation of cultural heritage, commodification of culture; New directions of anthropology in tourism.
 - (xxi) The students will be skilled with the concept of Disaster and Anthropological approaches to disaster; the methods, impact of disaster and disaster management.
 - (xxii) Students will be introduced to various anthropometric instruments and landmarks; have knowledge with anatomical structure of the human body, and methods of measuring the various parts of the living body and the skeletal bones ; learn to observe different phenotypic traits of human population; estimation of body composition, BMI, Blood groups, Color blindness, Blood pressure and Sugar levels; methods of forensic investigations like analysis of digital prints, estimation of age, sex and stature.
 - (xxiii) Students will learn the genealogical method of tracing kinship relations as well as the technological implements used for various economic activities in different societies.
 - (xxiv) Students will learn how to review books/articles; analyze existing theories of anthropology and contributions of Indian Anthropologists; how to prepare questionnaires and schedules for field investigations as well as the method of graphically presenting them; carry out case studies on various healing practitioners in Nagaland. Students will learn how to write and present seminar papers.
 - (xxv) Students will be given the experience to carry out dissertation or project work related to the discipline under the supervision of a guide.

Program Specific Outcome of UG

- (i) The students will have a fundamental and systematic or coherent understanding of the academic field of Anthropology, its different branches and applications, and its linkages with related disciplinary areas/subjects;

(ii) Students will be equipped on the knowledge of various social institutions in human societies; social and cultural diversities in Indian society. Students will be equipped with the various theoretical approaches of Anthropology and demonstrate the ability to use the knowledge of Anthropology in applying the appropriate methods and formulating approaches and tackling Anthropology related problems.

(iii) Students will be equipped with the knowledge of healing and health care systems from cross cultural perspectives a knowledge on disaster and disaster management.

(iv) Students will develop a strong foundation on the basic understanding of the nature and development of archaeology as a discipline in India. Students will be able to situate South Asian materials within wider archaeological debates. Understand the concept of tool making techniques and tool typology and also knowledge about lithic cultures in India.

(v) Students will be equipped with the knowledge of geological time line and the findings and discoveries associated with fossil primates around the world. This will help to understand the origin and evolution of modern humans, paleopathology in human remains and how humans have colonized the continents.

(vi) Students will be equipped with knowledge of human origin and evolution, biological diversities in human population, human growth and development.

(vii) Students will be equipped with knowledge of human genetics, population genetics, genetic counseling and eugenics. Forensic science and its application in biological anthropology.

(viii) The students will have knowledge that creates different types of professionals related to the disciplinary/subject area of Anthropology, including professionals engaged in research and in the field of development; know the use of qualitative as well as quantitative data and approaches/methods in comprehending the human society.

Program Outcome.

- (i) A skillful group of students with different specializations of Anthropology and emerging developments in the field of Anthropology will be available in the market.
- (ii) Personal skills ability of the students will be increased to work both independently and in a group.
- (iii) They will be skilled in data collection methods, analyses of data and writing reports based on field data.

DEPARTMENT OF ANTHROPOLOGY

1. Name of the program: A. Under-Graduate (UG)in Anthropology Honors
 B. Master (PG)in Anthropology
2. Specializations available at Masters Level: A. Social-Cultural Anthropology and
 B. Biological Anthropology
3. Mode of Study: Full time (Semester system): Class room teaching; Tutorials; Laboratory training; Assignments; Dissertation in final semester.

1. PROGRAM OUTCOMES(PO) OF M.Sc.ANTHROPOLOGY

PO1: Anthropology MSc students will demonstrate an understanding of relevant literature in their area of thesis specialization.

PO2: Anthropology MSc students will demonstrate their ability to design and implement their thesis topic.

PO3: Anthropology MSc students will demonstrate their ability to communicate their thesis research.

2. PROGRAM SPECIFIC OUTCOMES(PSO) OF M.Sc. ANTHROPOLOGY

PSO 1. Human evolution which throws light on the human origin and its reasons for variability.

PSO 2. The developmental stages and nutritional aspects necessary for human growth and development.

PSO 3. Human population genetics helps in understanding the various causes of variability. Understand human adaptability in different geographical areas. Inheritance of genetic disorders, molecular mechanisms underlying genetic diseases.

PSO 4. Anthropological perspectives of archaeological materials in order to understand the emergence and evolution of human cultures; Study prehistory in Archaeological Anthropology; Ability to carry out field work and documentation of prehistoric sites.

PSO 5 Various methods of inquiry and interpretation in anthropological research; Utilize ethnographic research methods appropriate to the specific field site and community of study; The skill of writing dissertation/reports.

PSO 6 Determine role of society and culture, anthropological approaches toward the development of communities.

PSO 7 Awareness about different concepts of development, development processes, development programmes and problems of development taking cognizance of the anthropological perspectives.

PSO 8 Insights into Visual Anthropology and Audio-Visual Anthropology for the study of society and culture.

PSO 9 Social and cultural aspects in analysis of health, illness and medicine. Demonstrate the knowledge about biomedical and socio-cultural perspective of health and disease.

PSO 10 Broader setting to understand cross-cultural view of the concept of gender, role of cultural and religious frameworks in shaping this concept.

3. COURSE OUTCOMES(CO) OF M.Sc. ANTHROPOLOGY

SEMESTER 1

MANC 1.11 Fundamentals issues of Physical Anthropology

CO 1 Understand the history and development Physical Anthropology.

CO 2 Understanding the concepts of evolution, Human evolution with respect to hominid fossils, man's place in animal kingdom.

CO 3 To understand the concept of race and racism, formation and classification of race.

CO 4: To acquaint students on human skeletal system, comparative anatomy and non-human primate behaviour.

Practical:MANC 1.12 Physical anthropology 1

CO1 To acquaint with methods & measurements of the craniometry (angular & linear) and osteometry.

MANC 1.21 Society and culture: foundation course

CO 1 To give a basic understanding about socio-cultural anthropology, its history origin, elements and subject matter.

CO 2 To provide an informative background about the aims and application of Socio-cultural Anthropology.

CO3 To know the personal, social and cultural identity and interactions within societies and cultures.

CO4 To understand the Basis of stratification and social progress and analyses the changing dimensions of caste system in India.

MANC 1.31 Fundamentals of Archaeological Anthropology

CO 1 To know about the genesis of Archaeology.

CO 2 To acquaint the students on locating archaeological sites, excavations, analysis, relevance of Palaeoenvironment.

CO 3 To know about the prehistory of various continents.

Practical: MANC 1.32 Fundamentals of Archaeological anthropology

CO 4 To acquaint the students with the lithic and bone tools so as to understand the cultural processes and typo-technologies.

CO 5 To acquaint the students how to identify lithic raw materials based on their visual physical characteristics.

MANC 1.41: Anthropology of North East India

CO1 To understand the diversities, commonalities and distinctiveness of NE India.

CO2: To know about the rich cultural traditions, its issues and problems.

CO3: To know about the physical anthropology works done on NE region with special reference to Nagaland.

CO4: To acquaint the students with theoretical background on Ethnicity, also to understand ethnic relations in a multi ethnic region

CO5: To acquaint the students with the latest trends applied for interpreting archaeological evidences recovered from Nagaland.

SEMESTER 2

MANC 2.11: Formal genetics:

CO1 To understand the concept & history of human genetics, genes and genetic code.

CO2 To understand the chemical aspects of genetics, human cytogenetics.

CO3To understand about human chromosomal polymorphism, nomenclature, Chromosomal aberrations (structural and numerical), abnormal traits and diseases in human population.

CO4To know about diseases associated with blood groups in human population.

Practical: MANC 2.12 Physical Anthropology 2

CO1The paper will acquaint students about the different techniques to measure blood pressure, pulse rate, estimate haemoglobin percentage in blood, to test colour blindness.

CO2 To take & analyse finger and palm prints.

MANC 2.21: Museology and cultural resources management

CO1Students become skilled on the museum objects, their preservation and conservation.

CO2Know the definition, scope, history, types, theories of Anthropological Museum.

CO3Know the systematic documentation of data from field case to show case.

CO 4 knows the preventive and curative measures of museum exhibits.

CO5. Acquaint students on the knowledge of Cultural resource management (CRM) and heritage management, guidelines, laws and policy on CRM.

Practical MANC2.22 ethnographic museum studies

CO1 Thorough study on the cultural implication/historical background of selected museum exhibits and prepare an inventory with photographs/sketches and write a report on it.

MANC 2.31: Pre historic and early human cultures

CO1 To know the anthropological perspectives of archaeological materials in order to understand the emergence and evolution of human cultures.

CO2 To provide an insight into the different palaeolithic and post- palaeolithic cultures through which humanity has passed in different parts of the world.

CO3 To know the early farming cultures of Western Asia and India.

CO4 To know about the Iron age and megalithic cultures in India.

MANC 2.41: Research Method

CO1 To develop scientific approach to social research as well as exposing the students to field situation.

CO2 To introduce the students the basic concept, meaning, Definition and Various Methods of anthropological research.

CO3 To acquaint the students with Research Design, Sampling and Tools and Techniques used in Anthropological Research.

CO4 Have the knowledge of application of basic statistical tools and its use in anthropological research.

CO5 To know the ethical issues and politics in research (academic fraud, plagiarism, authorship, publications).

CO6 To develop the skill of writing reports (chapterization, concept of preface, notes, index, appendix, bibliography, literature review and referencing).

Practical MANC 2.42 Bio statistical practical

CO1 Learn application of SPSS for data entry and analysis based on hypothetical data.

CO2 Students will also learn and use various measurements like central tendency, test of significance, correlation etc.

SPECIALIZATION

SEMESTER 3

Specialization in Physical Anthropology

MANC 3.11: Human genetics and variations

CO1 To understand the structure and function of human genome.

CO2 To describe the mechanisms that underpin the inheritance of traits in human populations.

CO3 To understand the role of genetic factors in health and disease.

CO 1 To know bio-cultural adaptation in human populations.

CO2 To know about methods of Genetic analysis in localisation of Genes on Chromosome.

MANC 3.21: Human growth, development and nutrition

CO 1 Differentiate the term- growth, maturation and development.

CO 2 Understand the basic principles of human growth and development.

CO 3 Comprehend the significance of growth studies.

Practical MANC 3.22 Physical Anthropology 3

CO1 Systematic measurements on Anthropometric & Physiological variables of any individual.

CO2 Students will be able to learn skinfold measurements& indices.

CO3 Students will be able to assess the nutritional status of any individual.

MAND 3.11(Discipline Specific Elective-1)

(A)Medical Genetics:

CO1 Develop and demonstrate an understanding of the structure and function of genes and the organization of the human genome.

CO2 Patterns of inheritance and clinical manifestations of genetic diseases; chromosomal abnormalities, population genetics; inborn errors of metabolism; and inherited cancer syndromes.

CO3 Genetics in medical practice including recognizing congenital anomalies and syndromes, risk assessment and genetic counselling, genetic testing and screening.

CO4 To elicit a comprehensive family medical history and construct a pedigree and recognize medical history and features that suggest genetic disease.

(B)Physiological Anthropology:

CO 1 To know about the inter-relatedness of Physiology and Physiological Anthropology by knowing about their scopes

CO 2 To know about homeostasis, an important defining feature of Physiology

(C) Palaeoanthropology

CO 1 To understand the concept of Origin of life on earth.

CO 2 To acquaint the students with some of the significant issues like evolution of man and evidences of evolution.

CO 3 To understand how modern human have colonized the different continents

CO 4 Addresses human variation and the causes of variations.

MAND 3.21: (Discipline Specific Elective-2)

(A)Kinanthropometry and Ergonomics

CO 1 Meaning of biomechanics in terms of human physical activity and sport.

CO 2 To study goals of studying biomechanics in sport and physical activity.

CO 3 To Understand how the results of a qualitative analysis improve technical training.

CO 4 To discuss the steps involved in a qualitative anatomical analysis.

CO 5 Understanding the advantages of following a set of physical training.

(B)Forensic Anthropology and Criminology

CO 1 Forensic anthropology as a specialized applied branch of physical/biological anthropology which deals with the medico-legal investigation.

CO 2 How it has been developed a sub-discipline of biological anthropology through historical dimension.

CO 3 To understand scope of forensic anthropologist as well as work of forensic anthropologists how they are helpful for the court of law or law enforcement agencies.

(C)Environmental Archaeology (Bio archaeology)

CO 1 To know about bioarchaeological approaches.

CO 2 To know about the process of fossilization and how Palaeo-environment can be interpreted.

CO 3 To know about the process of plant domestication both in the old and new world

CO 4 It also deals with palaeopathology and how such palaeopathological markers can be identified in human remains.

SEMESTER 4

MANC 4.11: Human population genetics

CO 1 To know about the origin and growth of Theories in Evolution.

CO 2 To know about the evolutionary forces that shape the genetic variation.

CO 3 Able to understand the definition and scope of population genetics with their history and the mathematical models.

MANC 4.21: Anthropological Demography:

CO1 To study relevance of population studies in Anthropology (nature, history, population composition, National population policy).

CO 2 To study recent trends of population growth in India (Fertility & fecundity, mortality and morbidity).

CO 3: To understand the nature and theories of Migration, demographic transition and demographic theories.

MAND 4.11 (Discipline Specific Elective-3)

Field work

CO1 Understand the importance of field work in anthropology.

CO2 Know the methodology of collecting data for a particular topic.

CO3 Describe Various techniques used for data collection.

CO4 How to make rapport in the field.

CO5 Learn application of statistic for data entry and analysis.

CO6 Writing a report from the data collected.

MAND 4.21 (Discipline Specific Elective-4)

Dissertation

CO1 The skill of preparing study tools.

CO2 How to prepare data collection tools.

CO3 How to carry tabulations, data processing and data analysis.

CO4 The skill of writing dissertation/reports, scientific paper and evaluation of reports.

CO5 The skill to present research findings.

Specialization in Socio-cultural Anthropology

SEMESTER 3

MANC 3.11: Urban Anthropology

CO1 Apply an anthropological approach to the analysis of local, national, and global urban issues.

CO2 Analyse ways in which the built environment both shapes and is shaped by sociocultural, political, and economic processes.

CO3 Trace the development of theoretical interest in the city and critically evaluate theoretical approaches to understanding urban problems.

CO4 To study the socio-cultural experiences and practices of urban dwellers in relation to the larger socio-economic and cultural contexts.

CO5 To understand the theoretical and methodological approaches to the study of urbanity that have been put forth by different scholars for specific locales and historical junctures.

MANC 3.12: Urban Anthropology practical

CO1 To identify problems in urban areas and write a report on the problem selected.

MANC 3.21: Ethnography: Theory & Methods

CO1 Know the concept, nature, history and development of ethnography and ethnographic studies.

CO2 Know the different approaches to ethnography, tools of ethnography.

CO3 Know the writing cultures and ethics of ethnography.

MAND 3.11 (Discipline Specific Elective-1)

(A) Development Anthropology

CO1 Will learn about development anthropology, development debates, and the relationship between culture and development, theories of development. Also learn about various tribal development plans and projects implemented in India.

CO2 To provide knowledge about the development and the policies related to them.

CO3. To understand the meaning and evolution of the concept of development, and theories and models relating to this.

CO2 To understand the role of anthropology in development and studying the same in Indian context using case studies.

CO4 Acquainting students about the planning process that need to be sensitive to the culture of people.

(B) Study of Monograph

CO1 Will acquire the knowledge of studying and interpreting Monographs.

CO2 Will acquire the knowledge to review books.

CO3 Presentation of Monographs and to review books.

(C) Visual Anthropology

CO1 To know the role of photography in Ethnographic Research.

CO2 To know the different indigenous kinds of photography and its documentation through digital work and critically examines the ethical dimensions of ethnographic films.

CO3 Students will acquire skills in projecting anthropological dimensions and dynamics through audio-visual documentations.

CO4 Students will be exposed to visual representations often photographs, but also video footage, maps, artifacts, drawings and diagrams.

MAND 3.21(Discipline Specific Elective-2)

(A) Gender studies

CO1 To acquire a critical understanding of contemporary societies and develop knowledge about the importance of gender in policymaking and in the process of social change.

CO2 To develop a critical understanding of the gendered nature of economic and social systems.critically evaluate the policies developed for gender equality and understand pattern of gendered violence and its linkages to the culture.

CO3 To develop a new outlook on gender roles, sexualities and identities in contemporary societies, identify and discuss cultural values influencing gender.

CO4Ability to discuss the evolution of concept of gender in the frame of different social structures.

CO5 To demonstrate knowledge of alternatives for gender development and show gender sensitive approach towards implementation.

(B) Anthropological theories

CO1To know the major theoretical trends of Anthropology from colonial times to the present.

CO2A Clear understanding of the scientific and humanistic perspective in Anthropology.

CO3 Knowledge as theoretical approaches to study society and culture.

CO4Understanding the philosophies of various thinkers in anthropology.

(C) Medical Anthropology

CO1To understand the key theoretical and analytical concepts in medical anthropology.Acquire knowledge about the scientific aspects of health and disease.

CO2 Will have an understanding of the field of 'global health', including topics such as Cancer, HIV/AIDS, Leprosy, Diabetes interventions.

CO2 Know about the operational aspects of health care delivery from village to international level, with a critique from people's perspectives.

CO3 Will understand various health policies such as maternal & child health policy, National health policy, National rural health mission, National nutrition policy etc.

CO4 Understand the international health organizations and interaction with national health setup at the governmental and non-governmental levels.

SEMESTER 4

MANC 4.11Demographic studies

CO1To study demographic phenomena in current and past populations using anthropological methods and theories.

CO 2 To study recent trends of population growth in India (Fertility & fecundity, mortality and morbidity).

CO 3 To understand the nature and theories of Migration, demographic transition and demographic theories.

MANC 4.21 Anthropology of India

CO 1 To determine Indian Civilization: Foundations of social life.

CO 2 To understand ethnic elements in the Indian populations.

CO3 To understand the contemporary challenges in the Indian society.

MAND 4.11 (Discipline Specific Elective-3)

Field work

CO1 Understand the importance of field work in anthropology.

CO2 Know the methodology and various technique of collecting data.

CO3 How to make rapport in the field.

CO4 Learn application of statistic for data entry and analysis.

CO5 Ability to write report from the data collected.

MAND 4.21 (Discipline Specific Elective-4)

Dissertation

CO1 The skill of preparing study tools.

CO2 How to prepare data collection tools.

CO3 How to carry tabulations, data processing and data analysis.

CO4 The skill of writing dissertation/reports, scientific paper and evaluation of reports.

CO5 Ability to prepare and present research findings.

HoD

Department of Anthropology