

Syllabus for Ph.D.
coursework in Anthropology

Department of Anthropology
Central University of Orissa
Koraput

Guidelines for PhD course work in Anthropology:

1) Duration of the course work will be of One Semester.

2) The programme will be of 16 credits and will consist of 4 courses of 4 credits each.

3) Course Structure:

Paper	Paper Code	Title of the Paper	Total Marks	Credit
1	ANT- C 501	Research Methodology and Computer Applications	100	4
2	ANT- C 502	Review of Literature	100	4
3	ANT- C 503	Fieldwork/ Assignments/Internships, Seminars and Other Academic Activities	100	4
4	ANT- C 504	Recent Advances in Anthropology	100	4

4) Teaching and Examination:

- a. Department will conduct examinations
- b. Department will assign a course advisor for each of the courses
- c. Each course will be assessed for 100 marks each
- d. Head of the department will maintain record of examinations, and evaluations and also recommend for issuing of certificates

Paper-1: Research Methodology and Computer Applications (ANT- C 501)

UNIT- I

Research Process: An Overview

- a. Scientific Method
- b. Inductive and Deductive reasoning
- c. Reality, Observable Universe, Theory and Fact
- d. Research in Social Science

Recent Approaches

- a. Participatory Research
- b. Action Research
- c. Operations Research
- d. Public-Private Partnership

UNIT- II

Quantitative Methods

- a. Basic Statistical Concepts: Measures of Central Tendency, Measures of dispersion, Statistical tests,
- b. Correlation, Pearson's and Spearman's; Regression, Linear, Growth, Logistic
- c. Multivariate Statistics: Multiple regressions, Factor analysis, Multidimensional Scaling and other techniques

Qualitative Methods

- a. Philosophy of Qualitative research
- b. Methods
- c. Tools and Techniques
- d. Management of the data
- e. Qualitative data analysis
- f. Mixed Methods

UNIT- III

Software (Training in the software will proceed in relation with the assignments)

- a. SPSS
- b. Atlas/Ti and MAXQDA for Qualitative data management and analysis
- c. WHO Anthro and Anthro+ for analysis of growth of children and adults
- d. Bibliographic data management softwares : Zotero, Endnote, and otheronline tools

UNIT- IV

Scientific writing skills

- a. Thesis, Report, Scientific Papers in journals and Book Chapters
- b. Writing a scientific research proposal
- c. Bibliographies, citations: Different citation styles
- d. Online Scientific databases: Journals, Achieves, JSTOR, UGC-Infonet and others, Census of India, NFHS and DHS databases, Secondary data and its use in Anthropological research

UNIT- V

Research Ethics

- a. History of research ethics
- b. Introduction to ethical principles
 - i. What is morality? What is ethics? What is ethical theory?
 - ii. Principles of biomedical and social science ethics
 - iii. How these principles apply to research
 - iv. Guidelines of various bodies (Reading)
- c. Ethics committees
- d. Framework for ethical analysis
- e. Ethical Guideline in Social Research
- f. Ethics in Paleoanthropological and Archaeological research: AntiquitiesLaw in India and other countries
- g. Ethical Guidelines for biomedical research, Genome Research Bill

Paper-2: Review of Literature (ANT- C 502)

The candidates are to undertake reference collection and library work relating to their topics of research in different libraries of the University/ Department/ Institutes within the State. The candidates if so desire may undertake library work in the University/ Department/ Institutes outside the State taking due permission to the Head of the Department. However, no added financial support will be provided for this purpose.

Scholars must include following tenets in the review of Literature:

- Title of the Paper
- Objectives / Hypothesis of the paper
- Place (geographical area) of study
- Community studied
- Methods applied / theory followed in the paper
- Findings
- Interpretation

**Paper-3: Fieldwork/ Assignments/Internships, Seminars and Other Academic Activities
(ANT- C 503)**

1. Fieldwork/ Internship will be carried out in consultation with and under guidance of PhD supervisor
2. Assignments, Seminars and other academic activities will be carried out in consultation with PhD supervisor and Head of the Department

Paper-4: Recent Advances in Anthropology (ANT- C 504)

UNIT-I

- a. Application of Biological Anthropology in the service of Mankind;
- b. Medical genetics: Meaning and scope; Application of Genetics in Medicine;
- c. Genetic Epidemiology with special reference to non-communicable diseases: Haemoglobinopathies, Diabetes, Cancer, Cardio-vascular diseases;
- d. Pre-natal diagnosis and Genetic counselling;
- e. Blood group incompatibility, disease association, HLA system and Immunogenetics.

UNIT-II

- a. Recent Advance in Human Genetics: An Overview;
- b. Human Cytogenetics, autosomal and sex chromosomal polymorphism;
- c. Cytogenetics & its application in identification of Chromosomal aberration;
- d. Recombinant DNA techniques & Genetic Engineering;
- e. Application of Molecular techniques in Biological Anthropology: PCR, RFLP, Gel Electrophoresis, DNA Fingerprinting etc.

UNIT-III

- a. History of Anthropological Thoughts: An Overview;
- b. Evolutionism: A critical Assessment of Classical Evolutionism and Neo-Evolutionism, Recent trends in Evolutionary Thoughts;
- c. Diffusionism: A critique on Diffusionistic Thoughts;
- d. Historical Particularism: F. Boas;
- e. Functionalism and Structure- Functionalism: A Critical Review;
- f. Post Modernism and deconstruction theories in Anthropology;
- g. Recent trends in Psychological Anthropology;
- h. Culture Relativism

UNIT-IV

- a. Concept of Development;
- b. Culture and Development;
- c. An overview of Plan Development in India;
- d. Problems of Tribal Development in India;

- e. Tribal Development programme in India –An overview;
- f. Development of Particularly Vulnerable Tribal Groups;
- g. Anthropological approaches to Development, Tribes and Forest dwellers
- h. Planning: Micro and Macro;

UNIT-V

Bio-cultural Evolution of Man in Africa with reference to Lower Palaeolithic, Middle Palaeolithic, Upper Palaeolithic & Mesolithic Cultures (Origin, Chronology Distribution, Traditions and Development).