

# **Course of Studies for the PhD Degree (Anthropology)**

**2025-2026**

**Under the Semester System of Teaching and Examination**



**P.G. DEPARTMENT OF ANTHROPOLOGY  
Sambalpur University, Jyoti Vihar,  
Burla-768019**

## **Course of Studies for the PhD Degree (Anthropology) Under the Semester System of Teaching and Examination**

### **Course Scheme**

The PhD. course shall comprise of one semester of 16 CH. In the semester, there will be two common courses; Research Methodology (AN-C. 611), Research Ethics (AN-C. 612) to be studied by all the students, one elective paper (AN-SA. 613/ AN-BA. 613) under the specialization groups, i.e. Social/ Biological Anthropology. There will be a review of literature (AN-C.614) which is followed by submission of the the Review Report (2CH) and a seminar (2CH). The distribution of the total 40 credit hours has been presented below. All the papers will be evaluated by the internal examiners.

Note: PhD. coursework and evaluation will follow the university's guidelines. The PhD coursework will be considered as a pre-requisite for the PhD programme.

### **Pre PhD Course Work (16 CH)**

**AN-C.611** : Research Methodology (4 CH)

**AN-C.612**: Research Ethics (4 CH)

**AN-C.613**: Bio-Social Problems in India (4 CH)

**AN-C.614**: Review of Literature from research papers published in referred journals (4 CH)

(Review Report: 2 CH; Seminar: 2 CH)

## Details of the Course Curriculum

**Course Code: AN-C.611 (4CH)**

**Prerequisite: PhD admission**

**Course Name: Research Methodology**

**Corequisite: None**

<b>PEO1</b>	Understand the method of analysis in <b>Research Methodology</b> Relating to the <b>PhD Degree in Anthropology</b>
<b>PEO2</b>	Analyse the relationships among different concepts
<b>PEO3</b>	Perform procedures as laid down in the areas of study
<b>PEO4</b>	Apply the software to manage and analyze research data

**Unit I** Application of statistical concept/ procedure, Data Diagrammatic representation of data, probability, Measure of central tendency, Measures of dispersion, Normal distribution: Simple correlation, regression analysis, sampling: Simple random sampling.

**Unit II** Testing of Hypothesis, Tests X<sup>2</sup> (Chi-square), T- and F- tests, Analysis of variance, one way Analysis of Variance, Two way Analysis of Variance, Writing of research reports and research paper.

**Unit III** Functional unit of a computer, window operating system, managing files and folder, word editing and formatting, working with tables, creating and printing a presentation, producing a slide show, editing and formatting worksheet, performing basic calculation, working with chart, using the internet and the world wide web.

**Unit IV** Learning software package specific to social sciences;  
Data analysis using SPSS  
Data analysis using NVivo

### Course Outcomes

<b>CO-1</b>	Remember and understand the basic concepts <b>Research Methodology</b>
<b>CO-2</b>	Analyse the various concepts to understand them through case studies
<b>CO-3</b>	Apply the knowledge in understanding analytical problems
<b>CO-4</b>	Execute data analysis field assignment as per the knowledge gained in the course

### Recommended Readings:

1. Bhattacharya, D.K., Research Methodology Excel Books, New Delhi, III Edition 2006
2. Kothari, C.R, Research Methodology
3. Gupta, S.C. and Kapoor, V.K. Fundamentals of Mathematical Statistics, S. Chand, New Delhi
4. Sinha, P.K. and Sinha, Priti Computer Fundamentals, BPB Publication
5. Comdex Computer Course Kit, BPB Publication
6. Rusel, A. Stultz, Learn Microsoft Office

**Course Code: AN-C.612 (4CH)**

**Prerequisite: PhD admission**

**Course Name: Research Ethics**

**Corequisite: None**

<b>PEO1</b>	Understand the method of analysis in <b>Research Ethics</b> Relating to the <b>PhD Degree in Anthropology</b>
<b>PEO2</b>	Analyse the relationships among different concepts
<b>PEO3</b>	Perform procedures as laid down in the areas of study
<b>PEO4</b>	Apply the concepts to manage and analyze research data

- RPE 1      PHILISOPHY AND ETHICS (3 hrs)  
Introduction to philosophy: definition, nature and scope, concept, branches  
Ethics: definition, moral judgments and reactions
- RPE 2      SCIENTIFIC MISCONDUCT (5hr)  
Ethics with respect to science and research  
Intellectual honesty and research integrity  
Scientific misconduct: falsification, fabrication and plagiarism  
Redundant publications: duplicate and overlapping publication, salami slicing  
Selective reporting and misinterpretation of data
- RPE 3      PUBLICATION ETHICS (7hrs)  
Publication ethics: definition, introduction and importance  
Best practices/ standards setting initiatives and guidelines: COPE, WAME, etc.  
Conflicts of interest  
Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types  
Violation of publication ethics, authorship and contributor ship  
Identification of publication misconduct, complains and appeals  
Predatory publishers and journals
- RPE 4      OPEN ACCESS PUBLICATION (4hrs)  
Open access publication and initiatives  
SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies  
Software tool to identify predatory publications developed by SPPU  
Journal finder/journal suggestion tools viz. JANE, Elsevier journal finder, Springer journal suggester, etc.
- RPE 5      PUBLICATION MISCONDUCT (4hrs)  
Group discussion (2hr)  
Subject specific ethical issues, FFP, authorship  
Conflicts of interest  
Complaints and appeals: examples and fraud from India and abroad  
Software tools (2hrs)  
Use of plagiarism software like Turnitin, Urkund and other open resource software tools
- RPE 6      RPE 6: DATABASE AND RESEARCH METRICS (7hrs)  
DATABASES (4hrs)  
Indexing databases  
Citation database: Web of science, scopus etc.  
RESEARCH METRICS (3hrs)  
Impact factor of journal as per journal citation report, SNIP, SJR, IPP, Cite score

Metrics: h-index, g index, i10 index, altmetrics

### Course Outcomes

CO-1	Remember and understand the basic concepts of <b>Research Ethics</b>
CO-2	Analyse the various concepts to understand them through case studies
CO-3	Apply the knowledge in understanding analytical problems
CO-4	Execute data analysis as per the knowledge gained in the course

### Suggested Readings

Bird, A. (2006). *Philosophy of science*. Routledge

Macintyre, Alasdair (1967). *A short history of ethics*. London

P. Chaddah, (2018) Ethics in competitive research: Do not get scoped; do not get plagiarized, ISBN:978-9387480865

National academy of sciences, National Academy of Engineering, and institute of medicine. (2009). *On being a scientist: A Guide to Responsible conduct in Research: third edition*. National academies press.

Resnik, D. B. (2011). What is ethics in research & why it is important. *National institute of environmental health sciences*,1-10.

Beall, J. (2012). Predatory publishers are corrupting open access. *Nature*, 489(7415), 179-179.

Indian National Science academy (INSA), Ethics in Science in Science Education, Research and Governance (2009), ISBN: 978-81-939482-1-7.

**Course Code: AN-C.613 (4CH)**

**Prerequisite: PhD admission**

**Course Name: Bio-Social Problems of India**

**Corequisite: None**

PEO1	Understand the method of analysis in <b>Bio-Social Problems of India</b> Relating to the <b>PhD Degree in Anthropology</b>
PEO2	Analyse the relationships among different concepts
PEO3	Perform procedures as laid down in the areas of study
PEO4	Apply the software to manage and analyze research data

**Unit I** Demographic Anthropology  
Basic Demographic Variables, Sex Ratio, Fertility, Mortality (including Infant, Child Mortality and Maternal Mortality in India), Migration, Morbidity; Sources of Population Data: Census, NFHS, NSS, DHS, International Year Book.

**Unit II** Anthropology of Children and Childhood  
Children in difficult situations: Overburdened school-going children, Growing up in slums,

Plight of the girl-child in India, Children in the Cyber environment.

**Unit III** Major Social Problems in India  
Poverty, Unemployment, Crime, Drug Addiction; Welfare Schemes, Programmes, Government Organizations and Voluntary Organizations etc.

**Unit IV** Stages of Human Growth and Applications of Biological Anthropology  
Methods of studying Growth– Cross-sectional, Longitudinal, Mixed-longitudinal; Growth Curve, Assessment of Nutritional status, National nutritional programmes for the elimination of malnutrition and food insecurity, Anthropometric measurements and its applications, Maternal and Child Health, Prevalence of non-communicable disease.

### Course Outcomes

<b>CO-1</b>	Remember and understand the basic concepts <b>Bio-Social Problems of India</b>
<b>CO-2</b>	Analyse the various concepts to understand them through case studies
<b>CO-3</b>	Apply the knowledge in understanding analytical problems
<b>CO-4</b>	Execute data analysis, field assignment as per the knowledge gained in the course

### Recommended Readings:

1. Bhenda, Asha, A. & Kanetkar Tara. Principles of Demography.
2. Bose, Ashish. India's Urbanization 1901-2001.
3. Chand, Gyan. Population in Perspective.
4. Council for Social Development Publication. Aspects of Population Policy in India.
5. Davis-Kingsley. The Population of India and Pakistan.
6. Driver, E. R. Differential Fertility in Central India.
7. Kesarwani, Baburam. Fertility and Differential Fertility.
8. Kumarg, T. K. Vimala. Infant Mortality among the Fishermen.
9. Verhellen, Eugene, 1991. Understanding Children's Right..
10. Pfeffer, George & D.K. Behera, 2006. Contemporary Society: Childhood and Complex Order.
11. James, Alison and Allan Prout. 1991 Structuring and Restructuring of Childhood
12. Behera, D.K., 1996. Children and Childhood in our Contemporary Societies.
13. Qvortrup, J. et al. 1995. (Eds), Childhood Matters, Social Theory, Practice and Politics.
14. Bogin, B. 1988. Patterns of Human Growth. Cambridge University Press, Cambridge.
15. Mader, S.S. (6th Ed.). (2000) Human Biology. Mc Graw Hill, New Delhi.
16. Campbell, N.A, J.B. Reece and E.J. Simon (2<sup>nd</sup> Eds.). 2010. Essential Biology with Physiology. Pearsons, New Delhi.
17. Harrison, G.A., J.S. Weiner, J.M. Tanner and N.A. Barnicot. (1964) Human Biology: An Introduction of Human Evolution, Variation and Growth. Claredon Press, Oxford.
18. Jobling M. A., M. E. Hurles and C. Tyler-Smith. (2004) Human Evolutionary Genetics: Origins, Peoples & Disease. Garland Science. New York.
19. Tanner, J. M. 1978. Growth at Adolescence. Blackwell Science Ltd. London.

20. Carter, J. and B.H. Heath. 1990. Somatotyping – Development and Application. Cambridge University Press, Cambridge.
21. Lasker, G. W. and C. G. N. Mascie-Taylor (Ed.). 1993. Research strategies in human biology: field and survey studies. Cambridge University Press, Cambridge.

**Course Code: AN-C.614 (4CH)**

**Course Name: Review of Literature from research papers published in referred journals**

**Prerequisite: PhD admission**

**Corequisite: None**

**(Review Report: 2 CH; Seminar: 2 CH)**

<b>PEO1</b>	Understand the method of analysis in <b>reviewing literature</b> Relating to the <b>PhD Degree in Anthropology</b>
<b>PEO2</b>	Analyse the relationships among different concepts
<b>PEO3</b>	Perform procedures as laid down in the areas of study
<b>PEO4</b>	Apply the software to manage and analyze research data

Each scholar shall take the review of literature and develop a synopsis on a given topic under the supervision of a teacher.

Review of Literature on a given Topic: 2CH

Seminar Presentation on a given Topic: 2CH

<b>CO-1</b>	Remember and understand the basic concepts <b>in reviewing literature</b>
<b>CO-2</b>	Analyse the various concepts to understand them through case studies
<b>CO-3</b>	Apply the knowledge in understanding analytical problems
<b>CO-4</b>	Execute data analysis, field assignment as per the knowledge gained in the course

The knowledge of the students on the above item shall be examined by internal examiners.