



SAVITRIBAI PHULE PUNE UNIVERSITY

DEPARTMENT OF ANTHROPOLOGY

SYLLABUS

PhD Coursework in Anthropology

Effective from July 2024

Guidelines for Ph.D. coursework in Anthropology

- Ph.D. Coursework and evaluation will be governed by the rules prescribed by the University from time to time.
- The PhD coursework shall be treated as a prerequisite for the PhD programme.
- **Course Structure for PhD:** The Ph.D. coursework will be of **total 16 credits** and will consist of the following pattern:

Course 1

AN- PhD-1: Research Methodology in Anthropology **4 Credits**

Course 2

AN- PhD- 2: Attending at least ONE National/International Seminar **1 Credit**

Course 3: Two Subject specific advanced level courses

Students can choose any two of the following courses

AN-PhD- 3: Advances in Medical Anthropology **4 Credits**

AN-PhD- 4: Perspectives in Social-Cultural Anthropology **4 Credits**

AN-PhD- 5: Perspectives in Development Anthropology **4 Credits**

AN-PhD- 6: Perspectives in Urban Anthropology **4 Credits**

AN-PhD- 7: Advances in Biological Anthropology **4 Credits**

AN-PhD- 8: Analytical and Laboratory Training in Biological Anthropology
4 Credits

Course 4

AN-PhD-9: Research & Publication Ethics
2 credits

PhD Students will have to enroll and successfully complete the two-credit mandatory course (SPPU circular no. 103/2021 dated 8th April 2021) entitled “Research and Publication Ethics” (RPE) run by the Centre for Publication Ethics, SPPU. Students may refer to <https://cpe.unipune.ac.in/Home/Course>

Course 5

AN-PhD-10: Pedagogical Training/Industrial Visit Report/ Assessment Statement

1 Credit

AN-PhD-1: Research Methodology in Anthropology

Mandatory Paper, 4 Credits

Unit 1: Research Process: An Overview

Scientific Method

Inductive and Deductive reasoning

Reality, Observable Universe, Theory and Fact

Recent approaches in Social Science Research: Participatory Research, Action Research, Operations Research, Public-Private Partnership

Research in Biological Anthropology: Molecular Methods, Biocultural approach,

Unit 2: Quantitative Methods

Basic Statistical Concepts: Measures of Central Tendency, Measures of dispersion, Statistical tests,

Correlation, Pearson's and Spearman's; Regression, Linear, Growth, Logistic

Multivariate Statistics: Multiple regression, Factor analysis, Multidimensional Scaling and other techniques

Unit 3 Qualitative Methods

Philosophy of Qualitative research

Methods, Tools and Techniques, Management of the data

Qualitative data analysis, Mixed Methods

Unit 4: Software

SPSS, R and other software

Atlas/Ti and MAXQDA and other software for Qualitative data management and analysis

WHO Anthro and Anthro+ for analysis of growth of children and adults

Bibliographic data management softwares: Zotero, Endnote, and other online tools

Unit 5: Academic writing skills

Thesis, Report, Scientific Papers in journals and Book Chapters

Writing a scientific research proposal

Bibliographies, citations: Different citation styles

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 6: Research Ethics

History of research ethics, Introduction to ethical principles

What is morality?, What is ethics?, What is ethical theory?

Principles of biomedical and social science ethics, How these principles apply to research

Guidelines of various bodies (Reading)

Ethics committees, Framework for ethical analysis

Ethical Guideline in Social Research, Ethics in Paleoanthropological and Archaeological research: Antiquities Law in India and other countries, NAGPRA

Ethical Guidelines for biomedical research, Genome Research Bill

References:

Books

- Natasha Mack, Cynthia Woodson, Kathleen M. Macqueen, Greg Guest, Emily Namey, 2005; Qualitative Research Methods: A Data Collector's Field Guide, Family Health International, North Carolina, USA.
- Guba, Egon G./Lincoln, Yvonna S.: Competing paradigms in qualitative research, in: Denzin, Norman K./Lincoln, Yvonna S. (eds.): The landscape of qualitative research. Theories and issues, 2nd edition, Sage, London, 2003.
- Silverman, David: Interpreting qualitative data. Methods for analysing talk, text and interaction, Sage, London, 1993.
- Keohane, Robert O./King, Gary/Verba, Sidney: Designing social inquiry - Scientific inference in qualitative research, Princeton University Press, Princeton 1994.
- Creswell, John W.: Qualitative, quantitative, and mixed methods approaches, Sage, London, 2003.
- C. Frankfort-Nachmias, & Nachmias, D 1996 'Research Methods in Social Sciences', Arnold, London.
- Danda, Ajit 1992 'Research Methodology in Anthropology', Inter-India, New Delhi.
- Pelto, P.S. & Pelto, G.H. 1979 'Anthropological Research', Cambridge University Press, London.
- Wilkinson, T.S. & Bhandarkar, P.L. 1994 'Methodology and Techniques of Social Research', Himalaya Publishing House, Bombay.
- W. Laurence Neuman 1997 'Social Research Methods', Allyn & Bacon.
- Fetterman David 1989 'Ethnography Step by Step', Sage publication.
- Hammersley, M. 1983 'Ethnography Principles in Practice', Tavistock Publications.
- Royal Anthropological Inst. of G. Britain & Ireland 1967 'Notes and Queries on Anthropology', Routledge and Kegan Paul Ltd. London.

Recommended Books

- Bailey, D.K. 1982 'Methods of Social Research', The Free Press, New York.
- Fischer, Michael 1994 'Applications in Computing for Social Anthropologists', Routledge, London.
- Goode & Hart 1983 'Methods in Social Research', McGraw Hill, International Japan.
- H. Russel, Bernard 1998 'Handbook of Methods in Cultural Anthropology', Altamira Press.
- Madrigal, Lorena 1998 'Statistics for Anthropology', Cambridge University, Cambridge
- Laresu & Shultz 1996 'Journey through Ethnography', West view Press, Oxford.
- Langness, L.L. 1965 'Life History in Anthropological Sciences', Holt, Rinehart and Winston, New York &

Reference Books

- Costner & Smelser 1976 'Comparative Methods in Social Sciences'. Prentice Hall Inc., New Jersey.
- Kaplan, Abraham 1964 'The Conduct of Enquiry: Methodology for Behavioral Science & Chandler Publication Company, Pennsylvania
- Kelkinger, F.N. 1973 'Foundation of Behavioral Research', Bolt Rinehart and Winston Inc., New York
- Muller, I.H. 1970 'Statistical Reasoning in Sociology',
- Young, Pauline 1984 'Scientific Social Surveys and Research', Prentice Hall of India, New Delhi.

- Allison & Hockey & Dawson, Andrew 1997 'After Writing Culture', Routledge.
- Atkinson, Paul 1990 *The Ethnographic Imagination: Textual Constructions of Reality*, Routledge Publication.
- Clifford, James 1986 'The Poetics and Politics of Ethnography', University of California Press, California.
- Hastrup & Hervik 1994 'Social Experience and Anthropological Knowledge', Routledge, London.
- Maanen John Van 1988 'Tales of the Field: On writing Ethnography', The University of Chicago Press, Chicago
- Moser, C. A. and Kaltan G., 1971 : *Survey Methods in Social investigation*
- Young Pauline, 1984 : *Scientific Social Surveys and Research* New Delhi Prentice Hall of India
- Thomas S. J., 1999: *Designing Surveys That Work I — A Step-by-Step Guide*, California Corvine Press inc.
- Babbie E., 1995, *The Practice of Social Research*, Seventh Edition, Wadsworth Publishing Company, USA
- Davis, Martha. 2004. *Scientific Papers and Presentations, Second Edition: Navigating Scientific Communication in Today's World*. 2nd ed. Academic Press, October 1.
- Given, Lisa M. 2008. *The SAGE Encyclopedia of Qualitative Research Methods*. 1st ed. Sage Publications, Inc, August 21.
- Godfrey-Smith, Peter. 2003. *Theory and Reality: An Introduction to the Philosophy of Science*. University Of Chicago Press, August 1.
- Greasley, Pete. 2008. *Quantitative Data Analysis with SPSS*. 1st ed. Open University Press, January 1.
- Hinton, Dr Prry R. 2004. *Statistics Explained, A Guide for Social Science Students* 2nd edition. Routledge, 2004, January 1.

Readings in Research Ethics

- Armstrong, D. (2007). *Embodiment and Ethics: Constructing Medicine's Two Bodies. The View from Here: Bioethics and the Social Sciences*. R. De Vries, L. Turner, K. Orfali and C. Bosk. Oxford, Blackwell: 194-208.
- Corrigan, O. (2003). "Empty Ethics: The Problem with Informed Consent." *Sociology of Health and Illness* 25(3): 768-792.
- Sunder Rajan, K. (2007). "Experimental Values: Indian Clinical Trials and Surplus Health." *New Left Review* 45: 67-88.
- The Belmont Report, *Ethical Principles and Guidelines for the Protection of Human Subjects of Research*. The National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research, April 18, 1979. Found at <http://www.hhs.gov/ohrp/humansubjects/guidance/belmont.htm>
- Ezekiel J. Emanuel, David Wendler, Jack Killen, and Christine Grady, (2004); *What Makes Clinical Research in Developing Countries Ethical? The Benchmarks of Ethical Research*. *The Journal of Infectious Diseases*; 189:930-7.
- National Commission for the Protection of Human Subjects of Biomedical and Behavioral Research. 1979. *The Belmont Report. Ethical Principles and Guidelines for the Protection of Human Subjects of Research*. Found at <http://www.hhs.gov/ohrp/human-subjects/guidance/belmont.html>.
- Emanuel EJ, Wendler D and Grady C. 2000. What makes clinical research ethical? *JAMA* 283: 2701-11.
- CIOMS. *Ethics and Research on Human Subjects*. 2006. International Guidelines. Geneva, Switzerland, 2002.

Nuremberg code. Found at <http://ohsr.od.nih.gov/guidelines/nuremberg.html>

Declaration of Helsinki - Ethical Principles for Medical Research Involving Human Subjects.

Found at <http://www.wma.net/en/30publications/10policies/b3/index.html>

Indian Council on Medical Research. Ethical Guidelines for Biomedical Research on Human Participants Guidelines

Participants in the 2001 Conference on Ethical Aspects of Research in Developing Countries.

Ethics: fair benefits for research in developing countries. Science 298:2133-4.

National ethical guidelines for biomedical and health research involving human participants 2017. Indian Council of Medical Research, New Delhi

<https://dbtindia.gov.in/regulations-guidelines/regulations/dna-profiling-bill>

AN-PhD – 2: Attending at least one National/International Seminar

1 Credit

PhD candidates are expected to attend/participate in at least ONE national/International Seminar and produce the certificate of attendance/ participation.
Students are encouraged to present their research ideas/review/preliminary findings in the seminar.

AN-PhD- 3: Advances in Medical Anthropology

Optional Paper, 4 Credits

Unit 1: New theoretical paradigms in Medical Anthropology

A Critical-Interpretive Approach in Medical Anthropology

Bio-cultural Perspective in Medical Anthropology

Political Economy in Medical Anthropology

Medical-Ecological Approach

Unit 2: Culture and Medicine

Ethnopsychiatry

Ethnopharmacology: The conjunction of Medical Ethnography and the Biology of Therapeutic Action

Studying of Biomedicine as a Cultural system

Clinically Applied Anthropology

Unit 3: Policy and Advocacy

Bioethics in Anthropology: Perspectives on Culture, Medicine and Morality

Indigenous Medical systems: The professionalisation of Indigenous Healers

International Health: Problems and Programs in Anthropological Perspectives

International health

World Health Organization: WHO initiatives in Health

Millennium Development Goals- 2000, Sustainable Development Goals

Unit 4: Overview of National Health Programmes in India

HIV-AIDS Control Programme

Reproductive and Child Health (RCH phase I and RCH phase II)

National Tuberculosis Control Programme (NTP and RNTP)

National Programme for Prevention and Control of Diabetes, Cardiovascular Diseases and Stroke

National programmes for control of Cancer, Blindness and deafness

Legislative measures in health sector

Unit 5: Recent health initiatives

National Rural Health Mission

National Urban Health Mission

AYUSH

Non-Governmental initiatives in Health: Case Studies, Approaches

Unit 6: Research Methodology

The application of anthropological methods to public health problems

Applying multiple methods: methodological benefits from combining anthropological and epidemiological approaches

Triangulation method

Systematic application of various methods

References

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- Beebe, J. (1995). "Basic Concepts and Techniques of Rapid Appraisal." *Human Organization* 54:42-51.
- Benatar SR. 1998 Global Disparities in health and human rights: a critical commentary. *Amer J Public Health*. 88(2):295-300.
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- Chikanda, Abel. 2005 Nurse migration from Zimbabwe: analysis of recent trends and impacts. *Nursing Inquiry* 12(3):162-174.
- Cooper, Richard A and Linda H Aiken. 2006 Health services delivery: Reframing policies for global migration of nurses and physicians—a US perspective. *Policy, Politics, & Practice* 7(3):66S-70S.
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- Garro, L. (2000). Cultural meaning, explanations of illness, and the development of comparative frameworks. *Ethnology*, 39(4), 305-334.
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- Konner, M. (1993). *Medicine at the Crossroads: The Crisis in Health Care*. New York: Pantheon Books.
- Leatherman, T. (2005). A space of vulnerability in poverty and health: political-ecology and biocultural analysis. *Ethos*, 33(1), 46-70.
- Lock, M. & Scheper-Hughes, N. (1996). A critical-interpretive approach in medical anthropology: rituals and routines of discipline and dissent. In C. F. Sargent & T. M. Johnson (Eds.), *Handbook of medical anthropology: contemporary theory and method*. (Revised ed., pp. 41-70). Westport, CT: Praeger Publishers.
- Lock, M., and Scheper-Hughes, N. (1990). "A Critical-Interpretive Approach in Medical Anthropology: Rituals and Routines of Discipline and Dissent." In *Medical Anthropology: Contemporary Theory and Method*, eds. T. M. Johnson and C. F. Sargent. New York: Praeger.

- Lock, M., Freeman, J., Chilibeck, G., Beveridge, B., & Padolsky, M. (2007). Susceptibility genes and the question of embodied identity. *Medical Anthropology Quarterly*, 21(3), 256-276.
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- McElroy, A. (1996). Should medical ecology be political? *Medical Anthropology Quarterly*, 10(4), 519-522.
- McElroy, A., and Townsend, P. K. (1989). *Medical Anthropology in Ecological Perspective*, 2nd edition. Boulder, CO: Westview Press.
- Scrimshaw, S. C. M.; Carballo, M.; Ramos, L.; and Blair, B. A. (1991). "The AIDS Rapid Anthropological Assessment Procedures: A Tool for Health Education Planning and Evaluation." *Health Education Quarterly* 18:111-123.
- Singer, M. (1994). "AIDS and the Health Crisis of the U.S. Urban Poor: The Perspective of Critical Medical Anthropology." *Social Science and Medicine* 39: 931-948.
- Singer, M., Valentin, F., Baer, H., & Zhongke, J. (1992). Why does Juan Garcia have a drinking problem? The perspective of critical medical anthropology. *Medical Anthropology*, 14(1), 77-108.
- Trostle, J. A., and Sommerfeld, J. (1996). "Medical Anthropology and Epidemiology." *Annual Review of Anthropology* 25:253-74.

Unit 1: Paradigms in Social-Cultural Anthropology

Positivism

Post-modernism

Feminist Perspective

Multiculturalism

Interdisciplinarity and Multidisciplinarity

Unit 2: Marriage, Family and Kinship: Emerging Trends

a. Marriage

Increasing age at Marriage

Career and Marriage: Adjustments and Consequences

Same sex marriage

Live in Relationship

Contract Marriage

Divorce

Socio-Cultural and Legal Implications

b. Family & Kinship

Surrogacy Adoption Socio-Cultural and Legal Implications

Gender discriminations and Women Empowerment

Gender discriminations & bias

Female Feticide and infanticide

Gender Preferences

Gender inequality

Women Empowerment: Political and Legal provisions

c. Socio-Cultural Scenario in India:

Reflections from-

National Family Health Surveys

India Development Reports

Unit 3: Social and Cultural Change in India

a. Social Stratification in India -

Caste- As a Group and as a System

Caste: Changes in attitudes and practices

b. Nature of social and cultural changes in

Scheduled Caste and Cultural Changes in India

Scheduled Tribe and Cultural Changes in India

Notified & De-notified Groups and Cultural changes in India

Unit 4: Dominant processes of Socio-Cultural change in India

Sanskritization, Industrialization

Urbanisation, Modernization

Westernization, Globalisation

Unit 5: Religious and popular cults- in India/ Maharashtra

What is cult

Usages in Theological, cultural, sociological and popular media contexts

Traditional cults in India: Tantrik, Warkari and Yallamma and other cults, Recent cults

REFERENCES

- Harris Marvin 1983 'Cultural Anthropology' Harper & Row Publication, New York
Haviland W A 1993 'Cultural Anthropology' Harcourt Brace College Pub. London
Ember & Ember 2008 Anthropology Perspn Prentice Hall of India Pvt. Ltd.
Karve Iravati 1961 'Hindu Society - An Interpretation' Deccan College, Pune
Tylor Stephen 1973 'India: An Anthropological Perspective' Waveland Press Inc.
Mandulbum D. 1972 Society In India Popular Prakashan, Bombay
Anjali Kurane 1998 Ethnic Identity And Social Mobility, Ravat Publication
Singh K 1992 People of India: An Introduction ASI Calcutta
Bashain A L 1977 The Wonder that was India Rupa & Co. , New Delhi
Milton Singer 1975 Traditional India : Structure & Change Rawat Publications
Majumdar R. C. 1951 History & Culture of the Indian People Bharatiy Vidya Bhavan
Srinivas M N 1962 Caste in Modern India Media Promoters & Publishers, Bombay
Schermerhorn R A 1978 Ethnic Plurality In India Arizona: University of Arizona Press
Moore W E 1965 Social Change Prentice Hall of India, Delhi
Strasser & Randall 1981 An Introduction to Theories of Social Change Routledge & Kyan Paul, London
Rao M.S.A. 1970 Urbanization & Social Change Orient Longram, New Delhi
Sariyan M 1972 What a Great Tradition Modernizers Vikas Publications, New Delhi
Smith Anthony 1973 The Concept of Social Change Routledge & Kyan Paul, London

AN-PhD-5: Perspectives in Development Anthropology

Optional Paper, 4 Credits

Unit 1: Origin, Approaches in Anthropology of Development

The discourse of development.

Populism, anthropology and development

The entangled social logic approach

Socio-Anthropology of Development

Comparativism

Action

Populism.

Concept of Development.

Unit 2: Perspectives on Developments

Modernisation Theory/model, its critique

Dependency paradigm: Development of underdeveloped, Dependency and unequal exchange

World Capitalist System; World System Theory, Centre - Periphery

Gandhi's approach/alternatives to development.

Developing Countries and Western model of Development

Gender and Development

Culture and Development

Environment and Development

Sustainable Development

Participatory Development

North-South theory, Forth world Theory

Globalisation and Development

Unit 3: Agencies of Development

Government agencies - Role of Welfare State in development

Non Government Organizations (NGOs),

Community Based Organization (CBOs),

International developmental and funding agencies, United Nation's development efforts, international cooperation in the field of development.

Unit 4: Development Planning

Concept of planning, relevance and necessity of planning in development,

development as a planned social change,

Generative and regulative approaches to planning, endogenous and exogenous aspects of planning,

Political, geographical and socio-cultural units of planning,

Sources, linkage and targets in planning,

People's participation and feedback in planning,

Monitoring and impact evaluation as parts of planning process

Unit 5: Development: The Indian Case

Post Independence Scenario: Development of Caste, Class, Tribes, Gender, Minorities
Socio-cultural indicators of Development.
Socio-cultural impediments to development.
Social and Environmental Consequences.
Displacement, Destruction of livelihood and environment.

References

- Alavi Hamza and Shanin Teodar (Ed.), 1982. Introduction to the Sociology of “ Developing Societies”, Monthly Review Press, London.
- Baran Paul 1962. The Political Economy of Growth , Peoples Publishing House, London.
- Desai A.R. (ed.) 1971. Essays on Modernisation of Underdeveloped Societies. Vol.1. Thacker and Co. Ltd. Mumbai.
- Harrison David 1968. Sociology of Modernisation and Development. Heritage Publishers. New Delhi.
- Ismail Serageldin Joan Martin- Brown (Ed.) Culture in Sustainable Development (UNESCO 1998).
- Kripal Prem 1993 Culture and Development Har- Anand Publications
- Maheu Rane: Culture in the Contemporary world. (UNESCO 1973).
- UNESCO 1981. Women and Development: Indicators of their changing role
- UNESCO Culture and Development.
- United Nation 2000 Commission on status of Women.
- World bank Reports 1989, 1990, Women in Development.

Text Books

- Gardner, K. & Lewis 1996 ‘Anthropology, development and the post-modern challenge’, Pluto press, London.
- Grillo, R. & Rew, A. 1985 ‘Social Anthropology and development policy’, Tavistock publication, London.
- Malhotra, R. (ed.) 1992 ‘Anthropology of development’, Mittal publications, New Delhi.
- Mukherjee, R. 1991 ‘Society culture development’, Sage publication, New Delhi.
- Saraswati, Baidyanath 1997 ‘Integration of endogenous cultural dimensions into development’, Indira Gandhi National Centre for Arts.
- Sharma, S.L. 1986 ‘Development: Socio-cultural dimensions’, Rawat publications, Jaipur.

Recommended Books

- Misra, S.N. 1986 ‘Panchayat Raj, Bureaucracy and rural development’, Indian Institute of Public Administration, New Delhi.
- Misra, R.P. 1985 ‘Development issues of our time’, Concept publication company, New Delhi.
- Negi & Gaikwad 1989 ‘Socio-cultural dynamics of tribal development’, Tribal Research & Training Institute, Pune.
- Pathy, Jagannath 1988 ‘Ethnic minorities in the process of development’, Rawat publication, Jaipur
- Vorhies and others 1989 ‘The politics of hunger’, Hillsdale College Press, Michigan.
- Dunn, P.D. 1978 ‘Appropriate technology’, Schochen books, New York.
- Rogers, Everell 1976 ‘Communication and development: Critical perspectives’, Sage publication, London.
- Saksena & Tiwari 1998 ‘Perspectives in tribal development’, Bharat book centre.

- Shore & Wright (ed.) 1997 'Anthropology of Policy: Critical perspectives on Governance and Power'.
- Vatsyayan, Kapila 1996 'Interface of cultural identity and development', Indira Gandhi National Centre for Arts.

AN-PhD-6: Perspectives in Urban Anthropology

Optional Paper, 4 Credits

Unit 1: Urban Anthropology

Historical Perspective
Contributions of Urban sociology to urban Anthropology
Foundational concepts of Urban Anthropology
Theoretical and heuristic implications of urban Anthropology
Unit 2: Folk - Urban Continuum

Ideal type analysis
Folk ideal type: Characteristic of the Folk-Urban Continuum
Critique of the concept of the folk urban continuum
Peasant society as part society and part Culture
Primary and Secondary Urbanization

Unit 3: Anthropology of Urbanization

Urbanization and migration
Culture of Poverty
Migration and adaptation, adjustment, acculturation,
Urbanization and voluntary association
Role of cities in Cultural transformations
Pre industrial and post-industrial cities
Orthogenesis and hetero-genesis
Theoretical contributions of Urban Anthropology
Chicago school of Sociology
Manchester School of Thoughts
Concept of scale in Urban Anthropological Studies
Social network Analysis
Extended case study methods
Anthropological approaches: categorical, structural and cultural
Theoretical development on Urban African Studies

Unit 3: Ethnicity and Pluralism

Concept of Ethnicity and ethnic group
Ethnic identity
Situational ethnicity
Ethnic interaction
Competition for scarce resources and ethnic conflict
Ethnicity and nation building
Ethnicity and nation breaking
Ethnicity and national integration

Unit 4: Anthropology , Anthropologists and 21st Century City

Growth of Cities, Urban Planning and Development, Urban regeneration
Multiculturalism, Urban Mobility
Smart Urbanism / Cities

Urban Unrest, Urban Poverty, Violence, Security and Social Control
Urban Lifestyle, Social Life in public spaces, Scene and Popular Culture

References

- Baily F G 1996 *Civility of Indifference: On Domesticating Ethnicity*. Oxford New Delhi
Banks Marcus 1996 *Ethnicity: Anthropological Construction*. Routledge, London.
Baret F. 1969 *Ethnic Groups & Boundaries*, George Allen & Unwin, London.
Barnet H G 1953 *Innovation: The Basis of Culture Change*, McGraw Hill, New Delhi
Brito O, Singh A eds. 2014. *Understanding Urban Poverty in India: Experiences from Mumbai*.
Jaipur: Rawat Pubns.
Campbell & Faistein 1996 *Readings in Planning Theory*. Blackwell publications,
Massachusetts.
Cherry Gordon (ed.) 1974 *Urban Planning Problems*. Leonard Hill
Danda, Ajitkumar 1991 *Ethnicity in India*, Inter India Publication, New Delhi
Erikson T H 1993 *Ethnicity and Nationalism*, Pluto Press, London
Fainstein & Campbell 1996 *Readings in Urban Theory*, Blackwell Publishers, Massachusetts
Fox Richard 1977 *Urban Anthropology*., Prentice hall Inc., New York.
Glazor & Moynihan 1970 *Beyond the Melting Pot*., The M.I.T. Press , Massachusetts
Goldberg, Theo D 1995 *Multiculturalism: A Critical Reader*., Blackwell, Oxford
Jack, Gibbs (ed.) 1961 *Urban Research Methods*, D Van No Company Inc. & Affiliated Press
Jaffe R, Koning AD. 2015. *Introducing Urban Anthropology*. London?; New York: Routledge.
Marvin S, Luque-Ayala A, McFarlane C eds. 2015. *Smart Urbanism: Utopian vision or false
dawn? Edition edition*. Lonodn?; New York: Routledge.
Nair K S 1978 *Ethnicity and Urbanization*, Ajantha Publications East west Press Pvt. Ltd.
Nonini DM. 2014. *A Companion to Urban Anthropology*. 1 edition. Chichester, West Sussex?;
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Paddison R. 2001. *Handbook of Urban Studies*. SAGE.
Pandey V. 2014. *Rethinking Urban Development: Exploring Cosmopolitanism and
Regionalism in Post-Industrial Cities*. Jaipur: Rawat Pubns.
Pathy ,Jagannath 1988 *Ethnic Minorities in the process of Development*, Rawat Publications,
Jaipur
Paul Brass 1991 *Ethnicity and Nationalism: Theory and Comparison*, Sage, New Delhi.
Ramchandra R 1991 *Urbanization and Urban Systems in India* , Oxford University Press,
Delhi.
Rao M S and others 1991 *A Reader in Urban sociology* Orient Longman, New Delhi
Redfield M. P. (ed) 1962 *Human Nature and Study of Sociology* Vol. 1., University of Chicago
Press, Chicago.
Robert Redfield 1963 *Peasant society and culture: The Little Community*, University of
Chicago Press.
Roberts P, Roberts PW, Sykes H. 2000. *Urban Regeneration: A Handbook*. SAGE.
Singer , Milton 1997 *Ethnicity*., State University Of New York Press.
Uzzel, Douglas J. 1976 *Urban Anthropology*. Brown Company Publishers

AN-PhD-7: Advances in Biological Anthropology

Optional Paper, 4 Credits

Unit 1: Paradigms in Biological Anthropology

Evolutionary and Bio-cultural approach

Paradigm shifts

New Archaeology

Palaeoanthropology

Human Biological variation studies

Applied Biological Anthropology in India: Genetic epidemiology and surveillance, Growth and Nutrition Studies, Forensic Anthropology

Unit 2: Current Research problems and Challenges in Biological Anthropology of South Asia:

Early Hominoids,

Archaic Homo in India,

Modern Human Origins, various models and synthesis of Archaeology, Palaeoanthropology and Genetics, Ancient DNA

Genetic evidence on modern human dispersals in South Asia: Y chromosome and mitochondrial DNA,

Cranial diversity in South Asia relative to modern human dispersals and global patterns of human variation,

Early Holocene population affinities and subsistence adaptations,

Population movements in the Indian subcontinent during the protohistoric period,

Anthropological, historical, archaeological and genetic perspectives on the origins of caste in South Asia

Non-human genetics, agricultural origins and historical linguistics in South Asia

Emerging Synthesis of Genetics, Anthropology, Archaeology and Linguistics to study human evolution and variation with special emphasis on South Asia/India

Unit 3: Palaeoanthropology and Archaeological Anthropology

Archaeological Sites, Fossils and skeletal evidence with special reference to India, Paleopathology, Dental Anthropology

New Archaeology, Ethnoarchaeology, Settlement Archaeology, Environmental Archaeology

Current Status of research and emerging research questions

Human Biological Variation: Anthropometric and Genetic Studies

Molecular Genetic Studies: Overview

Theoretical approaches: Bio-cultural studies, Use of Genetics as a tool to study origin of castes and Indian social systems, Tribe, Castes, Sub-castes and endogamous groups, Language groups, Peopling of the subcontinent and migrations

Signatures of Natural Selection in India, Molecular Anthropology

Current Status of research and emerging research questions

Unit 4: Nutrition Education and Community Nutrition

Nutrition and Health Status of the community: Learning and working with the community, Factors influencing Community Health and Nutrition,

Themes in Nutrition and Health Education

Approaches in Nutrition and Health Education: Traditional and Modern Approaches,
Community Strategies in Nutrition and Health Education
Nutrition Programmes: Different programmes, Planning, Implementation and Evaluation,
Organizing Nutrition Programmes.

References

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AN-PhD-8: Analytical and Laboratory Training in Biological Anthropology

Optional Paper, 4 Credits

Unit 1: Introduction to Laboratory

Laboratory ethics, Rules, Standard operating procedures
Sterile Techniques, Lab safety Introduction to instruments Laboratory Mathematics

Unit 2: DNA Extraction from Human Blood

Phenol-Chloroform extraction
DNA Quantitation using Spectrophotometer and Quality check by Gel Electrophoresis,
Stock and Working Solutions of extracted DNA

Unit 3: Molecular Techniques

PCR, qPCR

DNA sequencing – Gold standard – dideoxy chain termination sequencing, Next-generation sequencing methods

Unit 4: Software used in Molecular Anthropological research and Bioinformatics

Unit 3: Growth, Nutrition and Anthropometry Training

Anthropometric Measurements for Growth and Nutrition

Height, Weight, Body mass Index, Chest, waist and hip circumference, Mid-upper arm circumference, Head circumference to chest circumference ratio, waist to hip ratio, Skin fold thickness, Bicep, Triceps, Sub-scapular, calf, supra-iliac, calculation of Fat percentage using skinfold and bioimpedance measurement

Statistical Analysis of Anthropometric Measurements

Basic statistical measures, Mean, Mode, Median Standard deviations, graphical representation

WHO growth standards and Growth references

Z scores using WHO Anthro and WHO Anthro plus software, individual and population level growth assessment

Dietary Assessment

Tools and Methods of dietary assessment such as 24-hour diet recall, Food frequency questionnaire, weightment method,

Conversion to food components using Indian Food Composition tables which tool serves what purpose

Clinical, Biochemical and Physiological parameters

Nutrient deficiency signs and symptoms

Haemoglobin, Blood Sugar, Blood pressure and pulse rate

Unit 4: Biostatistics and Population Genetics using various Softwares

SPSS, R and R studio, Arlequin, MEGA, Plink, basic Linux
Epiinfo, WHO Anthro and WHO Anthro+, Dietary Analysis

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AN-PhD-9: Research & Publication Ethics

2 credits

PhD Students will have to enroll and successfully complete the two-credit mandatory course (SPPU circular no. 103/2021 dated 8th April 2021) entitled “Research and Publication Ethics” (RPE) run by the Centre for Publication Ethics, SPPU. Students may refer to <https://cpe.unipune.ac.in/Home/Course>

AN-PhD-10: Pedagogical Training/Industrial Visit Report/ Assessment Statement

1 Credit

Students are expected to produce lecture plans and pedagogical frameworks for a small course/ lecture series. The Lecture series and the pedagogy may be based on their PhD topic and created in consultation with the research supervisor and other experts.