

**THE GANDHIGRAM RURAL INSTITUTE
(DEEMED TO BE UNIVERSITY)**

SCHOOL OF HEALTH SCIENCES AND RURAL DEVELOPMENT

DEPARTMENT OF APPLIED RESEARCH



BOARD OF STUDIES MEETING - 2025

Held on 02.05.2025

Syllabi for Ph. D Programme

Ph.D COURSE WORK: CORE AND SUPPORTIVE COURSES

Course	Course Code	Course Name	Credits	Marks
Supportive Course	25ARDC1101	Research Methodology	4	100
Basic Concepts and Theory in the Domain Area	25ARDC1102	Dynamics of Rural Development	5	100
	25ARDC1103	Demography and Sustainable Development	5	100
	25ARDC1104	Rural Environment and Quality of Life	5	100
	25ARDC1105	Social Work Interventions	5	100
	25ARDC1106	Information Technology Enabled Management	5	100

Course Title & Code	RESEARCH METHODOLOGY	25ARDC1101	
Programme	Doctor of Philosophy (Ph.D)	Credits	4
Cognitive Level	K-1 Understand scientific knowledge and skills in formulating problem for research		
	K-2 Enhance the knowledge of research designs, and use of methods and techniques in conducting research		
	K-3 Assess and compare types of data to stimulate research knowledge		
	K-4 Critically analyze and efficiently collect relevant research findings		
	K-5 Develop professional skill and expertise in writing a research report		
UNIT	Content	No. of Hours	
I	Scientific Research: Foundations of Research, Methods of acquiring knowledge; Objectivity and Subjectivity in Research; Epistemology, Phenomenology, Positivism, Constructivism, Pragmatism- Inductive and Deductive Reasoning, Scientific Method and its applications. Research Ethics and Ethical Committee.	12	
II	Research Process: Identification, Selection and Formulation of problem, Sources and criterion for selection; Literature review: Types, Purpose and sources. Theoretical and Conceptual Framework. Research Questions, Objectives, Hypothesis, Variables and its types.	13	
III	Research Designs and Methods: Experimental, Explorative, Descriptive and historical research; Diagnostic and Evaluation studies, case study, interdisciplinary research, Qualitative and Quantitative studies and Mixed Methods. Data – Primary and Secondary data – Research Tools & Techniques –Pilot Study and Pre-test. Reliability, Validity and Triangulation.	13	
IV	Statistics: Measures of Data, Graphical Representation of Data. Measures: Central Tendency, Dispersion, Skewness and Kurtosis. Correlation and Regression. Sampling Techniques: Probability and non-probability. Determination of sample size. Sampling and Non-Sampling Errors. Test of Normality. Parametric and Non-parametric Tests. Factor Analysis and Structural Equation Modelling.	13	
V	Data Interpretation and Report Writing: Data processing – Scoring, Categorization and Coding – Draw of inferences and interpretation. Research	13	

	Report –Steps in writing Research Report, Types of reports, Format of a research report; Bibliography, Webliography, Style of writing; Plagiarism, Publication ethics and Artificial Intelligence– Evaluation of a research report; Dissemination of research findings.	
References	• Kothari, C. R., & Garg, G. (2019). Research methodology: Methods and techniques (4th rev. ed.). New Age International Publisher. • Creswell, J. W., & Creswell, J. D. (2022). Research design: Qualitative, quantitative, and mixed methods approaches (6th ed.). SAGE Publications. • Thomas, G. C. (2023). Research methodology and scientific writing. Ane Books Pvt. LTD. • Somekh, B., & Lewin, C. (2018). Theory and methods in social science research (3rd ed.). SAGE Publications. • Neuman, W. L., & Abbott, B. B. (2020). Research methods in social life (10th ed.). Pearson. • Christensen, W. F. (2023). Methods of multivariate analysis (4th ed.). Wiley. • Anderson, D. R., Sweeney, D. J., Williams, T. A., Camm, J. S., & Cochran, J. J. (2023). Statistics for business and economics (15th ed.). Cengage Learning. • Gupta, S. P. (2021). Statistical methods. Sultan Chand Publications. • Hair, J. F., Black, W. C., Babin, B. J., & Anderson, R. E. (2020). Multivariate data analysis (9th ed.). Pearson. • Vijayalakshmi, G., & Sivapragasam, C. (2009). Research methods: Tips and techniques. MJP Publishers.	
Websites	• https://www.socialresearchmethods.net/ • https://ndl.iitkgp.ac.in/ • http://onlinelibrary.wiley.com/journal/10.1002/%28ISSN%291099-1328/issues • http://shodhganga.inflibnet.ac.in/ • http://journals.sagepub.com/ • http://gsociology.icaap.org/methods/ • http://www.researchmethodsarena.com/resources/resources.asp • http://www.vts.intute.ac.uk/he/tutorial/social-research-methods • http://www2.napier.ac.uk/depts/fhls/peas/index.htm • http://www.esds.ac.uk/support/onlineguides.asp • http://www.esds.ac.uk/international/e-learning/limited/resource • http://www.spss.com/statistics • http://www.esds.ac.uk/government/docs/documents/StartingStata9.pdf • http://www.data-archive.ac.uk	
Course Outcomes	On completion of the course, students should be able to C01: Formulate research problem C02: Prepare suitable research design C03: Choose appropriate methods of sampling and tools for data collection C04: Process the data collected in the field and to analyze using appropriate statistical methods C05: Prepare research report in a professional manner	

Course Title & Code	DYNAMICS OF RURAL DEVELOPMENT		25ARDC1102	
Programme	Doctor of Philosophy (Ph.D)		Credits	5
Cognitive Level	K-1 Understand the concept and dimensions of Rural Development			
	K-2 Expose the scholars to the various facets for Rural Development			
	K-3 Evaluate the knowledge in preparing Development Projects			
	K-4 Analyze the strategies and approaches to Rural Development in India			
	K-5 Develop knowledge on different Rural Development Programmes			
UNIT	Content			No. of Hours
I	Rural Development: Concept – Dimensions – Structure – Experiments – Strategies - Development Models: Historical perspectives in India and in Asia - Community Development and National Extension Service - Integrated Rural Development - Area and People's Development - Sustainable Livelihood: MGNREGA –PURA - Social Inequality: Caste –Class – Gender - Gandhian Approaches to Rural Development: Micro and Macro Level Planning.			12
II	Rural Development Movements: Peasant Movements during Pre-British - Colonial and Post-Colonial era – Agrarian struggles under Bhoodan and Gramdan movements – Land Reforms- Green Revolution – Strategies and Models Outreach Campaign - Corporate Social Responsibility (CSR); Methods and Techniques, Transfer of Technology Models (ToT).			13
III	Rural Development Policies and Programmes: Poverty Reduction - Self and Wage Employment – Programmes for Basic Minimum Needs and Infrastructure- Programmes for Natural Resource Management – District Agriculture Area Programme, Hilly Area Development Programme, Integrated Watershed Development Programme– Drought Prone area Development Programme – Social Assistance Programme, – Farm and Non-Farm Sector, MSME. Telecommunication support for Rural Development.			13
IV	Efforts on Rural Development in India: Five Year Plans and Rural Development, NIRD, SIRD, Rural Health Mission – Green Revolution - Globalization and Rural Development. Democratic Decentralization – Rural Local Governance – New Panchayth Raj– Decentralized Planning - Cooperatives. Community Based Organizations. Rural Banking and Micro Finance – SHGs - Role of Voluntary Organizations.			13

V	Research in Rural Development: Development Planning: Resource based - Monitoring and Evaluation – Impact Assessment - Extension Technology - Infrastructural Resource Development – Rural Industrialization - Public Private Partnerships (PPPs) - Participatory Research in Rural Development: Individuals and Institutions. Principles of Rural Economic Development, Tools for Rural Economic Analysis.	13
References	• Singh, K., & Shishodia, A. (2021). Rural development – Principles, policies and management (2nd ed.). Sage publications. • Chambers, R. (1998). Poverty in India: Concepts research and reality (Discussion Paper 241). Institute of Development Studies. • Reddy, K. V. (2000). Rural development in India. Himalaya Publishing House. • Boraian, M. P. (Ed.). (2016). Best practices in rural development. Shanlax. • Chandra, S. K., Babu, V. S., & Nath, P. K. (2013). Agrarian crisis in India - The way out. National Institute of Rural Development. • Jain, G. (1998). Rural development. Mangaldeep Publication. • Rajashekhar, D., & Sridhar, G. (2017). Rural development: New dimensions and approaches. Sage Publications. • Sundaram, I. (2018). Rural development in India. Himalaya Publishing House.	
Websites	• www.nird.org.in/ • www.ncri.in • www.rural.nic.in/scheme_websites • www.sk.sagepub.com/books/participatory-rural-appraisal • www.grd.org • www.irdo.org	
Course Outcomes	On completion of the course, students should be able to C01: Identify key concepts, definitions, and the need for rural development in the context of national planning. C02: Evaluate various rural development programs and policies implemented by the government C03: Apply participatory and sustainable development approaches in planning and executing rural development initiatives. C04: Critically examine rural social structure and issues like poverty, unemployment, migration, health, and education in rural contexts. C05: Demonstrate research and fieldwork skills relevant to rural development.	

Course Title & Code	DEMOGRAPHY AND SUSTAINABLE DEVELOPMENT	25ARDC1103	
Programme	Doctor of Philosophy (Ph.D)	Credits	5
Cognitive Level	K-1 Explain the key concepts and Composition of Demography		
	K-2 Interpret demographic data and identify trends in population change.		
	K-3 Compare and critique the assumptions and implications of population theories.		
	K-4 Analyse sustainability and approaches to sustainable		
	K-5 Critically assess challenges in measuring sustainable development in various contexts		
UNIT	Content	No. of Hours	
I	Demography: Concept – Scope of Demography – Demography in other sciences – sources of demography data – Population composition: Age, Gender, Religion, Caste, Education, Language and Income. Population growth and society: Societies in population growth. Population scenario of the world and India.	12	
II	Components of Population Change: Concepts and Measures of Fertility, Mortality, Migration. Causes and Consequences of Change. Migration: types of migration and factors affecting migration. Causes and Consequences of Migration. Urbanisation: causes and consequences of urbanisation. Marriage and Family: Changes in household size, trends and differentials in age at marriage.	13	
III	Population Theories: Malthusian theory of population: Major elements – criticism of Malthusian theory – Importance of Malthusian theory. Optimum theory of population: Statement and explanation of the optimum theory of population – Dalton’s and Sengupta’s formula – merits, demerits and criticism of the optimum theory. Demographic transition Theory of population: Stages, Key points and criticism. Migration theories	13	
IV	Sustainable Development: Concepts, principles and importance of SDGs. Theories of sustainability: systems theory, popular sustainability theory and ideal scientific model – Issues and challenges relating to sustainability. Approaches to sustainable development: Status Quo, Community Capacity Building, Industrial Sector, Integrated Systems, Human Development and Green Account Approach.	13	

V	Measurements and Challenges of Sustainable Development: Measurement tools for sustainable development: Gross National Happiness (GNH), Human Development Index (HDI), Ecological Footprint (EF), and Happy Planet Index (HPI). Indicators of Sustainable Development: Education, Health, Economy, Gender Equality and Zero Hunger. Challenges and Contemporary Issues in Sustainable Development: Diversity and Social Exclusion.	13
References	• Thomas, R. K. (2024). Demography: An introduction to population studies (Springer Texts in Social Sciences). Springer Nature Switzerland. • Carmichael, G. A. (2016). Fundamentals of demographic analysis: Concepts, measures and methods (38) (Springer Series on Demographic Methods and Population Analysis). Springer Nature Switzerland. • Ahlawat, A., Arsu, T., & Rapria, A. (2019). Sustainable development goals: Directive principles for sustainable India by 2030. MyARSu India. • Ebbesson, J., & Hey, E. (Eds.). (2022). The Cambridge handbook of the sustainable development goals and international law. Cambridge University Press. • Kakar, N., Popovski, V., & Robinson, N. A. (2022). Fulfilling the sustainable development goals on a quest for a sustainable world. Routledge Taylor & Francis Group. • Majumdar, P. K. (2010). Fundamentals of demography. Rawat. • Chaurasia, A. R. (2022). Population and sustainable development in India. Rawat Publications. • Ramkumar, R. (2017). Technical demography. New Age International (p) Ltd. • Singh, J. P. (2022). Handbook of Indian demography. Rawat Publications. • Preston, S., Heuveline, P., & Guillot, M. (2000). Demography: Measuring and modelling population processes. Wiley-Blackwell.	
Websites	• https://population.un.org/wpp/ • https://censusindia.gov.in/ • https://worldmigrationreport.iom.int/ • www.irdo.org • https://www.mospi.gov.in/sites/default/files/publication_reports/SDG-NIF-ProgressReport-FullFile-v4N.pdf • https://ecampusontario.pressbooks.pub/sdgintro/ • https://egyankosh.ac.in/bitstream/123456789/10212/1/Unit%201.Image.Marked%20-%201.pdf • https://www.egyankosh.ac.in/bitstream/123456789/103236/1/Unit%205%20Po%20pulation%20Theories.pdf • https://egyankosh.ac.in/bitstream/123456789/21864/1/Unit-30.pdf	
Course Outcomes	On completion of the course, students should be able to CO1: Identify key concepts, population composition in Demography CO2: Evaluate various causes and consequences of social change CO3: Understand the elements of theories of population CO4: Critically examine approaches to Sustainable development. CO5: Demonstrate measurement and challenges of Sustainable development.	

Course Title & Code	RURAL ENVIRONMENT AND QUALITY OF LIFE	25ARDC1104	
Programme	Doctor of Philosophy (Ph.D)	Credits	5
Cognitive Level	K-1 Create awareness on environment and quality of life of people in rural areas		
	K-2 Acquire knowledge on the impact of environment on various dimensions of quality of life		
	K-3 Enhance the capacity to apply various methods and strategies to preserve environmental resources		
	K-4 Develop the conceptual knowledge on macro and micro level development		
	K-5 Analyze the capability on making studies on Rural environment and Quality of life		
UNIT	Content	No. of Hours	
I	Rural Environment: Concepts and theories - Environmental Pollution: Air – Water – Soil – Nuclear - Solid waste - Biomedical waste – Sanitation - e-waste – Sources, impact and control mechanisms - Environmental Ethics - Global Warming - Climate Change - Ozone Depletion - Acid Rain – Cloud Bursting - Eco-friendly environmental practices - Waste Management, Energy Practices and Agricultural Practices.	12	
II	Environmental Issues and Strategies: Degradation, deforestation and soil erosion; extinction of flora and fauna. Environmental Management: conservation, protection and restoration of environmental resources: Role of community, PRIs and Environmental Protection Acts. Economic Growth and Economic development. Inequalities & Unemployment – Concepts and measurement.	13	
III	Environment and Quality of Life: Concept, Impact Assessment- Steps and application, Dimensions of Quality of Life. National Housing and Habitat policy- Schemes of housing policy, Indira Awaas Yojana, . Health Promotion, Disease Prevention. Factors Contributing to Health Behaviour Change.	13	
IV	Environment and Development: Concept, principles, models. Rights Based Approach for development and Developmental Planning- Macro and Micro level. Sustainable Development Goals (SDGs), - its status, strategies, community intervention.	13	

V	Research on Environment and Quality of Life: Interdisciplinary research studies in rural environment and quality of life. Identification, promoting research in environmental problems – Trends and issues. National and International policies and programmes on environment and quality of life.	13
References	• Sudhir, & Masillamani, A. (2003). Environmental issues. Reliance Publishing House. • Joseph, B. (2017). Environmental studies (3rd ed.). McGraw Hill Education (India). • Gill, M. S., & Kewlani, J. (2009). Environmental conscience socio-legal and judicial paradigm. Concept Publishing Company. • Ghosh, S. B. (2009). Scientific approach to environment. Ritu Publications. • Perumal, M., Veerasekaran, R., Suresh, M., & Asaithambi, M. (2008). Environmental and ecological issues in India. Abhijeet Publications. • Pandian, K. L. (2009). Global environmental problems. ALP Books. • Singh, S. K., & Singh, S. (2008). Environmental education and pollution control. Arish Publishers & Distributors. • Pruthi, R. K. (2005). Towards sustainable development. Rajat Publications.	
Websites	• www.epa.gov/environmental-topics/z-index • http://guides.libraries.psu.edu/environment • https://www.journals.elsevier.com/environmental-research • https://www.prb.org/ • https://censusindia.gov.in/census.website/node/180 • https://www.mospi.gov.in/93-health-and-family-welfare-statistics	
Course Outcomes	On completion of the course, students should be able to C01: Acquire knowledge about the various aspects of rural environment and quality of life C02: Gain knowledge about the rural environment issues and problems and its influence on quality of life C03: Undertake research on rural environment and quality of life C04: Critically examine approaches to Quality of life in Rural environment C05: Demonstrate research and fieldwork skills relevant to Interdisciplinary rural development studies	

Course Title & Code	SOCIAL WORK INTERVENTIONS		25ARDC1105	
Programme	Doctor of Philosophy (Ph.D)		Credits	5
Cognitive Level	K-1 Understanding the basics of Social work intervention			
	K-2 Imparting different aspects of Social work intervention on practice			
	K-3 Developing skill in Social work intervention			
	K-4 Critically examine on evolution of Social Policy in India			
	K-5 Analyze how social legislations as an instrument of social change			
UNIT	Content			No. of Hours
I	Social Work Profession: Evolution, Impact of Social Reform Movements: Social work profession, Philosophy and Principles of Social Work and their application. System Approach to Social Work Practice; Role of Social Work in the Remedial, Preventive and Developmental Models; Integrated Approach to Social Work Practice, Social Work Education in India; Intervention in Social Problems – Government and Voluntary Efforts at Micro and Macro-levels.			12
II	Primary Methods of Social work: Case Work- objectives, Principles, Process. Approaches in Case work- Psychoanalytical, Psycho-social, Problem Solving, Behaviour Modification, Crisis Intervention, Eclectic Approach. Group work- Assumptions, and Goals of Group Work. Principles, Skills, Values of Social Group Work and Group Process. Leadership, Approaches and Models in Group Work Practice - Therapeutic/Social Treatment. Development Group and Task - oriented Group.			13
III	Secondary Methods of Social work: Community Organization - Principles and Objectives, Approaches and Strategies and Role of Social Worker. Social Action - Purpose and Techniques; Networking, Conscientisation and Strategies of social movements – Types and Roles of NGOs - Social Work Research - Scope and Dimension, Types - Emancipatory, gender based, intervention and empowerment			13
IV	Evolution of Social Policy in India: Review of Major Policies and Programmes, viz., Education, Health, Shelter, Environment, social Security, Employment, Family, Child, Women and Youth Welfare, welfare of the Weaker Sections, Elderly and Disabled. Characteristics of Social Welfare Organizations – Size, Nature, Design, Legal Status – Identifying overall and Specific Needs, Monitoring and Evaluation, Recording and Accountability.			13

V	Issues of Social Justice: Its relationship with Social Legislation; Civil Rights; Human Rights. Legislations pertaining to Women and Children, Social Defense, Social Security and people with Disability, the Underprivileged and Health related Legislations. Social Development Indicators, Approaches and Strategies – Quality of Life; Concept of Sustainable Development. Agencies promoting social Development in India.	13
References	• Dominelli, L. (2019). Social work: Theory and practice (5th ed.). Polity Press. • Subheden. (2001). Field work training in social work. Rawat Publication. • Tata Institute of Social Science. (2000). Fieldworks manual for first year social work. TISS. • Kumar, J. J. (2002). Practice of social work. Anmol Publications Pvt, Ltd. • Desai, M. (2000). Curriculum development on history of ideologies for social change and social work. Social work Education and Practice Cell. • Patel, C. (1999). Social work practice, religion philosophical foundation. Rawat Publication. • Germain, C. B., & Gitterman, A. (2018). The life model of social work practice: Advances in theory and practice (4th ed.). Columbia University Press. • Banks, S. (2016). Ethics and values in social work (5th ed.). Palgrave Macmillan. • Misra, P. D. (1994). Social work-philosophy and methods. Inter-India Publications. • Pincus, A., & Minahan, A. (1978). Social work practice: Model & method. Peacock Publishers.	
Websites	• https://socialworkexam.com/audio-study-material • http://ifsw.org/ • http://ispsw.in/ • http://socialjustice.nic.in/ • https://www.india.gov.in/people-groups/community/social-workers • http://shodhganga.inflibnet.ac.in/bitstream/10603/44576/13/13_chapter%206.pdf	
Course Outcomes	On completion of the course, students should be able to C01: Develop expertise and skills to undertake social work intervention C02: Construct various approaches and policies in intervention C03: Understand skills and ethics related issues in social work methods C04: Apply of social work methods in various setting C05: Prepare research article related with Social work intervention	

Course Title & Code	INFORMATION TECHNOLOGY ENABLED MANAGEMENT	25ARDC1106	
Programme	Doctor of Philosophy (Ph.D)	Credits	5
Cognitive Level	K-1 Understand about Information Technology and Information Systems, Functional Information systems		
	K-2 Familiarize about Disaster management, data mining and Cloud computing		
	K-3 Comprehend the basic components on Basic Database Management System		
	K-4 Explain security, control and reporting in information system		
	K-5 Learn how to perform IT enabled Management Research		
UNIT	Content		No. of Hours
I	Introduction: Data – Information – Intelligence - Information Technology Enabled Management - Information System: Evolution – Types - Based on functions and hierarchy- Functional Information Systems: Decision Supportive System (DSS) - Executive Information System (EIS) – Knowledge Management System (KMS) – Geo Informatics System (GIS) - International Information System (IIS). Satellite Communication support for Rural Development.		12
II	Systems Analysis and Design: Systems Development Methodologies - Systems Analysis and Design Tools: System Flow Chart - Decision Table - Data Flow Diagram (DFD) - Entity Relationship (ER) Model - Object oriented Analysis and Design - Unified Modeling Language (UML) and diagram.		13
III	Database Management Systems: Data Base Management System (DBMS) – Hierarchical Data Base Management System (HDBMS) – Network Data Base Management System (NDBMS) – Relational Data Base Management System (RDBMS) – Object – Oriented Data Base Management System (OODBMS) - Query Processing – Structured Query Language (SQL) - Concurrency Management - Data warehousing and Data Mart.		13
IV	Security, Control and Reporting: Security Testing -Error Detection – Controls -Information System (IS) Vulnerability - Disaster Management - Cyber crimes- Securing the Web - Intranets and Wireless Networks - Software Audit - Ethics in Information Technology enabled Management - User Interface and Reporting.		13

v	IT enabled Management Research: Role of Information Management Research: Enterprise Resource Planning (ERP) - e-business - e-governance – Business Analytics - Data Mining - Business Intelligence - Pervasive Computing - Cloud computing – Capability Maturity Model (CMM). ICT Enabled system for Research.	13
References	• Schultheis, R. A., & Summer, M. (2014). Management information systems: The manager's view (8th ed.). McGraw Hill. • Laudon, K. C., & Laudon, J. P. (2023). Management information systems: Managing the digital firm (17th ed.). Pearson Education. • Davis, G. B. (2006). Management information system: Conceptual foundations, structure and development (7th ed.). Tata McGraw Hill. • Haag, S., Cummings, M., & Phillips, A. (2017). Management information systems for the information age (10th ed.). McGraw Hill. • Turban, E., Pollard, C., & DeHayes, G. P. (2020). Information technology for management: Digital strategies for insight, action, and sustainable performance (12th ed.). Wiley. • McLeod, R., Jr., & Schell, G. P. (2019). Management information systems (13th ed.). Pearson Education. • O'Brien, J. A., & Marakas, G. M. (2013). Management information systems (10th ed.). McGraw Hill. • Schou, C., & Shoemaker, D. (2007). Information assurance for the enterprise – A roadmap to information security. Tata McGraw Hill. • Gallegor, F., Senft, S. E., & Gonzales, C. A. (2018). Information technology control and audit (6th ed.). CRC Press.	
Websites	• www.shrm.org • www.shrmindia.org • www.ipma-hr.org • www.ahrd.org • www.quickmba.com • www.mindtools.com • www.studygs.net	
Course Outcomes	On completion of the course, students should be able to C01: Develop expertise and skills to undertake System Analysis and Management C02: Identify the various sources for Data Base Managements for the research C03: Know the various tools of System Analysis and Designs C04: Got complete knowledge about Security, Control and Reporting C05: Prepare innovative research article related with IT enabled Management	