

CENTRE FOR FUTURES STUDIES

Ph.D. FUTURES STUDIES

**COURSE WORK
SYLLABUS**



**GANDHIGRAM RURAL INSTITUTE – DEEMED TO BE UNIVERSITY
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CENTRE FOR FUTURES STUDIES
Ph.D. COURSE WORK

Paper Code	Course Title	Credits	Lecture Hours	Exam Hours	ESE	TOTAL
21FUR0101	Research Methodology	4	4	3	100	100
21FUR0102	Introduction to Futures Studies	4	4	3	100	100
21FUR01SX	Area of Specialization on Thrust Area	4	4	3	100	100
	Research And Publication Ethics	2	2	3	100	100
TOTAL		14				

***List of Area of Specialization on Thrust Areas**

- Human Resource Management
- Environmental Studies
- Sustainable Development
- Sociology

***Detailed Syllabus for Area of Specialization may be prepared by the respective Doctoral Committee**

PAPER - I
RESEARCH METHODOLOGY
(Course Code - 21FUR0101)

LEARNING OBJECTIVES

Credits 4

- To develop scientific skills and expertise in formulating problem for research
- To evolve research designs, and use of methods and techniques in conducting research, and
- To develop professional skill in writing a research report

OUTCOMES

The scholars will be able to

- Identify and formulate a problem for research
- Prepare a suitable research design for carrying out the research
- Choose appropriate tools and techniques for data collection
- Professionally drawing of inferences
- Prepare research report and disseminate research findings

UNIT – 1: INTRODUCTION

Scientific 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 Paradigms and Ethics in Research.

UNIT - 2: RESEARCH PROCESS

Identification, Selection and Formulation of problem, Sources and criterion for selection; Review of literature and Summarizing, Conceptual Model; Objectives, Hypothesis formulation, Variables and its types

UNIT - 3: RESEARCH DESIGNS AND METHODS

Experimental, explorative, descriptive and historical research; Diagnostic and Evaluation studies, Qualitative and Quantitative studies, Trend and Futuristic studies, Ethnography, Grounded Theory, Mixed Methods.

UNIT - 4: SAMPLING TECHNIQUES AND DATA COLLECTION

Sampling and Sample Designs: Census Vs Sample Methods – Laws of Sampling - Methods of Sampling - Sample Size; Sampling and Non Sampling Errors; Reliability of

Samples; Data – Primary and Secondary data – Data Collection Tools, Content Analysis
Psychological tests and Scaling Techniques –Pre-test, Test of Validity and Reliability

UNIT - 5: DATA INTERPRETATION AND REPORT WRITING

Data processing – Scoring, Categorization and Coding – Draw of inferences and interpretation. Research Report –Steps in writing Research Report, Types of reports, Format of a research report; Bibliography, Webliography, Style of writing; Plagiarism check– Evaluation of a research report; Dissemination of research findings- Presentation and Publication.

REFERENCES

TEXT BOOKS

- Bridget Somekh and Cathy Lewin, Theory and Methods in Social Science Research, New Delhi: Sage Publication, 2012
- Creswell, John.W. Research Design: Qualitative, Quantitative, and Mixed Method Approaches (4th ed). Thousand Oaks, CA: Sage, 2014.
- DebasisChakraborty, Research Methodology, New Delhi: Sourath Publishing House, 2012
- Deepak Chawala and NeenaSandhi , Research Methodology: Concept of Cases, New Delhi: Vikas Publication House Pvt Ltd, 2011
- Kenneth's Barden and Bruce B.Abbott, Research Design: Qualitative and Quantitative Approaches, Tata MaGrewHill Education Pvt, New Delhi, 2011.
- Kothari.C.R, Research Methodology (Methods & Techniques), New Delhi: New Age International (3rd ed), 2014.
- Kundra S., Reporting Methods, New Delhi: Anmol Publications Pvt. Ltd., 2005.

JOURNALS

- International Journal of Applied Research
- Journal for Extension and Research
- Journal of Social Science Research
- Journal of International Development

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/>

PAPER - II
INTRODUCTION TO FUTURES STUDIES
(Course Code - 21FUR0102)

LEARNING OBJECTIVES

Credits: 4

- To obtain an overview of the rationale and motivation for the study of the future, its place in the social sciences and how it relates to solving social problems
- To become familiar with major futurist scholars, researchers and practitioners
- To understand the socio-cultural change, their causes and implications
- To learn to identify trends, emerging issues and their implications for the future
- To identify, analyze and generate forecasts and alternative future scenarios

OUTCOMES

The scholars will be able

- To use their knowledge and skills to influence the future by exploring probable and preferred futures.
- To understand the dynamics and influence that human, social and ecological systems have on alternative futures.
- To identify trends, emerging issues and their implications for the future
- To understand the socio-cultural change, their causes and implications

UNIT – I INTRODUCTION

Introduction to the study of the future - the history of the futurist movement - Need for Futures Studies – Importance of Futures Studies - future trends and issues - the impact of the future on the family – on the individual and lifestyles - How future oriented thinking can assist community organizations in forecasting and planning - Ethics in Futures Studies

UNIT – II SOCIO CULTURAL CHANGE

Social Groups and Society - Social Structure - Social Stratification - Social Processes - Social Change - Types - Causes and Consequences - Processes of Social Change: Characteristic Features of Industrialization, Modernization, Globalization and Secularization - Social Systems - Sustainability – Culture - Definition and Nature – Types- Material and Non- Material - Trends and Processes of Change

UNIT – III FORECASTING

Social Transformation, Movements, & Disruption - Social and Strategic Foresight - Forecasting: Future Scenarios, Alternative Futures - Forecasting: Science Fiction and Literature - Forecasting: Statistics and Projections

UNIT – IV

STRATEGIC PLANNING

Strategy – meaning – importance of strategic planning - Preferred Futures: Visions of the Future - Preferred Futures and Normative Futures – Mission - Goals – Objectives –Steps in strategic planning process - Understanding Alternative Methods for Strategic Planning – Future Strategy - Scope of futures study methodologies used in strategic planning -Intersections of strategic management, strategic planning and futures methodology

UNIT- V

FUTURIST

Futurist – Meaning – Types – Role of futurist - Personal Futures and Our Collective Future - study about future generation – Experiencing the Needs of Future Generations - Urgent requests from the future –Factors influencing the Future - Leadership for the Future – Managing the future –Ways to protect the future – Role of futurists in sustainable Development - Future Implications of Change

REFERENCES

- Aaltonen, Mika. (2009). Evaluation and organization of futures research methodology. In Glenn, Jerome C. & Theodore J. Gordon. (Eds.), Futures research methodology (Version 3.0). Washington, DC: The Millennium Project. Chapter 39, Appendix.
- Edmunds, S.W. (1982), "THE ROLE OF FUTURES STUDIES IN BUSINESS STRATEGIC PLANNING", Journal of Business Strategy, Vol. 3 No. 2, pp. 40-46.
- Glenn, Jerome C. (2009). Introduction to the Futures Research Methods Series. In Glenn, Jerome C. & Gordon, Theodore J. (Eds.), Futures Research Methodology (Version 3.0). Washington, DC: The Millennium Project.

WEBSITES

- <https://doi.org/10.1108/eb038965>
- www.tofflerassociates.com › foresight-for-strategic-plan
- jfsdigital.org › wp-content › uploads › 2014/01

PAPER - IV
RESEARCH AND PUBLICATION ETHICS

(As per UGC Recommendation)

COURSE OBJECTIVES

Credits - 2

At the end of this course the learner is expected:

- To understand the philosophy of science and ethics, research integrity and publication ethics.
- To identify research misconduct and predatory publications.
- To understand indexing and citation databases, open access publications, research metrics (citations, h-index, impact Factor, etc.).
- To understand the usage of plagiarism tools.

Outcomes

The scholars will be able

- At the end of the course the student will have awareness about the publication ethics and publication misconducts

UNIT I: PHILOSOPHY AND ETHICS

Introduction to philosophy: definition, nature and scope, concept, branches - Ethics: definition, moral philosophy, nature of moral judgements and reactions.

UNIT II: SCIENTIFIC CONDUCT

Ethics with respect to science and research - Intellectual honesty and research integrity - Scientific misconducts: Falsification, Fabrication and Plagiarism (FFP) - Redundant Publications: duplicate and overlapping publications, salami slicing - Selective reporting and misrepresentation of data.

UNIT III: PUBLICATION ETHICS

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 behaviour and vice versa, types - Violation of publication ethics, authorship and contributor ship - Identification of publication misconduct, complaints and appeals - Predatory publisher and journals.

UNIT IV: OPEN ACCESS PUBLISHING

Open access publications 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.

UNIT V: PUBLICATION MISCONDUCT

Group Discussion (2 Hrs.) : a) Subject specific ethical issues, FFP, authorship b) Conflicts of interest c) Complaints and appeals: examples and fraud from India and abroad
Software tools (2 Hrs.) : Use of plagiarism software like Turnitin, Urkund and other open source software tools.

UNIT VI: DATABASES AND RESEARCH METRICS

Databases : Indexing databases, Citation databases: Web of Science, Scopus, etc.
Research Metrics (3 Hrs.): Impact Factor of journal as per Journal Citations Report, SNIP, SJR, IPP, Cite Score - Metrics: h-index, g index, i10 Index, altmetrics.

Outcomes

- At the end of the course the student will have awareness about the publication ethics and publication misconducts

(*Units 1,2 and 3 are to be covered via Theory mode and Units 4,5 and 6 are to be covered via practice mode)

REFERENCES

1. Nicholas H. Steneck. Introduction to the Responsible Conduct of Research. Office of Research Integrity. 2007. Available at: <https://ori.hhs.gov/sites/default/files/rcrintro.pdf>
2. The Student's Guide to Research Ethics By Paul Oliver Open University Press, 2003
3. Responsible Conduct of Research By Adil E. Shamoo; David B. Resnik Oxford University Press, 2003
4. Ethics in Science Education, Research and Governance Edited by Kambadur Muralidhar, Amit Ghosh Ashok Kumar Singhvi. Indian National Science Academy, 2019. ISBN : 978-81-939482-1-7.
5. Anderson B.H., Dursaton, and Poole M.: Thesis and assignment writing, Wiley Eastern 1997.
6. Bjorn Gustavii: How to write and illustrate scientific papers? Cambridge University Press.
7. Bordens K.S. and Abbott, B.b.: Research Design and Methods, Mc Graw Hill, 2008.
8. Graziano, A., M., and Raulin, M.,L.: Research Methods – A Process of Inquiry, Sixth Edition, Pearson, 2007.