

સુચિત સુચિત નં. 18/10/2022
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Syllabus

**Master of Library & Information Science (Ph.D)
(Contain Course Work Syllabus)**

**Department of Library & Information
Science**

**Implemented from Academic year 2022-
2023**

**Veer Narmad South Gujarat University,
Surat**

**Udhna Magdalla Road,
Surat – 395007, Gujarat (India)**

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Paper- I Research Methodology

Course Code	501
Course Title	Research Methodology
Credit	4
Total Teaching hours	60 Hrs.
Purpose of Course	To make students familiar with the use of research methods for research work.
Course Objective	To understand and articulate the role and importance of research in Library and Information Science. To introduce the different methods and techniques of research. To develop research reporting skills. To identify and discuss ethical issues related to research.
Course Outcomes	CO1: To familiarise students with use of research methods and statistical techniques. CO2: To make students understand how to provide research information. CO3: To acquaint students with Knowledge research work.

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Department of Library and Information Science

Veer Narmad South Gujarat University, Surat

Ph.D

Course (Subject): 501 : Research Methodology

501	Research Methodology	Total 60 hrs
UNIT 1	NATURE AND SCOPE SOCIAL SCIENCE RESEARCH Nature and scope of Social Science research, Types of research, Steps of research process, Criteria in Social Research, Research Design, Review of Literature	15 hrs
UNIT 2	TYPE OF DATA AND SCALE OF MEASUREMENTS Types of Data: Primary and Secondary Data, Source of Secondary data in India, Cross sectional data, Time series data, Panel data, Quantitative data and Qualitative data, Scale of Measurement: Ratio scale, Interval scale, Nominal scale, Ordinal scale (Likert scale)- Methods for primary data collection: Interview methods (personal interview, long interview, in-depth interview), Observation method (Direct observation, Indirect observation), Group discussion (focus group, peer group) method, Questionnaire method (Steps for preparing questionnaire)	15 hrs
UNIT 3	SAMPLING TECHNIQUES & WRITING A RESEARCH REPORT Population and sample, Probabilistic sample: (a) Simple random sample (b) Systematic random sample (c) Stratified sample (d) Cluster sample (e) Multistage cluster, Non-probabilistic sample: (a) Quota sample (b) Convenience sample (c) Judgmental sample (d) Snow-ball sample, Steps of writing a good research report, Writing a research proposal, Preparing a bibliography (APA style and MLA style): Citation, foot-note, end-note	15 hrs
UNIT 4	Statistical Analysis and various software use like Excel & SPSS Meaning and definition of statistics, use of statistics, Limitation of statistics - Data, Frequency Distribution, Measures of Central Tendency: Mean Median, Mode - Dispersion and Skewness-Frequency Distribution - Descriptive Statistics including measures of central tendency and dispersion - Cross table and Chi-Square Test - t-test - One sample t-test - Independent sample t-test - Paired sample t-test - Correlation and Regression	15 hrs

References:

- 1) Ahuja Ram (2001), Research Methods; Rawat Publications, Jaipur.
- 2) Beri G.C. (2004), Marketing Research (3rd Ed.); Tata McGraw-Hill Publishing Company Ltd, New Delhi.
- 3) Bryman Alan (2012), Social Research Methods (4th Ed), Oxford University, Press, New York
- 4) Bryman Alan; Bell Emma (2007), Business Research Methods (2nd Ed.); Oxford University Press, New York.
- 5) Cauvery R & Sudha Nayak U.K. (2005), Research Methodology; S.Chand & Company Ltd., New Delhi.
- 6) Cooper Donald R; Schindler Pamela S.(2003), Business Research Methods (8th Ed.); Tata McGraw-Hill Publication, New Delhi.
- 7) Desai Haribhai G and Desai Krushnkant G (2013) *Sansodhan Paddhatio ane Pravidhhio*, University Granth Nirman Board, Ahmedabad
- 8) Kothari C.R. (2004), Research Methodology: Methods & Techniques (2nd Ed.); New Age International Pvt. Ltd, New Delhi.
- 9) Kumar Ranjit (2008), Research Methodology- A Step by Step Guide for Beginners, Pearson Education, New Delhi
- 10) Nargundkar Rajendra (2010), Marketing Research (3rd Ed.); Tata McGraw Hill Education Pvt. Ltd, New Delhi.
- 11) Panneerselvam R. (2010), Research Methodology (8th Ed.); Prentice-Hall of India Pvt. Ltd, New Delhi.
- 12) Popper, K.R. (1959), The Logic of Scientific Discovery, New York, NY: Basic Books.
- 13) Popper, K.R. (1972) Objective Knowledge, Oxford, U.K.: Clarendon.
- 14) Sekaran Uma (2006), Research Methods for Business; Wiley India Pvt. Ltd, New Delhi.
- 15) Shah A G and Dave J K (2007), *Samajik Sansodhan Padhhatio* (Social Research Methods), Anada Prakashan, Ahmedabad
- 16) Shajahan.S. (2006), Research Methods for Management, 3rd Ed.; Jaico Publishing House, Mumbai.
- 17) Sharma K.R (2002), Research Methodology; National Publishing House, Jaipur.
- 18) Shukla Gajendra B and Naik R K (2013), *Sansodhan Paddhatio* (Research Methodology), Popular Prakashan Surat
- 19) Tripathi P.C.(2003), A Textbook of Research Methodology in social sciences (4th Ed.); Sultan Chand & Sons, New Delhi.
- 20) Uchat D A (2012), *Shikshan ane Samajik Vigyanoma Sansodhannu Paddhatishastra* (Research Methodology in Education and Social Sciences), Paras Prakashan, Rajkot
- 21) William M.K. (2003), Research Methodology (2nd Ed.); Biztantra, New Delhi.
- 22) Zikmund William G. (2004), Business Research Methods (7th Ed.); Thomson Asia Pvt. Ltd, Singapore.

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Paper- II Library and Information Science : Research and Ethics

Objectives of the course:

- To understand about the Philosophy and Ethics of research
- To understand about the Publication ethics
- To understand details about Open Access Publishing and resources
- To find out the different types Databases and Research Metrics.
- To get Knowledge about Professionalism and professional ethics.

Course Content:

Unit-1 Philosophy and Ethics

- Introduction to philosophy : Definition, Nature and Scope, Concept, Branches
- Ethics: Definition , Moral philosophy, Nature of Moral Judgments and Reactions
- Professional Education and Research

Unit-2 Publication Ethics

- Publication Ethics : Definition, Introduction and Importance
- Publication Misconduct: Definition, Concept, Types, Problems that Lead to Unethical Behavior and Vice-versa
- Violation of Publication Ethics, Authorship and Contributor ship
- Conflicts of Interests
- IPR and Legal issues - categories, Conventions, Treaties, Laws
- Plagiarism : Concept and Types

Unit-3 Open Access Publishing and resources

- Electronic Publishing, E Learning, Basic of E- resources, types, features, advantages and limitations.
- Pen Access Publications and Initiatives
- Open access initiative and institutional Repository
- Open Access electronic resources
- Open Access educational resources
- E-Resource Management

Unit-4 Databases and Research Metrics

- Web search using search engines , advance searching Techniques.
- Databases Search - Do AJ,JSTOR, J-Gate, Emerald, Science Directetc.
- Citation Tools for research : Web of Science, Scopus etc.
- Peerreview , Referd Journal
- Impact Factor of Journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
- Metrics: h-index, g-index, i 10 index, Altmetrics

Recommended Books:

- Chaddah, P. (2018) . Ethics in competitive Research : Do not get scooped, Do not Get Plagiarised ISBN: 978-9387480865. Available at http://www.researchgate.net/publication/331470963_Ethics_in_Cometitive_Research_do_not_get_scooped_do_not_get_plagiarized
- Beall, J. (2012) . Predatory Publishers are Corrupting open access, Nature, 489(7415), 179. <http://doi.org/10.1038/489179a>
- Bird, A.(2006) . philosophy of Science . Routledge.
- Macintyre, Alasdair. (1967). A short History of ethics. London
- National Academy of sciences, National Academy of Engineering and institute of medicine. (2009) on Being a scientist: A Guide to Responsible Conduct in Research (3rd ed). National Academies Press. DOI : 10.17226/12192
- Resnik D.B. (2011) What is Ethics in Research & why is it Important ? National Institute of Environmental Health Sciences. Retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>
- Indian National Science Academy (INSA).(2019) . Ethics in Science Education, Research and Governance . ISBN: 978-81-939482-1-7

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Paper-III Emerging Trends in Library and Information Science

Objectives of the course:

- To understand about the development of libraries in ICT era.
- To understand about the Digital library.
- To understand details about electronic resources with respect to online services & , institutional repositories.

Course Content :

Unit-1 Development of Libraries

- Development of libraries with Special reference to India
- Role of UGC, Role of NAAC
- Different types of Libraries - Their distinguishing features, function, services
- Laws of Library Science in ICT environment, Information services: concept, definition, need, Alerting services : Computerized CAS and SDI
- Conservation and preservation : Concept, need; Different types of information materials - their nature and preservation ; Archives - micrographic relation to preservation

Unit-2 Digital Libraries and Institutional Repositories

- Digital Library - Genesis, Definition, Objectives and Scope
- Digitization Process: Input Capture Devices
- Digital Library Software : Greenstone and Dspace
- Metadata : Type, Dublin Core
- Institutional Repositories : Concept , Need

Unit-3 Electronic Resources

- Electronic Resources-Concept, Features, Characteristics
- Type Of Electronic Resources
- Collection Development Of Electronic Resources
- Access Channels For Electronic Resources
- Information literacy : Concept, Definition, Need
- ACRL Standards for information Literacy
- Information Literacy Model

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Unit-4 Using the Online Services

- Databases of electronic theses (like shodh Ganga) , institutional repositories,
- Open e-archives, web-scale discovery services
- Digital Libraries, Video archives, etc.
- Tagging and micro-blogging, RSS Feeds

Recommended Books:

- Kumar,S. (s.n). Public Libraries act in india. New Delhi: Ess Ess.
- Kumar, P.S.G. 2014 Changing Dimensions of library and Information Science. New Delhi : Ess Ess.
- Ranganathan , S.R. 2008. Library Mannual . New Delhi: Ess Ess.
- Ramaiah, L.S. 1999 , Information and society. New Delhi : Ess Ess.
- Kumar, Krishna. 2013. Library Organisation . Krishna Kumar. Noida : Vikas Publishing house Pvt. Ltd.
- Fenner, Audrey (ed.). (2005). Managing Digital Resources in Libraries. New york: Haworth.
- Lesk, Michael. (1996). Understanding Digital Libraries. 2nd. san Francisco: Morgan Kaufman.
- Srivastava, M.D.(2011). Metadata Creation in Digital Libraries. New Delhi: Pacific
- Sul H.Lee (1999). Collection Development in the Electronic Environment : Shifting Priorities. Haworth Press.
- Agarwal, S.S. (1986) Library and Information science Education in India In: Gupta, P.K. AND Pawan, Usha (EDS.) Library and Information Science. Jaipur, RBSA Pub.



Notes :

Assessment will be done on the basis of seminar, term paper, review of literature and presentations. Assessment will also be done through seen/ unseen tests.

The entire course work of Ph.D programs will be done through lectures, self- study, seminars, assignment, library Work, training programme and presentations.

Passing Criteria :

1. Students shall secure a minimum of 50% marks separately in each paper or a course to pass out from 100 marks. The distribution 100 marks in each paper are as follow:

Assignment (10 Marks)	Seminar (10 Marks)	Lectures (10 Marks)	Self study (Review of literature) (20 Marks)	Seen / Unseen examination (50 Marks)
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2. If students fail to secure 50% marks in each paper he/she has to repeat coursework in concern paper.
3. The Course will be offered during regular days/ Sunday's / holiday depends upon the convenience of resource person.

