

MANGALORE UNIVERSITY

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

SYLLABUS FOR COURSE WORK FOR PH.D. IN LIBRARY AND INFORMATION SCIENCE

Eligibility for Admission: Holders of Master Degree in Library and Information Science or its Equivalent

Course s	Particulars	Hours of Instruction per week	Duration of Examination (hrs)	Marks			Credits
				IA	Theory	Total	
Course 1	Research Methodology	4	3	30	70	100	4
Course 2	Review of Literature	16	-	-	-	150	8
	Review Report						
	Viva	-	-	-	-	50	2
							14

PAPER – I : RESEARCH METHODOLOGY

Course Objectives:

- To familiarize research scholar about the need, purpose and types of research and barrier to research.
- To study research design and formulation of hypotheses.
- To know the research techniques and tools.
- To understand the different types of research methods and techniques.
- To familiarize research students with the fundamentals of Informetrics and Scientometrics.
- To understand the data analysis using SPSS.
- To develop the skills of report writing.

- Unit 1** : Research: Meaning, Definition Need and Purpose, Types of research, Barriers to research. **08hrs**
- Unit 2** : Research Design: Identification, selection and formulation of a research problem
Hypothesis: Meaning, Definitions, Types, Formulation and Testing of hypothesis
Research design: Definition, Types and their characteristics, Preparation of a research proposal. **08hrs**
- Unit 3** : Research Methods: Scientific methods, Historical method, Descriptive method, Survey method, Case Study method, Experimental method, Delphi method, Content analysis and Informetrics and Scientometrics. **08hrs**

- Unit 4** : Research Techniques Tools and Sampling: Questionnaire, Schedules, Interview, Observation, Scales and Checklists, Library records and reports, Concept of study population and Sampling, Need for sampling, Types of sampling-Random and Non-random sampling techniques, Sample Bias and error. **08hrs**
- Unit 5** : Data Analysis and Interpretation: Descriptive analysis, inferential analysis, Data processing and analysis using SPSS, Interpretation of data including statistical testing of hypothesis using parametric and non-parametric measures. **08hrs**
- Unit 6** : Research Reporting and Evaluation: Structure, Style and Contents, Guidelines for reporting Style manuals-Chicago, MLA, APA, e-citation, Criteria for evaluation of research report. **08hrs**
- Unit 7** : LIS research: Overview, Trends, ethical issues, LIS Research in India: Problems and Prospects. **08hrs**

References:

1. Busha, CH & Harter, SP: Research Methods in Librarianship: Techniques and Interpretation, New York Academic 1980.
2. Mohsin , SM: Research Methods in behavioural Sciences ,Kolkatta Orient Longman, 1984.
3. Sharma , RN & Sharma, RK: Research methods in Social Sciences, Bombay, Media Promoters & Publishers Pvt. Ltd., 1987.
4. Sing, Sadhu: Research Methodology in Social Sciences, Bombay, Himalaya Publishing House, 1980.
5. Stevens , RE . Ed: Research Methods in Librarianship, London, Bingley 1971.
6. Wilson , EB: Introduction to scientific Research , New Delhi, Mc- Graw Hill, 1952.
7. Young, PV: Scientific Social Surveys and research, Ed 4, New Delhi, Prentice Hall, 1982.
8. Charles, H. etal.: Research methods in librarianship: Techniques and interpretations, New Delhi: Sage, 1993.
9. Fowler, F.J.: Survey research methods. New Delhi: Sage, 1993.
10. Goode, W.J. and Hatt, P.K.: Methods in social Science research. New Delhi: McGraw Hill, 1986.
11. Krishan Kumar: Research methods in Library and Information Science. New Delhi: Vikas,1992.
12. Krishnaswami, O.R.: Methodology of Research in Social Sciences. Bombay, Himalaya, 1993.
13. Leddy, P. D.: Practical research: Planning design. London: Clive-Bingley, 1980.
14. Line, M.B.: Library surveys, London: Clive Bingley, 1967.
15. Nicholas D. and Ritchil, M.: Literature and bibliometrics. London: Clive Bingley, 1979.
16. Ravichandra Rao, I.K.: Quantitative methods for Library and Information Science. New Delhi: Wiley Eastern, 1985.
17. Slater, M.: Research methods in Library and Information studies. London: L.A., 1990.

Course Outcome (CO):

- CO1 Familiar with theory and practice of research and its methodology.
- CO2 Familiar with identifying research problems and doing subject literature research.
- CO3 Aware of developing research design, sample size and research instrument for data collection.
- CO4 Understanding the mode of data collection and data analysis
- CO5 Have adequate knowledge on statistical tools and techniques for data analysis and interpretation of research findings.
- CO6 Awareness of methods of presenting and reporting research findings.
- CO7 Knowing fundamentals of Informetrics and Scientometrics.