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

Courses	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 Review Report	16	-	-	-	150	8
	Viva	-	-	-	-	50	2
							14

PAPER – I : <u>RESEARCH METHODOLOGY</u>

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.