Department of Library and Information Science
Maharaja Bir Bikram University

PhD Course Work syllabus structure of the Department of Library and Information Science, MBB University

(with effect from 2021-2022)

Course Code	Course Title	Credit	Full marks
LIS-501	*Research methodology - I*	4	100
LIS-502	*Research methodology - II*	4	100
LIS-503	*Knowledge Structure and LIS trends*	4	100
LIS-504	*Advanced Research in LIS*	4	100
LIS-505	*Application and Digital Library*	4	100
LIS-506	*Dissertation*	4	100

Note: PhD Scholars have to choose any one of the course from LIS-503, LIS-504 and LIS-505.

Research Methodology-I
LIS -501
Full Marks: 100
Credit: 4

From this paper scholar will able to understand What is Research? Types of Research. What is a problem? Necessity of defining problem, Technique involved in defining a problem. Objective of a Research. Significance of a Research Work. What is Methodology? Requirements for the Success as a Researcher.

Unit 1: Research Methodology
- ➢ Research: Concept; Research ethics Vs Plagiarism.
- ➢ Scientific enquiry and Scientific Method
- ➢ Research Problem and identification.

Unit 2: Research Design
- ➢ Research questions and Hypothesis
- ➢ Research process and Research Design
- ➢ Literature survey: writing and technique.

Unit 3: Research Methods, Tools and Techniques
- ➢ Research Methods, Tools of data collection
- ➢ Data analysis technique: Statistical techniques
- ➢ Software for statistical analysis: SPSS / MS-Excel

Unit 4: Writing Research Report
- ➢ Report Writing: Structure and parts of Research Report.
- ➢ Citation Style: References Vs Bibliography.
- ➢ MLA, APA, Chicago Manual.

Suggested Reading List

1. Frankfort, Chava and Nachims, David. Research methods in social sciences. 6th Ed. Worth Publisher, New York.1999.
2. Adams, Gerald R and Schvaneveldt, Jay D. Understanding research methods. 2nd Ed. Longman, New York. 1991
3. Babbie, Earl. Survey research methods. 2nd Ed. Belmont, California, Wadsworth. 1990.
4. Bailey, Kenneth D. Methods of social research. 4the Ed. Free Press, New York. 1994.
5. Backstrom, Charles H and Hursh, Gerald D. Survey research. 2nd Ed. John Wiley and Sons, New York, 1981.

Research Methodology-II

LIS - 502

Full Marks: 100

Credit: 4

Review and critic of published research in a relevant field, training, field work, communication skill.

Writing of Research Papers.

Knowledge Structure and LIS trends
LIS -503
Full Marks: 100
Credit: 4

Unit 1: Information and Knowledge and Library
- Information Society, Knowledge Society
- Professional Ethics, Copy Right, IPR and DRM
- National Knowledge Commission: Recommendations and Implication in LIS

Unit 2: Modern Methods of Knowledge Organisation
- Modern trends in Library Classification
- Trends in Library Cataloguing : OPAC and WebOPAC
- Various Standards and Matadata

Unit 3: Modern Management in Library and Knowledge Resource Centre
- Principles of Management
- Human Resource Management
- Total Quality Management, SORT analysis

Unit 4: Recent Trends in LIS
- Critical Review of Research in LIS in India.
- Modern trends of Research in LIS: Electronic theses and dissertations;
- Designing project proposals, Funding agencies, and LIS Schools

Suggested Reading List
1. Glazier, Jack D. & Hall, Peter M., eds.: Qualitative Research in Information Management. Englewood, CO: Libraries Unlimited, 1992.
2. Gorman, G.E. & Clayton, Peter: Qualitative research for the information professional: a practical handbook. 2nd ed. London: Facet Publishing, 1997.
3. Hafner, Arthur W. Descriptive Statistical Techniques for Librarians. 2nd ed. Chicago: American Library Association, 1997.
4. Statistical Analysis: A Handbook Supporting Library Decision Making. Norwood, NJ: Ablex Publishing Corporation, 1988.
5. Kraft, Donald H. & Boyce, Bert R.: Operations Research for Libraries and Information Agencies: Techniques for the Evaluation of Management Decision Alternatives. SanDiego: Academic Press, 1991.

Advanced Research in LIS
LIS-504
Full Marks: 100
Credit: 4

Unit:1 Techniques and Tools in LIS
- ➤ Research Methods in LIS
- ➤ Historical Research, Survey Research and
- ➤ Experimental Research

Unit-2 Bibliometric Study
- ➤ Bibliometric Laws
- ➤ Citation Analysis
- ➤ Scientometrics, Informetrics and Webometrics

Unit: 3 Computerized data analysis
- ➤ Introduction of SPSS / Excel
- ➤ Data Entry with SPSS / Excel
- ➤ Interpretation with SPSS / Excel

Unit: 4 Interactive Digital Resources
- ➤ Interactive Digital Information Resources
- ➤ LIS Discussion Forums and Mailing Lists
- ➤ Library 2.0/ 3.0 Tools and Information Mashup

Suggested Reading List

1. Losee, Robert M., Jr. & Worley, Karen A.: Research and Evaluation for Information Professionals. San Diego: Academic Press, 1993.
2. Mellon, Constance A.: Naturalistic Inquiry for Library Science: Methods and Applications for Research, Evaluation, and Teaching. New York: Greenwood, 1990.
3. Moore, Nick: How to Do Research. 2nd ed. London: Library Association. 1997.
4. Krishan Kumar. Research methods in library and information science. Rev Ed. Har-Anand Publications, New Delhi. 1999.

Application and Digital Library
LIS -505
Full Marks: 100
Credit: 4

Unit 1: Library Automation
- ➢ Library Management Software
- ➢ RFID Technology and Electronic Surveillance
- ➢ Library automation scenario in India

Unit 2: Library Networking
- ➢ Library Networks: INFLIBNET, DELNET
- ➢ Digital Library and Digital Preservation
- ➢ Institutional Repositories and Metadata harvesting,

Unit 3: Digital Information Resources on LIS
- ➢ Subject Gateways and Digital Libraries on LIS
- ➢ Virtual Reference Tools: Commercial Tools
- ➢ Data mining and data warehousing

Unit 4: Web Technology & Interactive Digital Resources
- ➢ Interactive Digital Information Resources
- ➢ Blogs and Biblioblogsphere
- ➢ Wikis and Wikipedias in LIS

Suggested Reading List

1. Carnaby, P: Next generation e-learning and digital information resources. Buenos Aires:
2. FAO & UNESCO: Digitization and digital libraries module (in CDROM). Rome: FAO, 2005.
3. FAO & UNESCO: Management of electronic documents module (in CDROM). Rome: FAO, 2005
4. Lenhart, A., Fallows, D., & Horrigan, J.: Content Creation Online: 44% of U.S. Internet users have contributed their thoughts and their files to the online world. <Available at http://www.pewinternet.org/pdfs/PIP_Content_Creation_Report.pdf>
5. LIS Core Cluster: http://www.db.dk/
6. LISWiki. Web site: http://liswiki.org/wiki/

Dissertation
LIS-506
Full Marks: 100
Credit: 4

Each scholar has to write a term paper in an area of Library and Information Science under the supervision of a respective guide of the Department. The research students have to write one Term Paper Examination as suggested from the department.