

**FACULTY OF ARTS & SOCIAL SCIENCES**

**SYLLABUS**

**FOR**

**Pre Ph.D. Course in  
LIBRARY & INFORMATION SCIENCE  
(SEMESTER: I - II)**

**Examinations: 2019-20**



---

**GURU NANAK DEV UNIVERSITY  
AMRITSAR**

---

**Note : (i) Copy rights are reserved.  
Nobody is allowed to print it in any form.  
Defaulters will be prosecuted.**

**(ii) Subject to change in the syllabi at any time.  
Please visit the University website time to time.  
(Semester System)**

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

**Program Code:- LSZ**

**Department of Library and Information Science**

Paper		Course Title	L	T	P	TOTAL
<b>Semester-I</b>						
LSL-901	C	Research Methods in Library & Information Science	3	-	-	3
LSL-902	C	Emerging Trends in Library & Information Science	3	-	-	3
LSP-903	C	Seminar	-	-	1	1
<b>Total</b>			<b>6</b>			<b>7</b>
<b>Semester-II</b>						
LSL-904	C	Computer Application in Libraries	3			3
LSL-905	C	Review of Literature and Research Reporting Or Information Transfer and Dissemination	3			3
<b>Interdisciplinary Courses(4 Credits)</b>						
	I	To be offered from the outside Department	3			3
			-	-	-	9
		<b>Grand Total</b>	<b>16 Credit Hours</b>			

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

**Semester-I**

**LSL-901:-Research Methods in Library & Information Science**

**Credits: 3-0-0 (L-T-P)**

**Time: 3 Hrs.**

**Total marks: 100 marks**

**Major Exam: 80 marks**

**Mid Term: 20 marks**

**Mid Semester Examination: 20% weightage**

**End Semester Examination: 80% weightage**

**Instructions for the Paper Setters:**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**Section A**

- Research: Definition, Importance and types.
- Research Design : Types of research design; Identification, selection and formulation of research problem; Hypothesis formulation; designing research proposal; literature search: print, non-print and electronic resources.

**Section B**

- Research techniques and tools: Questionnaire, interview, observation and sampling techniques.
- Scientific method: Definition, steps. Spiral of scientific method; Application of scientific method in the field of Library and Information Science.

**Section C**

- Research Methods: Scientific, Historical, Descriptive, Experimental, Statistical - their application in Library & Information Science.

**Section D**

- Statistical Techniques: Measurement of Central Tendency, Mean, Median and Mode.
- Presentation of data: Tabular, graphic, bar diagram, pie chart etc.
- Computerized data analysis: Description, analysis and interpretation

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

**Suggested Readings:**

1. Bailey, Kenneth D. *Methods of Social Research*. New York: Free Press, 1987.
2. Bajpai, S.K. *Methods of Social Surveys and Research*. Kanpur: Kitabgarh, 1985.
3. Busha, C.H and Harter, S.P. *Research Methods in Librarianship, Techniques and Interpretation*. New York: Academic Press, 1980.
4. Devarjan, G. *Prolegomena to research methodology*. New Delhi: ESS ESS Publications, 2012.
5. Gibaldi, Joseph. *MLA Handbook for Writers of Research Papers*. 6th Ed. New Delhi: EWP, 2004.
6. Ghosh, B.N. *Scientific Methods and Social Research*. New Delhi: Sterling, 1982.
7. Goode, W.J. and Hatt, P.K. *Methods in Social Research*. New York: McGraw Hill, 1952.
8. Krishan Kumar, *Research Methods in Library and Information Science*. Rev. Ed. New Delhi: Har-Anand Pub., 1999.
9. Kumar, P. S. G. *Research Methods and Statistical Techniques*. Delhi: B. R. Publishing Corporation, 2004.
10. Nagi, M. S. *Research Methods and Statistical Techniques in Library and Information Science*. New Delhi: Shree Publishing, 2005.
11. Oliver, Paul. *Writing Your Thesis*. New Delhi: Vistas Publications, 2004.
12. Pickard, Alison Jane. *Research Methods in Information*. 2<sup>nd</sup> ed. London: Facet Publishing, 2013.
13. Sardana, J.L and Sehgal R.L *Statistical Methods for Libraries*. Delhi: EssEss Pub., 1982.
14. Sharma, C.K., Jain, M.K. and Chandchreek. K.L. *Research Methodology*. New Delhi: Shree Publications, 2000.
15. Slater, Margaret, Ed. *Research Methods in Library and Information Studies*. London: Library Association, 1990.

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

**Semester-I**

**LSL-902:-Emerging Trends in Library & Information Science**

**Credits: 3-0-0 (L-T-P)**

**Time: 3 Hrs.**

**Total marks: 100 marks**

**Major Exam: 80 marks**

**Mid Term: 20 marks**

**Mid Semester Examination: 20% weightage**

**End Semester Examination: 80% weightage**

**Instructions for the Paper Setters:**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**Section A**

- Emerging technologies and trends in modern library, Digital library development - issues involved; Intellectual property rights in digital environment.

**Section B**

- Internet, Internet based resources and services.
- Electronic resources: management and organization.

**Section C**

- Information/Knowledge Society: Genesis, characteristics and implications.
- Marketing of Information: Marketing of library & information products and services.

**Section D**

- Information Analysis and Consolidation: Concept, need and purpose.
- Packaging and repackaging: Concept, need, purpose and criteria

**Suggested Readings:**

1. Bavakutty, M., Majeed, K.C. Abdul and Nasirudheen, T.P.O. Future Librarianship in Knowledge Society. New Delhi: ESS ESS Publication, 2008.
2. Dhanwan, S.M. Library and informations students in cyber age. Delhi: Authors Press, 2004.
3. Feather, John. The information Society: A study of continuity and change. 3<sup>rd</sup> ed revised London: Library Association, 2001.
4. IASLIC. Digital Media and Information Services. Calcutta: IASLIC, 2007.

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

5. Jaswal, D.S. Recent Trends in Library and Information Science. Chandigarh: Arun Publishing House, 2008.
6. Jefery A. Rydberg - Cox, Digital Libraries and the Challenges of Digital Humanities. Oxford:Chandos Publishing, 2006
7. Kotler, Philip. Marketing Management. 11<sup>th</sup> Ed. Delhi: Pearson Education, 2004
8. KrishanGopal. Digital Libraries in Electronic Information Era. Delhi: Authors Press, 2000.
9. Mathews, Brian. Marketing Today's Academic Library: A bold new approach to Communicating with Students. New Delhi: EssEss Publications, 2010.
10. Prosdale, Jeff. Managing Electronic Reserves in digital ages. New Delhi: ESS ESS Publications, 2010.
11. Rajshekharan, K, Nair, R. Raman and Nafala, K.M. Digital Library Basics: A Practical Manual. New Delhi: ESS ESS Publications, 2010.
12. Ramaiah, L.S, Reddy, Sankara and Hemant Kumar. E-libraries: Problems and Perspectives. New Delhi: Allied Publishers, 2007.
13. Sharma, Neelam. Automation and Digitization of Universties Libraries: Status, Prospects and Problems. New Delhi: Northern Book Centre, 2012.
14. Sukula, Shiva. Electronic Resource Management: What why an How. New Delhi: ESS ESS Publications, 2010.
15. Vijay Lakshmi, and Jindal S.C. Ed 3. Digital Libraries: Digital Library and Archives. Delhi: Isha Books, 2004.

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

**Semester-II**

**LSL-904:-Computer Applications in Libraries**

**Credits: 3-0-0 (L-T-P)**

**Time: 3 Hrs.**

**Total marks: 100 marks**

**Major Exam: 80 marks**

**Mid Term: 20 marks**

**Mid Semester Examination: 20% weightage**

**End Semester Examination: 80% weightage**

**Instructions for the Paper Setters:**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**Section A**

- Library automation: planning and implementation of library automation; Use of computers for in-house library operations and information storage and retrieval.

**Section B**

- Library application software packages: SOUL, LIBSYS, WINISIS and KOHA.
- Databases: Bibliographic, full text and multimedia.

**Section C**

- Communication technologies: Fundamentals of telecommunication technology; networks and networking.
- Library networks in India.

**Section D**

- Web 2.0: Concept, features, tools and services. Library 2.0: Concept.
- Cloud Computing: Concept, Benefits, Application in Libraries.

**Suggested Readings:**

1. Amjad Ali. Information Technology and Libraries. New Delhi: ESS ESS Publications, 2004.
2. Bala Krishnan Shyama and Paliwal, P. K. Ed. Networking and the Future of Libraries. New Delhi: Anmol Publishing, 2001.
3. Bradley, P. World Wide Web: How to Design and Construct Web Pages. 2nd Ed. London: ASLIB, 2000.
4. IASLIC. IT Products of 1990's and Library. Lucknow. 28th IASLIC Conference, 1995.
5. INFLIBNET. Software for university libraries user manual. Ahmedabad: INFLIBNET, 2003.
6. Iyer, V.K. Networking and Future of Libraries. Delhi: Rajat, 1999.
7. Kaul, H.K. Library Networks; An Indian Experience. New Delhi: Virgo, 1992.



*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

8. Kent, Allan and Galvin, Thomas J., Eds. Information Technology: Critical Choices for Library Decision Makers. New York: Marcel Dekker, 1982.
9. Kumar, P.S. G, Information Technology: Applications. Delhi: B.R. Publishing Corporation, 2004.
10. Prosdale, Jeff. Managing Electronic Reserves in digital ages. New Delhi: ESS ESS Publications, 2010.
11. Rajshekharan, K, Nair, R. Raman and Nafala, K.M. Digital Library Basics: A Practical annual. New Delhi: ESS ESS Publications, 2010.
12. Rao, Ravichandra. I.K. Library Automation. 2nd Ed. New Delhi: Wiley Eastern, 1996.
13. Rowley, J. The Electronic Library. 4th Ed. London: LA, 1998.
14. Satyanarayana, B., Ed. Information Technology: Issues and Trends. New Delhi: Cosmo, 1998.
15. Winship, I. Students' Guide to the Internet. London: LA, 2001.

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

**Semester-II**  
**LSL-905:Review of Literature and Research Reporting**

**Credits: 3-0-0 (L-T-P)**

**Time: 3 Hrs.**

**Total marks: 100 marks**

**Major Exam: 80 marks**

**Mid Term: 20 marks**

**Mid Semester Examination: 20% weightage**

**End Semester Examination: 80% weightage**

**Instructions for the Paper Setters:**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**Section A**

- Review of literature: Guidelines; Review of print, non-print, electronic and web resources.
- Book and article reviews: guidelines for preparing reviews.

**Section B**

- Abstracting: types and guidelines for preparing abstracts.
- Information Retrieval models: Boolean search and Hypertext search.

**Section C**

- Research Reporting: Report writing, structure style, contents and guidelines for research reporting.

**Section D**

- Style manuals: MLA and APA. Citing print and electronic documents.

**Suggested Readings:**

1. Bhattacharya, G. and Gopinath, M.A., Ed. Information Analysis and Consolidation: Principles, Procedures and Products. DRTC Annual Seminar No. 18, Bangalore: DRTC, 1981.
2. Gibaldi, Joseph. MLA Handbook for Writers of Research Papers. 6<sup>th</sup> Ed. New Delhi: EWP, 2004.
3. Oliver, Paul. Writing Your Thesis. New Delhi: Vistas Publications, 2004.
4. Saracevic, T. and Wood, J.S. Consolidation of Information: A Handbook of Evaluation, Restructuring and Repackaging of Scientific and Technical Information. Paris: UNESCO, 1981.
5. Seetharama, S. Information Consolidation and Repackaging. New Delhi: EssEss, 1997.
6. UNESCO. Symposium on Information and Consolidation. Colombo, Sri Lanka: Sept. 12-15, 1978. Final Report. Paris: Unesco, 1979.

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

**Semester-II**  
**LSL-905:- INFORMATION TRANSFER AND DISSEMINATION**

**Credits: 3-0-0 (L-T-P)**

**Time: 3 Hrs.**

**Total marks: 100 marks**

**Major Exam: 80 marks**

**Mid Term: 20 marks**

**Mid Semester Examination: 20% weightage**

**End Semester Examination: 80% weightage**

**Instructions for the Paper Setters:**

Eight questions of equal marks (Specified in the syllabus) are to be set, two in each of the four Sections (A-D). Questions may be subdivided into parts (not exceeding four). Candidates are required to attempt five questions, selecting at least one question from each Section. The fifth question may be attempted from any Section.

**Section A**

- Information: Characteristics, nature, value and use.
- Conceptual difference between data, information and knowledge.

**Section B**

- Role of Information in planning, decision making, management etc.
- Information communication channels, barriers.

**Section C**

- Barriers to information communication.
- Information Services: CAS, SDI, Abstracting and Indexing.

**Section D**

- Economics of Information: Information as an economic commodity.
- Role of libraries in information and knowledge management.

**Suggested Readings:**

1. Chowdhury, G.G. Introduction to Modern Information Retrieval. London: LA, 2004.
2. Cleveland, Donald B. and Cleveland Ana D. Introduction to Indexing and Abstracting. U.S.A.: Libraries Unlimited, 2001.
3. Foskett, A.C. Subject Approach to Information. Ed. 5. London: Library Association, 1996.
4. Foskett, D.J. Information Service in Libraries. London: Crossby Lockwood, 1970.

*PRE PH.D COURSE IN LIBRARY & INFORMATION SCIENCE*  
(Credit Based Evaluation and Grading System)

5. Guha, B. Documentation and Information: Services, Techniques and Systems. Calcutta: World Press, 1999.
6. Kawalski, Gerald J. and Maybunymank T. Information Storage and Retrieval Systems. Ed. 2. London: Kluwer, 2000.
7. Kumar, P.S.G. Fundamentals of Information Science. 2nd New Delhi: Indraprastha, 2006.
8. Kumar, P.S.G. Information and Communication. Delhi: B. R. Corporation, 2004.
9. Lancaster, F. Wilfred. Information Retrieval System: Characteristic, Testing and Evaluation. New York: Wiley, 1968.
10. Lancaster, F. Wilfred. Indexing and Abstracting in Theory and Practice. Ed. 3. London: Facet Publishing, 2003.
11. Martin, William. The Global Information Society. Hampshire: Aslib, 1995.
12. Prasher, R.G. Information and Communication. 2nd Ed. Revised, New Delhi: Medallion Press, 2003.
13. Rowley, J. Organizing Knowledge: An Introduction to Information Retrieval. Ed. 2. London: Gower Aldershot, 1992.
14. Rowley J and Farrow, John. Organizing Knowledge: An Introduction to Managing Access to Information. 3rd ed. London: Gower, 2000.
15. Riaz, M. Modern Techniques of Documentation and Information Work. New Delhi: Atlantic Pub., 1989.
16. Suliman Al-Hawamdeh Knowledge Management: Cultivating Knowledge Professionals. 2005.
17. UNESCO. World communication report: The Media and the Challenge of the New Technologies. Paris: UNESCO, 1997.