

Master of Library and Information Science (M.L.I.Sc.)



**Department of Library and Information Science
Goa University**

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Department of Library and Information Science

Goa University

Duration of the courses : One Year Courses
(Credit Based Semester System)

Credit based Semester Syllabus for Master of Library and Information Science (MLISc)

Semester I						
13	MLC 101	Information Retrieval	T	3	75	25
14	MLC 102	Library Automation and Networks	T	3	75	27
15	MLC 103	Library Automation Software	P	2	50	29
16	MLC 104	Research Methodology	T	3	75	29
17		Optional			75	
	MLC 105	Web 2.0	T	3		31
		OR				
	MLC 106	Electronic Information Sources and services	T	3		32
				14	350	
Semester II						
18	MLC 201	Digital Libraries (Theory)	T	4	100	34
19	MLC 202	Digital Libraries (Practical)	P	3	75	35
20	MLC 203	Webometrics, Infometrics & Scientometrics	T	2	50	37
21	MLC 204	Marketing of Information products and services	T	2	50	37
22		Optional			75	
	MLC 205	Information Literacy	T	3		38
		OR				
	MLC 206	Scholarly communication	T	3		39
				14		
23	MLC 207 Dissertation	Dissertation is a compulsory component of MLISc Course and will carry 12 Credits . The Dissertation work will start from the third Semester of the Course.			300	41
					650	



Goa University
Department of Library and Information Science,

Credit based Semester Syllabus for
Master of Library and Information Science (MLISc)

First Semester

MLC – 101 Information Retrieval

(3 Credits / 75 marks)

Unit 1

- Information Retrieval Systems: Basic concepts, Definitions, Objectives, Characteristics, Components and functions. Functional model of an IRS.
- Indexing Systems: Indexing - Meaning, Purpose and Need. An overview of historical development in Indexing. Pre-coordinate Indexing Vs. Post-coordinate Indexing. Pre-coordinate Indexing systems – Brief outline of Chain procedure, POPSI, PRECIS and Keyword Indexing. Post-coordinate Indexing Systems – Uniterm Indexing. Citation Indexing – Meaning and importance, Different citation indexes: Shepard's Citations, SCI, SSCI. Automatic Indexing – Techniques and methods. Uncontrolled vocabularies. (15 Hours)

Unit 2

- Vocabulary Control: Vocabulary control – Meaning and importance; Controlled Vs. Free text Indexing; Vocabulary control tools – Subject heading Lists, Thesauri, Thesaurofacet, Classarus. Thesaurus construction techniques. Case Study of Controlled vocabularies/ Ontologies such, ERIC, MeSH, INSPEC, UNESCO-IB, AgroVac, UMLS (10 Hours)

Unit 3

- IR models. Concept of Ranking. : Structural models – Boolean Model, Probabilistic retrieval model, vector space model. (10 Hours)

Unit 4

- Evaluation of IRS: Purpose; Evaluation criteria; Design of evaluation programmes; Steps of evaluation; Evaluation experiments: Overview of the Cranfield test, MEDLARS, the SMART Retrieval Experiment, The STAIRS project, TREC.
- Trends in IRS: Developments, Searching and retrieval, Full text retrieval, User interfaces, IR standards and protocols.

- (10 Hours)

Selected Reading

1. A course in Information consolidation: a handbook for education and training in analysis, synthesis and repackaging of Information. General Information Programme and UNISIST, UNESCO, PGI, Paris. 1986.
2. Alberico, R. and Micco M.(1990). Expert systems for reference and Information retrieval. West Port : Meckler.
3. Atchison, J. & Alan G. A.(1972). Thesaurus construction: a practical manual. London: Aslib.
4. Atchison, J. & Gilchrist, A.(1972). Thesaurus construction: a practical manual. London: Aslib.
5. Austin, D.(1984). PRECIS: A manual of concept analysis and subject Indexing. 2nd ed.
6. Chowdhury, G.G.(2003). Introduction to modern Information retrieval. 2nd Ed. London, Facet Publishing.
7. Cleaveland, D. B.(2001). Introduction to Indexing and abstracting. 3rd Ed. Englewood, Colo. : Libraries Unlimited
8. Crawford, M. J.(1988). Information broking: a new career in Information work. London: LA.
9. Ford, N.(1991). Expert systems and artificial intelligence : An Information manager's guide. London : LA.
10. Ghosh, S.B. and Biswas, S.C. (1998). Subject Indexing systems: Concepts, methods and techniques. Rev. ed. Calcutta: IASLIC.
11. Lancaster, F. W. (1968). Information retrieval systems, characteristics, testing and evaluation. London: Facet Publishing.
12. Lancaster, F.W.(2003). Indexing and Abstracting in Theory and Practice. London: Facet Publishing.
13. Pandey, S.K. Ed.(2000). Library Information retrieval. New Delhi: Anmol.

14. Seetharama, S. (1997). Information consolidation and repackaging. New Delhi: ESS ESS.
15. Van, R.C. J. (1970). Information retrieval. 2nd ed. London: Butterworths.
16. Vickery, B.C. (1970). Techniques of Information retrieval. London: Butterworths

MLC – 102 Library Automation and Networks

(3 Credits / 75 Marks)

Unit 1

- Library automation: Definition, Need, Purpose and Advantages. Historical development. Planning for Library automation.
 - Automation of Library operations. Acquisitions, Cataloguing, OPACs, Circulation and Serials control.
 - Evaluation of Library automation systems. Criteria for evaluation. Evaluation techniques. Study of standards relevant to Library automation.
 - Application of Barcode and RFID Technology for Library Functions.
 - Application of Artificial Intelligence to Library and Information Centres
- (20 Hours)

Unit 2

- Network concepts: Meaning, and Definition. Digital and analogue signals, Modulation, Frequency, Spectrum, Bandwidth, Multiplexing (FDM, TDM, STDM, and WDM), Asynchronous and synchronous transmission, Transmission Modes - Simplex, Half-duplex and Full duplex channels.
 - Network devices: File server, Work station, Network Interface Unit, Transmission media, Hub, Repeater, Bridge, Router, Gateway, and Modem.
 - Types of computer networks: Local Area Networks – Concept, Topologies (Bus, Star, Mesh, Tree, and Ring). Wide Area Networks and Metropolitan Area Networks- Concepts, Circuit switching and Packet switching. Difference between LAN and WAN. Wireless Networks – Mobile telephones.
- (5 Hours)

Unit 3

- Network architectures. OSI and TCP/IP Reference models.
- Internet Technologies: Internet- History and development. World Wide Web (WWW).

- Protocols and its functions. Understanding TCP/IP.
 - Network Security Issues and Measures: Understanding the following issues in Network security- Security requirements and attacks, Confidentiality with conventional encryption, Message authentication and hash functions, Public-key encryption and digital signatures. Fire walls and anti- virus software.
- (10 Hours)

Unit 4

- Historical Developments of Library Cooperation and Networking.
 - Library Networks: Study of the functions and activities of OCLC, RLIN, BLAISE, ERNET, JANET, NICNET, INFLIBNET, DELNET, BALNET, MANLIBNET.
- (10 Hours)

Selected Readings:

1. Andrew S. T. & David J.W. (2011). Computer networks. Boston: Pearson Prentice Hall.
2. Balakrishnan, S.(2000). Networking and the future of Libraries. New Delhi: ESS ESS.
3. Barcode basics. <http://www.makebarcode.com/info/info.html>
4. Bose, K.(1994). Information networks in India: Problems and prospects. New Delhi: ESS ESS.
5. Carter, R.(1987). The Information technology hand book. London: Henemann.
6. Chapman, E.A.(1970). Library systems analysis guidelines. New York: John Wiley.
7. Dhiman, A.K.(2003). Basics of Information technology for librarians and Information scientists. ESS ESS .
8. DRTC(1999). Library networks in India (Seminar Papers). Bangalore, DRTC, ISI.
9. Haravu, L.J.(2004). Library automation: design, principles and practice. London: Allied publishing.
10. Jeanne, F.M. (2006). A librarian's guide to the Internet: A guide to searching and evaluating Information. Oxford: Chandos publishing.
11. Kaul, H K(1992). Library networks: an Indian experience. New Delhi: DELNET.
12. Kumar, P.S.G. (2004). Information technology: Applications (Theory and Practice). Delhi: B.R. Publishing.
13. Lucy, A. T.(2005). An introduction to computer based Library system. 3rd Ed. Chichester: Wiley.

14. Patnaik, S. (2001). First text book on Information technology. New Delhi: Dhanpat Rai.
15. Ravichandra Rao (1996). Library automation. New Delhi: New Age International.
16. Rich, E. and Knight K. (1994). Artificial Intelligence, 2nd Ed. New Delhi: T.M.H.
17. Richard J. (2006). The institutional repository. Oxford: Chandos publishing.
18. Vishwanathan, T. (1995). Communication technology. New Delhi: T.M.H.
19. Zorkoczy, P. (2005). Information technology: An introduction, London: Pitman.
12. <http://www.inflibnet.ac.in>
14. <http://www.delnet.nic.in>
15. <http://www.oclc.org>

MLC – 103 Library Automation and Databases (Practic3)

(2 Credits / 50 Marks)

Unit 1

- Creation of Database: CDSISIS / WINISIS, MySQL

Unit 2

- Use of Library software: Koha/Libsys/SOUL etc.,

Unit 3

- Database Searching. Webcats and WebOPACs, LC Catalog, OCLC etc. Internet Searching,

Unit 4

- Use of search engines: Google, Yahoo etc.

- (90 Hours)

MLC – 104 Research Methodology

(3 Credits / 75 Marks)

Unit 1

- Foundations of research: Meaning and definition, nature, and objectives of research, Types of research, Basic concepts of research. Ethics in research. Areas of research in Library and Information Science. Role of research in the development of scholarship. 5 Hours

Unit 2

- Planning of research, The Planning process; Review of literature.
- Selection of a problem for research - Mode of selection, Sources of problems, Process of identification, Criteria of selection, Formulation of the selected problem.
- Hypothesis – Meaning, Types, Sources, Functions, Hypothesis; Conceptualization;

- Research design - Essentials of good research design & its importance, Ethical aspects of research; Literature search – print, non-print and electronic sources.
- Research design / writing the research proposal. 10 Hours

Unit 3

- Research methods: Quantitative and qualitative methods of LIS research - Scientific Method, Historical method, Descriptive Method, Survey method, Observation method, Experimental method, Case-Study method. Delphi method and Interview method.
- Research techniques and tools: Questionnaire - types of questions, structured and unstructured questions, Cautions regarding questions & questionnaires. Interview schedule – Types, Merits & limitations; Measurements indices, Pilot studies. Rating scales and check lists. 10 Hours

Unit 4

- Sampling & data collection: Sampling techniques, Sample design or choice of sampling techniques, sample size, Sampling and non-sampling errors. Meaning and importance of data, Sources of data, Types of data, Use of secondary data
- Statistical analysis of data : Descriptive Statistics – measures of central tendency, mean, median & mode; Tabulation and Generalization; measures of dispersion – Range, intermediate ranges, measures of aggregate dispersion, mean-absolute deviation, the variance and covariance , and standard deviation & normal distribution. Chi-square test.
- Graphical presentation of data and report writing: Meaning & importance, commonly used graphics forms-line graphs or charts. Histograms, Frequency polygons, Ogive bar charts, pie charts & pictogram. Sociometry, Statistical Packages – SPSS.
- Research reporting: Organisation of report, Structure, Style, Contents, Guidelines of Research Reports, Methods of Research Evaluation. Technical Writing and Presentation –Tools, techniques and standards. Foot notes and references. Study of citation style manuals- APA, MLA, and Chicago. Citation Machines, Automatic citation builder, Endnote, Refwork. 20 Hours

Selected Readings:

1. Busha, C.Hand Harter, S.S. (1980). Research methods in librarianship: Techniques and interpretation. Orlando, Academic press.
2. Charles, H. et.al.(1993). Research methods in librarianship: Techniques and interpretations, New Delhi: Sage.

3. Fowler, F.J. (1993). Survey research methods. New Delhi: Sage.
4. Goode, W.J. and Hatt, P.K. (1986). Methods in social Science research. New Delhi: McGraw Hill.
5. Krishan Kumar(1992). Research methods in Library and Information Science. New Delhi: Vikas,.
6. Krishnaswami, O.R. (1993). Methodology of Research in Social Sciences. Bombay:Himalaya.
7. Leddy, P. D. (1980). Practical research: Planning design. London: Clive-Bingley.
8. Line, M.B. (1967). Library surveys, London: Clive Bingley.
9. Nicholas D. and Ritchil, M. (1979). Literature and bibliometrics. London: Clive Bingley.
10. Ravichandra Rao, I.K. (1985). Quantitative methods for Library and Information Science. New Delhi: Wiley Eastern.
10. Slater, M. (1990). Research methods in Library and Information studies. London: L.A.
11. Stevens, R.E. Ed.(1971). Research methods in librarianship. London: Clive Bingley.

Optionals

MLO – 105 Web 2.0

(3 Credits / 75 Marks)

Unit 1

- Web 2.0. Definition and Characteristic features. Web 2.0 challenges for Libraries. Web 2.0 based Library services. 15 Hours

Unit 2

- Study of the concepts and application: RSS feeds. Metadata. Tags. Tag clouds. Folksonomy, Blogs, Photosharing, Social book marking, Social networking. - 10 Hours

Unit 3

- Understanding Podcasting, VODcast and Screencast. WIKIS, Mashups, Real time communications. 10 Hours

Unit 4

- Case studies of Web 2.0 in Libraries. 10 Hours

Selected Readings:

1. Bell, A. (2009). Exploring Web 2.0: second generation internet tools - blogs, podcasts, wikis, networking, virtual worlds, and more. Georgetown, TX: Katy Crossing Press.
2. Campesato, O., & Nilson, K. (2011). Web 2.0 fundamentals with Ajax, development tools, and mobile platforms. Sudbury, Mass.: Jones and Bartlett Publishers.
3. Governor, J., Nickull, D., & Hinchcliffe, D. (2009). Web 2.0 architectures. Sebastopol, CA: O'Reilly Media, Inc.
4. Shah, S. (2008). Web 2.0 security: defending Ajax, RIA, and SOA. Boston: Charles River Media.
5. Shelly, G. B., & Frydenberg, M. (2011). Web 2.0: concepts and applications. Boston, MA: Course Technology.
6. Shuen, A. (2008). Web 2.0: a strategy guide. Sebastopol, CA: O'Reilly Media.
7. Solomon, G., & Schrum, L. (2010). Web 2.0 how-to for educators. Eugene, O.R. : International Society for Technology in Education.

MLO – 106 Electronic Information Sources and Services

(3 Credits / 75 Marks)

Unit -1

- Electronic Information Sources: Concept, Types/ Kinds, Characteristic features and use. Types of sources (Primary, Secondary, Tertiary)
- Evaluation of Information Sources. 10 Hours

Unit -2

- Electronic Information resources: Meaning and definition, Growth and development, Types.
- E-Journals, e-Books, e-Theses, e-newspapers, Blogs, Wikis.
- Free *online* Dictionaries, Non-free online dictionaries, Free Thesauri.
- Encyclopedia, Virtual Libraries, Subject gateways and Portals 15 Hours

Unit -3

- Free databases and fee based bibliographical and full text databases, subject related websites, Institutional repositories, Open Archives and digital Libraries.
- Resource Sharing and Networks: Consortia- Importance and objectives. Study of Information networks and Digital Library Consortia - OCLC, RLIN, INFLIBNET, UGC-INFONET, DELNET, INDEST, FERA, and CSIR e-journal Consortia.

10 Hours

Unit 4

Components of Information System: Libraries, Documentation Centres, Information centres, Data centers, Data Banks, Museums, Memories, Publishing Houses.

- Virtual Reference Desk, Online Reference Services 10 Hours

Selected Readings:

1. Chowdhury, G.G. and Chowdhury, Sudatta (2000). Searching CD-ROM and online Information sources. London: Library Association.
2. Cooper, M. D. (1996). Design of Library automation systems: File structures, data structures and tools. New York: John Wiley.
3. Dickson, G.W. and Desanctis, G.. Information technology and the future enterprise: New models for managers. New Jersey: Prentice Hall.
4. Ferris, Jeffrey A. (2000) Windows 2000: Development and desktop management. Indiana: New Riders.
5. Gallimore, A. (1997). Developing an IT strategy for your Library. London: Library Association.
6. Gopinath, M.A. (1984). Information sources and communication media (Annual Seminar). Bangalore: DRTC
7. <http://www.infolibrarian.com>
8. <http://www.Libraryspot.com>
9. <http://www.refdesk.com>
10. Krishan Kumar (1996) Reference service, 5th ed. New Delhi: Vikas,
11. Lesk, Michael (1997). Practical digital Libraries: Books, bytes and bucks. San Francisco: Morgan Kaufmann.
12. Ormes, Sorah and Dempsey, Lorcan Eds. (1997). The Internet, networking and the public Library. London: Library Association.
13. Sharma, Jitendra Kumar (2003). Print Media and Electronic Media: Implications for the future. Delhi, Authorspress.
14. Terplan, Kornel (1999). Intranet performance management. London: CRC Press.
15. White C M, et.al. (1973). Sources of Information in the social Sciences. 2 Ed. Bedminster Press, Tolowa, N.J



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**Credit based Semester Syllabus for
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Second Semester

MLC – 201 Digital Libraries

(4 Credits / 100 Marks)

Unit 1

- Digital Libraries: Concepts and issues. Understanding digital Libraries. Evolution of digital Libraries- Important milestones- Pre- DLI 1, NSF and DLI 1 and 2. Development of literature on digital Libraries. DL communities - Agencies and organizations responsible for the development of DLs- CNI, CNRI, DLF. DL conferences- JCDL, ECDL and ICADL.
- Design and Organization of Digital Library :Architecture, Interoperability, Compatibility, Protocols, standards and User Interfaces, 15 Hours

Unit 2

- Content creation – Electronic documents, files and file formats. Study of different file formats. Studying PDF in detail- features of PDF. Born digital and legacy documents. Digitization- scanning, OC Ring and conversion to PDF. Electronic Publishing and scholarly communication, E-journals and e-books
- Digital Preservation, Conservation and Archival Management – Problems and prospects 15 Hours

Unit 3

- Creating Web documents- Mark Up Languages- SGML, HTML and XML. Creating documents in HTML. HTML editors and tools. Front Page and Dream Weaver. XML and its features- XML tools. DL architecture .Elements of a DL. DOI, Open URL, CrossRef and other aspects. Study of the DL content management issues- Metadata and other resource discovery issues. Access Control and DRM, Security and preservation issues. 15 Hours

Unit 4

- Open Access Movement and Institutional repositories. Case study of select digital Libraries and IRs. California Digital Library; Alexandria Digital Library; ArXive; Cogprintis; Indian Scenario 15 Hours

Selected Reading:

1. Chowdhury, G.G: Introduction to Digital Libraries. London: Facet Publishing, 2003.
2. ICADL: Tutorials on Digital Libraries. Bangalore, 2001.
3. Karen S. W. Marilyn B, Stone, T. A. (2003). Electronic publishing: The definitive guide. UK: Hard Shell Word Factory.
4. Leona Carpenter, Simon Shaw & Andrew Prescott: Towards the Digital Library. London: LA, 1998.
5. Lee, Stuart D: Digital imaging: A practical handbook. 2000.
6. Malwad, N.M. and others (1992): Digital Libraries: Conference papers.
7. Marilyn Deegan and Simon Tanner (2010). Digital Futures_ Strategies for the information age. London: Facet Publishing.
8. Andrew Cox (2010). Introduction to Digital Library Management. London: Facet Publishing.
9. Jenny Craven (2010). Web Accessibility Practical advice for the library and information professional. London: Facet Publishing.
10. David Nicholas and Ian Rowlands (2010). Digital Consumers Reshaping the information professions. London: Facet Publishing.

MLC – 202 Digital Libraries (Practice)

(3 Credits / 75 Marks)

Unit 1

- Installation of Greenstone. Building digital collection using Greenstone

Unit 2

- Creating Metadata. Searching, Indexing. Modifying user interface etc. in Greenstone

Unit 3

- Installation of DSpace/Eprint/OJS

Unit 4

- Building collection in DSpace/Eprint. 135 Hours

MLC 203 - Webometrics, Informetrics & Scientometrics

(2 Credits / 50 Marks)

Unit 1

- Basic concepts: Bibliometrics, Informetrics, Scientometrics – Meaning, definitions and scope. Historical development. Study of bibliographic organizations: ISI, NCB, NISTAD. 5 Hours

Unit 2

- Study and application of Classical Bibliometric Laws – Lotka's law of scientific productivity, Bradford's law of scatter, and Zipf's law of word occurrence. Other notable regularities: 80/20 rule, Success-breeds-success model, law of Price. - 10 Hours

Unit 3

- Study of the citation concepts: citation analysis, citation network, citation matrix, bibliographic coupling, co-citation analysis, Journal Citation Reports, Productivity measurement techniques, Impact factor, H-Index.
- Growth and obsolescence of literature. Various growth models, the half-life analogy, determination of aging factor and half life, real vs apparent, synchronous and diachronous. 10 Hours

Unit 4

- Science Indicators and Policy. Science Indicators. Science Policy Development. Web Impact Assessment. Link Analysis. Trends in informetrics. 5 Hours

Selected Readings:

1. Egghe, L. and Rousseau, R.(2001). Elementary statistics for effective Library and Information services management. London: Aslib,
2. Garfield, E.(1979). Citation Indexing: Its theory and applications in Science, technology and humanities. New York: John Wiley.
3. Meadows, A.J.(1974). Communication in Science. London: Butterworths.
4. Neuendorf, K. (2002). The content analysis guidebook. London: Sage.
5. Nicholas D. and Ritchi, M. (1979). Literature & bibliometrics. London: Clive Bingley.
6. Ravichandra Rao, I.K. (1985). Quantitative methods for Library and Information Science. New Delhi: Wiley Eastern, 1985.
7. Thelwall, M. (2009). Introduction to webometrics: Quantitative web research for the social Sciences. Morgan and Claypool Publishers.

MLC – 204 Marketing of Information Products and Services

(2 Credits / 50 Marks)

Unit 1

- Emergence of Information Society and Knowledge Society and conceptualization of Information as a Resource: as a commodity and Information economics, Economics of Information; Growth of Information Industry and Implications on Library and Information Services and Products. Trans border data flow: agencies in TBDF, types of TBDF, barriers in BDF – access, linguistic, legal, economic and cultural (Information Consolidators, Aggregators, and Consortia etc.) 10 Hours

Unit 2

- Marketing concepts; - Corporate Mission; Marketing Strategies. Concept of Marketing in Non-profit Organizations
- Portfolio Management BCG Matrix Model; Product Market Matrix; Product Life Cycle, Pricing Information. 10 Hours

Unit 3

- Marketing Mix; Kotler's Four P's; McCarthy's Four P's. Packing, Branding and Advertising 5 Hours

Unit 4

- Marketing Plan & Research: Corporate Identity, Marketing plans: Marketing Research. Market Segmentation and Targeting; Geographic and Demographic Segmentation; Behavioral and Psychographics Segmentation; User Behavior and Adoption. Costing and Pricing of Information products and service – objectives and Importance. Influencing factors in pricing. Techniques of pricing
- Marketing Information Products & Services. 5 Hours

Selected Readings:

Cawkell, A.E., Ed. (1987). Evolution of an Information society. London : ASLIB.

Cronin, B(1981). Marketing of Library and Information services. London: ASLIB..

Eileen, E. D.S.(2002). Marketing concepts for Libraries and Information services. 2nd Ed. London: Facet Publishing.

Jain, A.K and others Ed. (1995). Marketing of Information products and services. Ahmedabad: IIM.

Kotler, P. (1975). Marketing for non-profit organization. Prentice-Hall.

Saez, E.E. (1993). Marketing concepts for Libraries and Information services.

IASLIC (1988). Marketing of Library and Information services (13th IASLIC Seminar papers), Calcutta: IASLIC.

Optionals

MLO – 205 Information Literacy

(3 Credits / 75 Marks)

Unit 1

- Information literacy: Meaning, Definition, Need, Evolution of the concept. Historical perspective of Information literacy.
- Types of Information Literacy: Technology literacy, media literacy, computer and digital literacy.
- Levels of Information Literacy: Entry level, Mid-level, High level, Advanced level. Lifelong learning and its components. 15 Hours

Unit 2

- Partners of Information literacy.
- Models of Information literacy: SCONUL model and CAUL (Australian) model.
- Guidelines and standards for Information literacy programs: ALA and ACRL. - 10 Hours

Unit 3

- Information literacy programmes.
- Role of Libraries in Information literacy.
- Information literacy instructions in different types of Library and Information centers 10 Hours

Unit 4

- Current trends in Information literacy.
- Study of Information literacy programs in the world.
- Information Literacy Competencies
- Challenges facing Information literacy. 10 Hours

Selected Readings:

1. American Library Association. Final Report of Presidential Committee on Information Literacy. www.ala.org/at/nill/litt1sthtml
2. Barker, K. and Lonsdale, R. Ed. (1994). Skills for life: the value and meaning of literacy. London: Taylor Graham.

3. Bawden, D.(2001). Information and digital literacies: a review of concepts. <http://gti/edu.um.es.8080/gomez/hei/intranet/bawden/pdf>.
4. Eisenberg, M.B. , Lowe, C.A. & Spitzer, K.L. (2004). Information literacy: Essential skills for Information age. London: Libraries unlimited.
5. Meadows, A.J. Ed. (1991). Knowledge and communication: essays on the Information chain. London: Library Association.
6. Pantry, Sheila and Griffiths, Peter (2002). Creating a successful e-Information service. London: Facet.
7. Zorana Ercegovac (2008). Information literacy: search strategies, tools & resources for high school students and college freshmen. California: ABC-CLIO

MLO – 206 Scholarly Communication

(3 Credits / 75 Marks)

Unit 1

- Republic of Science and Scholarship: Foundations of Science and scholarship. Principles and paradigms of scientific culture/scholarship: Historical perspective of scholarly communication systems. Scholarship and scholarly traditions.
 - Study of journals, their functions, working and processes. The importance of scientific and professional societies in journal publishing; the peer review process; the migration of peer review journals from print to Web-based; Serials pricing crisis phenomena.
- 15 Hours

Unit 2

- Rise of Internet as game changer in scholarship, communication, and daily lives.
 - Evolution of Internet/Electronic publishing; Web 2.0 and the emergence of Wikipedia; slideshare; You Tube; blogs and others as mainstream media. E-Science, Open Data and cyber Infrastructure.
- 10 Hours

Unit 3

- Open Access Movement: understanding OA—concepts, principles, ideology and philosophy of Open Source, Open Content; Open Educational Materials and Open Access to scientific literature; the Green and Gold route to OA. Familiarity with the people and organisations behind the OA movement.
 - Study of Open source software for IR and DL: DSpace; Eprints ; Fedora ; Kete
- 10 Hours

Unit 4

- Copyrights issues. Understanding copyrights. Creative Commons. Licensing issues.
 - Scientometrics and metrics of scholarly communication. Innovations in measuring Science and scholarship. Mapping Science and tools and parameters: usage and influence factors.
- 10 Hours

Selected Readings:

1. Derricourt, R.(1996). An author's guide to scholarly publishing, Princeton, N.J. : Princeton University Press.
2. Andersen, D.L.(2004). Digital scholarship in the tenure, promotion, and review process. Armonk, N.Y. : M.E. Sharpe.
3. Donohue, J. C. (1974). Understanding scientific literatures: bibliometric approach, Cambridge, MIT Press.
4. Gabriel, Michael. (1989). A guide to the literature of electronic publishing: CD-ROM, desktop publishing, and electronic mail, books and journals, Conn. : Jai Press.
5. <http://www.Library.cornell.edu/scholarlycomm/openaccessday.html>
6. Machlup, F. and others Eds.(1980). Information through the printed word : The dissemination of scholarly, scientific, and intellectual knowledge. 1978-1980. . New York : Praeger Publishers.
7. Nisonger, T. E. (2007). Journals in the core collection: Definition, identification, and applications. *The Serials Librarian*, 51(3-4), 51-73.
8. Rowlands, I. and Nicholas, D. (2005). New journal publishing models: an international survey of senior researchers. London, CIBER, 2005. Available at http://www.ucl.ac.uk/ciber/ciber_2005_survey_final.pdf
9. Rowlands, I. *et al.* (2004). Scholarly Communication in the digital environment: what do authors want? London, CIBER. Available at: <http://www.ucl.ac.uk/ciber/ciber-pa-report.pdf>.
10. Saha, S. *et al.* (2003). Impact factor: a valid measure of journal quality? *Journal of the Medical Library Association* 91: 42-6. Available at <http://www.pubmedcentral.nih.gov/picrender.fcgi?artid=141186&blobtype=pdf>
11. Gorman, G.E.(2005). Scholarly publishing in an electronic era. 2005. London: Facet Pub.

12. Schroter, S. (2005). Perception of open access publishing: interviews with journal authors. *British Medical Journal*, 330: 756.
<http://dx.doi.org/10.1136/bmj.38359.695220.82>
13. Medford, N.J.(2000).The web of knowledge: a festschrift in honor of Eugene Garfield. N.J., Information Today.
14. Tibbitts, G. (2006). Measuring quality in journal publishing: new and emerging methods. Presentation at International Academy of Nurse Editors conference, London, August 2003. Available at:
http://www.blackwellpublishing.com/press/files/2006_08August03_INANE_Conference_London_GTV2.ppt

MLC 207 - Dissertation

(12 Credits / 300 Marks)

Candidate has to prepare a dissertation on a topic approved by the departmental council under the supervision of a faculty of the department. The Dissertation work will start from the beginning of the first semester and end two weeks before the end of the second semester. There shall be a viva for assessment of the dissertation.

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