Regulations and Syllabus

Master of Library and Information Science
(M.L.I.Sc.)
(Two Years – Semester Scheme)
Under
Choice Based Credit System (CBCS)
(Framed Under Section 44(I) (c) of the KSU Act 2000)

From 2017-18 and onwards
BANGALORE UNIVERSITY
Department of Library and Information Science
Jnana Bharathi Campus, Bengaluru – 560056

Prof. Ramesha
Professor & Chairman

PROCEEDINGS OF THE MEETING OF BOARD OF STUDIES (BOS) IN LIBRARY
AND INFORMATION SCIENCE HELD ON 28\textsuperscript{th} JUNE 2016 AT 11.00AM IN THE
CHAIRMAN’S ROOM, DEPT. OF LIBRARY AND INFORMATION SCIENCE, J.B.
CAMPUS, BANGALORE – 560 056.

Members Present:

1. Prof. Ramesha Chairman
2. Prof. T.D. Kemparaju Member
3. Prof. B.D. Kumbar External Member
4. Dr. K.G. Jayarama Naik Member

Members Absent:

1. Prof. M. Veerabasavaiah Member
2. Prof. P.G. Tadasad External Member

The Meeting of Board of Studies began with Welcome note by the Chairman to all the
members. The members of BOS in Library and Information Science discussed the following
agenda and resolved as follows:

\textbf{Agenda 1. Approval Panel of Examiners for MLISc. Examination 2017-2018.}

The Members scrutinized the draft panel of examiners (both Internal and External)
keeping in view the eligibility, period of experience, areas of specialization etc. The board
approved the list with necessary modification.

\textbf{Agenda 2: Revision of Master of Library and Information Science Course Syllabus}

The Members gone through the old syllabus and revised content of the syllabus keeping in views
of the developments in Library and Information Science Education and Research. The board
approved the revised syllabus and resolved to forward to the same to the University.

(Signed)
(Prof. T.D. Kemparaju)
Special Invitee

(Prof. B.D. Kumbar)
External Member

(Dr. K.G. Jayarama Naik)
Member

(Prof. Ramesha)
Chairman, BOS

Dept. of Library & Information Science
Bangalore University
Bangalore-560 056
GUIDELINES AND REGULATIONS LEADING TO MASTER OF LIBRARY AND INFORMATION SCIENCE (TWO YEARS – SEMESTER SCHEME UNDER CBCS)

COURSE DETAILS:
- Name of the Department: Department of Library and Information science
- Subject: Library and Information science
- Faculty: Science
- Name of the Course: Master of Library & Information science (MLISc)
- Duration of the Course: 2 years – divided into 4 semesters
- Intake to the course: Sanctioned – 30 + Supernumerary Seats + 5 payment seats. Supernumerary as per the University regulations

OBJECTIVES
The objectives of the course are:
1. To develop in students potential for critical thinking particularly concerting goals of Library and Information centers.
2. To train students for a professional career in Library and Information Services.
3. To train students in handling information resources (Print and non-print) to facilitate access and provision of information sources.
4. To train students in using information technology tools and techniques in information access, service, management and archival activities.
5. To further the state of the art in library and information science through extension, research and publications.

ELIGIBILITY FOR ADMISSION TO THE COURSE
Candidates who have passed any degree examination in second class with 50% marks in aggregate and in optional subjects shall be eligible for admission. In case of SC/ST candidates, the percentage of marks for admission as per the University Guidelines issued from time to time.

MEDIUM OF INSTRUCTION
The medium of instruction is English.

ATTENDANCE
The students shall be considered to have completed the course if he/she has attended not less than 75% of the total number of working periods (Lectures, seminars, practical, dissertation taken together) during each semester.

CONTINUOUS EVALUATION
The continuous evaluation marks awarded to a student shall be based on the evaluation of the performance of the student in respect of the following
1. Attendance
2. Performance in tests
3. Assignments
4. Seminars
5. Practical Records, Internship Reports, Dissertation, etc.

The class test, assignment, seminar shall be conducted in respect of each theory and practical paper (wherever applicable) for the purpose of awarding continuous evaluation marks. The department council shall be decide to give test/seminar to candidates who absent themselves for the above, only if the council is convinced that the absence of the candidate is on valid grounds. However, the council will allow the candidate to avail this provision within the duration of the semester.

The marks obtained in the continuous evaluation in the first attempt shall be carried over to the examination in the subsequent attempts.

**APPEARANCE FOR EXAMINATION:**
A candidate shall apply for all papers of a semester when he/she appears for the examination of that semester for the first time.

**Scheme of Examination and Details of Course Patterns for MLISc., Degree Course (CBCS) 2017-2018 Onwards**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Paper</th>
<th>Instruction hrs/week</th>
<th>Duration of exam (hrs)</th>
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Master of Library and Information Science (MLISc.) Degree Course (CBCS)

I SEMESTER

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Soft Core

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II SEMESTER

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Soft Core

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**Open Elective**

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*The Dissertation work should starts from beginning of the III semester. The Dissertation should be submitted before commencement of 4th semester theory examination.*

**Abbreviations used:**

LISHCP = Library and Information Science Hard Core Paper  
LISSCP = Library and Information Science Soft Core Paper  
OEP= Open Elective Paper
I SEMESTER

LISHCP 101 FOUNDATIONS OF LIBRARY AND INFORMATION SCIENCE

Unit 1: Library and Its Developments in India: Library – Concept, meaning and definitions; Library Movement in India, Types of libraries and their functions and services. Academic Libraries – School library; College Library; University Library; Public Libraries – National Library of India, State Central Library and Special Libraries.

14hrs.

Unit 2: Information and Communication: Data, Information and Knowledge; Characteristics of Information; Communication – concept, meaning and types of Communication; Communication Model – Shannon-Weaver Model, Barriers to Communication

12hrs.

Unit 3: Library and Information Science Profession: Five Laws of Library Science and its Implications on Library Activities & Functions; Attributes of a LIS Profession; Professional ethics; Library and Information Science Education and Research in India

12hrs

Unit 4: Professional Associations, Library Public Relations and Extension Activities of library: Role of National and International Professional Bodies & Associations: ILA, IASLIC, KALA, IFLA, UNESCO; Extension activities of library: Library Publicity; Library guide; Public relations – Concept, need & purpose.

14hrs.

References:

4. Evans, Edward G., & Saponaro, Margaret Zarnosky. (2013). Developing Library and Information Center Collections / 5th ed., Libraries Unlimited,

**LISHCP 102: INFORMATION SOURCES**

Unit – 1: **Information Sources:** Concept, meaning and definition; Information generation, (life cycle); formats of Information Sources, and Evaluation, Characteristics and Importance of information sources.

10 hrs.

Unit – 2: **Types of information sources:** Documentary sources and Non-Documentary Sources: Documentary sources - Primary sources, Secondary Sources and Tertiary sources; Non-documentary sources - Human Sources and Institutional Sources

15 hrs.

Unit – 3: **Electronic Information Sources:** Concept, Meaning and Definitions; Growth and Development of e-resources. Characteristics and Importance of Electronic Information Sources; Types of Electronic Information Sources- E-books, E-Journals, e-Databases, Electronic Thesis and Dissertations(ETDs), DOAJ, DOAB and Open Access sources, Consortia based electronic resources: e-Shodhsindhu, NLIST, IIT's & IIM's Consortia etc.,

15 hrs.

Unit – 4: **Evaluation of Print, Electronic & Web based Resources** - Criteria for Evaluation of Print, Electronic & Web based Resources.

12 hrs.

References:

LISHCP 103: MANAGEMENT OF LIBRARIES AND INFORMATION CENTERS

UNIT-1: Basics of Library Management: Management: Concept, meaning and definitions and functions, Principles of Management and their application in libraries, Scientific Management: Definition, principles, advantages, its application to LICs, Management of Change: Concept, need, impact, strategies

12hrs.


14hrs.


14hrs.

UNIT-4: Financial Management and TQM: Preparation of library budget, Sources of Finance, Budgeting- Definition and Concept, Types of budgets, Accounting and Budgetary Control, Total Quality Management (TQM) - Its Concept and Techniques.

12hrs.

References:

**LISHCP 104: KNOWLEDGE ORGANISATION - CLASSIFICATION (THEORY)**

**Unit 1: Universe of Knowledge** - Universe of knowledge, Concept, Meaning and Definitions; Attributes of Knowledge; Need, Purpose and Functions of Knowledge Organisation; Process of Knowledge growth: Knowledge Production and Knowledge Distribution: Universe of Subject, Modes of formation of subjects.

12hrs.

**Unit 2: Library Classification:** Concept, Meaning and Definition; Need and Purpose and Features of Classification: Knowledge Classification and Library Classification; General and Dynamic Theory of Classification: Planes of work

12 hrs.

**Unit 3:** Normative Principles of classification - Laws, Canons, Principles, and Postulates;

12hrs.

**Unit 4:** Schemes of Library classification: Enumerative, Faceted and Analytico-Synthetic scheme: Study of Standard Schemes of Classification- CC, DDC, UDC: Notation - types, qualities and functions. Future of in Library Classification: BIBFRAME

16hrs.
References:
3. Fuchs, Caroline & Angel, Christine M. (2017). Organization, Representation and Description through the Digital Age /1st ed., De Gruyter Saur,
7. Ranganathan, S.R: Colon classification, Ed.6, SRELS, 1985(Reprint).
9. Svenonious, E: The intellectual foundations of information organization. Cambridge: MIT

LISHCP 105 KNOWLEDGE ORGANISATIONS (CLASSIFICATION PRACTICAL)
Classification of documents according to Dewey Decimal Classification (DDC) - Latest edition available in the Department.

Unit – 1: Introduction: Structure and organization of DDC 12 hrs
Unit – 2: Classification of simple Documents. 12 hrs
Unit – 3: Classification of documents using tables 15 hrs
Unit – 4: Classification of complex and compound documents 13 hrs

(Each student should maintain Practical Record and submit the same at the time of Practical Examination)

LISHCP 106 INFORMATION SOURCES (PRACTICAL)

Unit – 1: Information Sources: Print: Primary Sources 12 hrs
Unit – 2: Information Sources: Print: Secondary and Territory Sources 12 hrs
Unit – 3: Criteria for evaluation of print and electronic sources 15 hrs
Unit – 4: Exercises on e-Resources 13 hrs

(Each student should maintain Practical Record and submit the same at the time of Practical Examination)
UNIT: 1 Marketing of Information products and services: Concept, Meaning and Definitions of Information & library marketing; Information as a Resource and commodity; Need and purpose Marketing of library products and services; Concept of marketing in non-profit organizations.

10hrs.

UNIT: 2 Planning of information products and services: Planning and development of information products and services. Marketing Mix: Seven P’s, four C’s, Marketing strategies. Branding and Advertising.

10hrs.


6hrs.

References:

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II SEMESTER

LISHCP 201 INFORMATION SERVICES AND SYSTEMS

Unit – 1: Information Services: Concept, meaning, definitions: Scope and Types of Information Services – Traditional Library Services and Web-enabled Library and Information Services; Need and Importance of information services. 10 hrs.


Unit – 4: Study of Global information systems – Objective, functions and Services of INSPEC, MEDLARS, BIOSIS, COMPENDEX, ISI. 12 hrs.
References:

LISHCP 202: CATALOGUING AND METADATA (THEORY)

Unit: 1 Organization of Knowledge: Concept, Meaning and Definitions; Organization of Information Sources; Catalogues, Indexes, Bibliographies; Library catalogue: Definition, Purpose, Need and functions; Forms of Catalogue - Physical forms and Inner forms of catalogue;

Unit 2: Study of Library Catalogue Codes - Evolution of Catalogue Codes: From Panizzi to AACR2 (R) and FRBR-RDA: Resource Description Framework (RDF)

Unit 3: Subject cataloguing: Concept, Purpose, and importance; Subject heading lists – LCSH, SLSH, MESH and Thesaurus; Chain Procedure; Cooperative, Centralized and Union Catalogue.

Unit 4: Standards for Bibliographic Description – Metadata Standards - MARC21, Dublin Core; DCAT (Data Catalog Vocabulary), Z39.50, PREMIS (Preservation Metadata: Implementation Strategies), Current trends in Library Cataloguing.

References:

14hrs

Unit 2: Data Representation and File Organization: Binary Codes, Character Encoding Standards-ASCII, ISCII and Unicode, File Organization

12hrs

Unit 3: Communication Technologies: Digital and Analog Signals, Modulation, Frequency, Bandwidth and Multiplexing.

12hrs

Unit 4: Library Networks and Resource Sharing: Network Architecture, types of Network, Library Networks: INFLIBNET, DELNET, NICNET, Resource sharing through Library Consortia: e-Shodhasindu, NLIST, IIT's, IIM's etc.,

14hrs

References:
19. e- Shodh Sindhu: https://www.inflibnet.ac.in/ess/
20. INFLIBNET: https://www.inflibnet.ac.in/
21. DELNET: http://delnet.nic.in/
22. NICNET: http://www.nic.in/about-us
23. INDEST: http://paniit.iitd.ac.in/indest/
24. NLIST: http://nlist.inflibnet.ac.in/

**LISHCP 204 INFORMATION TECHNOLOGY – I (Practical)**

Unit 1: Exercise in the use of operating systems: (MS DOS and Windows) 12hrs.
Unit 2: Word Processors – MS-WORD/ Open Office Writer 12hrs.
Unit 3: Spread sheets _ MS-EXCEL 16hrs.
Unit 4: Presentation packages _ MS-Power Point/Open Office Presenter 12hrs.

*(Each student should maintain Practical Record and submit the same at the time of Practical Examination)*

**Note:** Marks for Practical Examination: (2 hours per batch)
- 50 Marks for practical Examination
- 25 Marks for Practical Record
- 20 Marks for Assessment and Test (Internal Test)
- 05 Marks for Attendance
**LISHCP 205: CATALOGING AND METADATA (PRACTICAL)**

Document cataloging according to AACR-2R, MARC-21 and Dublin Core.

**Unit – 1:** Catalog of Single, joint authors and mixed authors.  
12 hrs

**Unit – 2:** Cataloging of serials publication, multi volumes and corporate publications.  
10 hrs

**Unit – 3:** Cataloging of Pseudonym, periodicals and electronic resources.  
16 hrs

**Unit – 4:** Metadata: MARC 21 and Dublin Core  
14 hrs

(Each student should maintain Practical Record and submit the same at the time of Practical Examination)

**LISHCP 206 INFORMATION SERVICES (PRACTICAL)**

**Unit 1:** Compilation of Bibliography and Indexing of Books  
16 hrs

**Unit 2:** News Paper Clippings  
12 hrs

**Unit 3:** Preparation of Abstract  
12 hrs

**Unit 4:** Indexing of Periodical/Journal Articles  
12 hrs

(Each student should maintain a Practical Record and submit the same at the time of Practical Examination)

**LISSCP 207: INFORMATION POLICIES AND LAWS (Weekly 2 hours)**

**Unit 1:** National Information Policy:  
Concept, Definition, Need and purpose; Information Use, Fair Use, Misuse, Institutional Repository (IR) Policy, Open Access Policy.  
10hrs.

**Unit 2:** Library Legislation in India:  
Library Legislation: Concept, Definition and Importance, Library Legislation in India, Karnataka Public Library Legislation Act (KPLA), Delivery of Books and Newspapers (DB) Act, IT Act of Govt. of India.  
10hrs.

**Unit 3:** Intellectual Property Right (IPR):  
Intellectual Property Right (IPR) - Copyright, Trademark, and Patents; Right to Information (RTI), E-governance, Plagiarism: Concept, Definition and types.  
06hrs.
References:

8. The Digital Millennium Copyright Act: Highlights of New Copyright Provision Establishing Limitation of Liability for Online Service Providers,” Medical Library Association:

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III SEMESTER
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LISHCP 301: INFORMATION PROCESSING & RETRIEVAL (INDEXING)

Unit – 1: Information Retrieval system: Basic concepts, objectives, components and functions.

13hrs

Unit – 2: Indexing and indexing languages: Thesaurus: meaning, features, purpose and functions; Design and development of thesaurus, Natural language processing. Information search process: query analysis and formulation, search strategy and search techniques

16hrs

Unit – 3: Indexing system – Pre-coordinate and Post-coordinate indexing systems, chain indexing, PRECIS, KWIC, Citation indexing, Automatic indexing.

13hrs

Unit – 4: Evaluation of IR system – Criteria for evaluation, recall and precisions selected experiment e.g., MEDLARS, STAIR and SMART. Trends in information Retrieval system

10hrs
References:
3. Chernyi, A.I: introduction to information retrieval theory, 1973
19. Wei, Chia-Hung (2013). Modern Library Technologies for Data Storage, Retrieval, and Use / 1st ed., IGI Global,
LISHCP 302: RESEARCH METHODOLOGY


12hrs


12hrs

UNIT-3: Methods of Research: Methods of Research: Survey Method, Case Study Method, and Delphi Techniques; Sampling techniques – probability and non-probability techniques; Methods of Data Collection: Questionnaire, Interview and Observation, Historical/Recorded data. Data analysis and Interpretation.

14hrs


14hrs

References:
27. Krishna Kumar (1992): Research methods in library in social science. Vikas, New Delhi,

**LISHCP 303 INFORMATION USE AND USER STUDY**

**Unit – 1: Information user and their needs:** Categories of information users; Information seeking behavior: Concept, definitions and models of Information Seeking Behaviour (ISB).

13hrs

**Unit – 2: User studies:** Concept, definition, importance of user studies, Types of user's studies

11hrs

**Unit – 3: Methods, techniques and Strategies of user studies.** Method of Data Collection – Interview method, questionnaire, Dairy and Observation methods.

13hrs

**Unit – 4: User Education and Information Literacy:** concept, meaning and definition, Need and scope, planning and designing of user education. Methods and techniques of user education programme; Information literacy and its types, methods of conducting Information Literacy programme.

15hrs

**References:**
5. Girija Kumar and Krishan Kumar: Philosophy of user education, New Delhi, Vikas. 1983.

**LISHCP 304 INTERNSHIP TRAINING (practical)**

Each student has to work for a period of **4 weeks** as Internship trainee in a selected library to get firsthand experience on various functions, activities and services. The student has to submit a report of work done in selected library under the guidance and supervision of the concerned library staff before the commencement of theory examination.

**LISHCP 305 KNOWLEDGE ORGANISATION (UDC-PRACTICAL)**

Classification of documents according to UDC (latest edition)

**Unit – 1:** Introduction: Structure and organization of UDC 12 hrs

**Unit – 2:** Classification of simple documents. 12 hrs

**Unit – 3:** Classification of documents using Auxiliary tables 15 hrs

**Unit – 4:** Classification of complex documents 13 hrs

*(Each student should maintain Practical Record and submit the same at the time of Practical Examination)*

**OPEN ELECTIVE**

**OE (OPEN ELECTIVE): P306 INFORMATION LITERACY**

**Unit -1:** Information literacy: Concept, Meaning, Definitions, Need and Importance of Information Literacy. Historical Development of Information Literacy in India and Aboard. 10 hrs.

**Unit – 2:** Types of information literacy: Technology literacy, Computer literacy, media literacy, and digital literacy. Lifelong learning and its components. 14 hrs.

**Unit – 3:** Models of information literacy: Partners of Information Literacy, Role of Libraries and Information Centers in Information Literacy. Information Literacy Models - SCONUL model, CAUL model and BIG6 model and Empowering 8 Model etc., 14 hrs.
Unit – 4: **Global perspectives of information literacy**: Study of Information literacy programmes – UK, USA and Australia; Information literacy in India; Current trends in information literacy. 14 hrs.

References:

IV SEMESTER

LISHCP 401: WEB TECHNOLOGIES

Unit - 1: World Wide Web: History and Evolution, Uniform Resource Locator (URL), Web Servers. 10hrs.

Unit - 2: Web Browsers and Search Engines: Browsers- Netscape Navigator, Internet Explorer, and Mozilla Firefox, Search Engines- Google and Yahoo 13hrs

Unit - 3: Web Desining and Scripting; Introduction to Mark Up languages: SGML, HTML and XML. Scripting languages: Client-side Scripting – VB Script and Java Script; Server-side Scripting- ASP and JSP; HTML, Open source Web design 15hrs.

Unit - 4: Web Tools and apps; Identification, Selection and Criteria for evaluation of websites. Web Tools and Apps for LIS. 14hrs.

Selected readings


LISHCP 402 LIBRARY AUTOMATION AND DIGITAL LIBRARY


Unit-2: Planning for Integrated Library Management System (ILMS): hardware, software, technical standards etc.; ILMS software – Proprietary software and FOSS (Free and Open Source Software) – Koha, NewGenLib; Areas of ILMS – Acquisition, Cataloguing, Access to Catalogue (OPAC), Circulation and Serial Control. 14hrs
Unit 3: Digital Library and Digital Library Software: Digital Libraries: Concept, Definition, Objectives and Characteristics; Digital Library initiatives in India – Digital Library of India (DLI); National Digital Library of India (NDLI); Digital Library Software: Features of Digital Library Software – DSpace, Green Stone Digital Library (GSDL)


References:
8. Nicole Hennig. (2014). Apps for Librarians: Using the Best Mobile Technology to Educate, Create, and Engage. Libraries Unlimited,
LISHCP – 403 LIBRARY AUTOMATION (PRACTICAL)

1. **Unit 1**: Introduction to Library Automation Software Packages – Proprietary and Free and Open Source Software (FOSS)  
   06 hrs.

2. **Unit 2**: Features of KOHA, NEWGENLIB and SOUL software  
   06 hrs.

3. **Unit 3**: Hands on Practice DBMS – WINISIS or MS Access  
   18 hrs.

4. **Unit 4**: Hands on Practice KOHA – Integrated Library Management System Software (ILMS)  
   22 hrs.

*(Each student should maintain Practical Record and submit the same at the time of Practical Examination)*

*Note:* Marks for Practical Examination: (2 hours per batch)
- 50 Marks for practical Examination
- 25 Marks for Practical Record
- 20 Marks for Assessment and Test (Internal Test)
- 05 Marks for Attendance

LISHCP 404: DIGITAL LIBRARY (PRACTICAL)

**Unit 1**: Introduction to Digital Library and Content Management System (CMS) Software – Proprietary and Free and Open Source Software (FOSS)  
06 hrs.

**Unit 2**: Features of DSpace, GSDL and Eprint software  
08 hrs

**Unit 3**: Hands on Practice DSpace or GSDL  
20 hrs.

**Unit 4**: Hands on Practice CMS - Drupal or Joomla  
18 hrs.

*(Note: Each student should maintain Practical Record and submit the same at the time of Practical Examination)*

*Note:* Marks for Practical Examination: (2 hours per batch)
- 50 Marks for practical Examination
- 25 Marks for Practical Record
- 20 Marks for Assessment and Test (Internal Test)
- 05 Marks for Attendance

LISHCP 405: DISSERTATION

**Weekly 4 hours**

The Dissertation shall starts from beginning of the III semester and it should be submitted on or before commencement of IV Semester Theory Examination.