

Rabindra Bharati University
Department of Library & Information Science
M.Lib.I.Sc. (Semester) Syllabus

(Recommended by the Board of Studies held on 22.4.2013)

Approved by EC on 25.6.2013 and confirmed on 12.7.2013

Structure

Paper	Subject	Final Exam Marks	Exam Hours	Internal Assessment	Full Marks	CREDIT	NO.OF CLASS
MLI-101	Information & Communication	40	2 Hrs	10	50	5	80
MLI-102	Information Analysis, Consolidation and Repackaging	40	2 Hrs	10	50	5	80
MLI-103	Information Processing (Theory)	40	2 Hrs	10	50	5	80
MLI-104	Resource Description (Theory)	40	2 Hrs	10	50	5	80
MLI-105	Information & Communication Technology (Theory)	40	2 Hrs	10	50	5	80
MLI-106	Management of Information System & Organizations	40	2Hrs	10	50	5	80
MLI-107	Research Methodology	40	2Hrs	10	50	5	80
MLI-108	Information & Communication Technology (Practical)	40	3Hrs	10	50	5	112
	Total	320		80	400	40	672
	2 nd Semester						
MLI-201	Information Economics & Knowledge Management	40	2Hrs	10	50	5	80
MLI-202	Content Design & Technical Writing	40	2Hrs	10	50	5	80
MLI-203	Information Processing (Practical)	40	3Hrs	10	50	5	112
MLI-204	Resource Description (Practical)	40	3 Hrs	10	50	5	112
MLI-205	Digital Library System	40	2Hrs	10	50	5	80
MLI-206	Information System Analysis & Design	40	2Hrs	10	50	5	80
MLI-207	Library Statistics and Informetrics	40	2Hrs	10	50	5	80
MLI-208	Dissertation	40	-	Viva-Voce - 10	50	5	--
	Total Marks	320		80	400	40	624

Syllabus in details

Semester-I

MLI-101: Information & Communication

FM 40 CR-5 (80 Classes)

Aim: the intention of this paper is to provide knowledge about various sources of information, communications

Objectives:

1. To provide knowledge about various information sources
2. To introduce students with the concept of communication including channels, barriers and models.

Unit 1: Knowledge and Information

Concept, Characteristics, Trends, Impact in LIS, Taxonomy, Flow of Information

Unit 2: Information Science

Concept, Information Science in Computer Science Vs Library Science,
Information Storage and Retrieval- concept and policies, issues

Unit 3: Communication

Types, Models, Process, tools/media, scholarly communication

Unit 4: Social Impact

Social Development, National and Global Information policies,
Information system model in society

MLI-102: Information Consolidation Analysis and Repackaging **FM 40 CR-5 (80 Classes)**

Aim: Aim of this paper is to introduce information analysis, repackaging and consolidation

Objectives:

1. To develop acquaintance with abstracting and trends in Information analysis
2. To impart skills in Information analysis, repackaging and consolidation.

Unit 1: General Concept and Overview

Need, Objective, Features, Products

Unit 2: Information Seeking behavior

Need, Analysis, Method, Models

Unit 3: Methodology

Planning & Preparation, Design, Development, Evaluation

Unit 4: Product and Services

Presentation, Illustrations, Standards and Marketing

MLI-103: Information Processing (Theory)

FM 40 CR-5 (80 Classes)

Aim: The aim of the paper is to introduce concepts in information processing and retrieval

Objectives:

1. To introduce the concept of ISR including indexing languages, vocabulary control, search strategies etc.
2. To familiarize students with Information retrieval models and develops skills in designing thesaurus

Unit 1: System Approach to Subject

Universe of Subject, Subject as System, Theory of Integrative level

Unit 2: Absolute Syntax

Concept, Components of Subject, Controlled Vocabulary, Standards

Unit 3: Classification Scheme Design

Principles, Objectives, Manifestation,
 Unit 4: Intellectual Organization
 Tools, Techniques, AutoClassification, WebDewey

MLI-104: Resource Description (Theory) FM 40 CR-5 (80 Classes)

This paper aims to familiarize the students with the concepts of resource description.

The objectives are :

1. To introduce various concepts, theories and principles in cataloguing.
2. To provide knowledge about various standards in document description and bibliographic exchange.

Unit 1: Bibliographic Organization

Principles, Rules, Designing methodology, Code

Unit 2: Subject Indexing

Subject Indexing Language, Indexing Systems, Design, Products

Unit 3: Evaluation of IR

Meaning, Scope, Models, Evaluation Techniques/methodologies, Test

Unit 4: Standards

ISBD (ER), FRBR, DCMS, GILS, TEI, OCLC Manual, MARC, ISO2709

MLI-105: Information & Communication Technology (Theory) FM 40 CR-5 (80 Classes)

Aim: the intention of this paper is to provide knowledge about information, communication and information technology

Objectives:

1. To introduce students with the concept of information and communication including channels, barriers and models.
2. To provide knowledge about various aspect of advance level information technology applicable in Library and Information Science

Unit 1: Information Technologies

Meaning, Scope, System, Services, Tools, Techniques, Impact in LIS

Unit 2: DBMS

Architecture, Models, E-R Model, Normalization,

Unit 3: Web Application

Web database, Evaluation, Content Design, Content Management

Unit 4: Communication & Networking

Media, Caballing, Network Architecture, Topology, Standards

MLI-106: Management of Information System & Organization FM 40 CR-5 (80 Classes)

Aim: The intention of this paper is to prepare students to carry out library house keeping operations.

Objectives : 1. To train students in selecting and acquiring of documents.

2. To teach the practices of accessioning, circulation and maintenance of documents.

Unit 1: Planning and Management

Methodology, Factors, Assessment, MBO,

Unit 2: Organisation Management

Ideology, Structure, Design, Standards

Unit 3: Financial Management

Budgeting techniques, Resource mobilization, Cost-benefit analysis, Outsourcing

Unit 4: Human Resource Management

Manpower planning, Delegation, Job description and analysis, Discipline and Grievance, Training and promotion

MLI-107: Research Methodology

FM 40 CR-5 (80 Classes)

Aim: The aim of this paper is to develop research skills in students and enable them to carry out their own research as well as helps others to research as professional librarian.

Objectives:

1. To give an advanced exposure to the students about the research
2. To develop acquaintance with intensive techniques and skills of research process.
3. To familiarize the art and style of writing a research report

Unit 1: Research and its categories

Meaning, Characteristics, Importance, Types, Methods

Unit 2: Research Design

Techniques and methodologies, Analysis and Interpretation

Unit 3: Data Representation

Sample, Population, Questionnaire, Schedule, Sampling, Observation, On-line Survey, Presentation Methodology

Unit 4: Research Structure

Research Report Writing, Structure, Documentation, Standards

MLI-108: Information & Communication Technology (Practical) FM 40 CR 5 (112 Classes)

Aim: The purpose of this paper is to provide knowledge about the information technology and its applicability in library & Information centers

Objectives:

1. To introduce students computer and its components
2. To familiarize the students with various operating systems and Internet Searching

Unit 1: Design and Handling Database (MySql/ MSSQL Server/) ASP/JSP/ PHP

Unit 2: Handling LMS (SOUL/ KOHA)

Unit 3: Content Management (DHTML/ XML-CSS/Open Source Software)

Unit 4: Database Evaluation, Search query

Semester-II

MLI-201: Information Economics & Knowledge Management FM 40 CR-5 (80 Classes)

Aim : To provide an general understanding of system analysis and quality assessment of library and information systems, centres etc.

Objectives

1. To provide the students an idea of various aspects of systems analysis

2. To make understandable how to measure and maintain quality control of library and information systems and centres

Unit 1: Information as Resource

Information as resource and commodity

Unit 2: Marketing

Concept, Roll of mass media, Knowledge Brokers, Information Brokers.

Unit 3: Knowledge management

Meaning, scope, coverage

Unit 4: Knowledge Society

Information Society, Knowledge Society, Tools, Issues

MLI-202: Content Creation & Technical Writing

FM 40 CR-5 (80 Classes)

Aim: The aim of this paper is to impart knowledge and skill of technical writing and content design.

- Objectives: 1. To make them aware various guide lines of writing of technical documents;
2. To prepare skill of writing content in digital environment

Unit 1: Guideline

Structure, Presentation, Condensation, abstracting, digesting, standards.

Unit 2: Technical Writing

Meaning, Objective, mechanism, style, tools

Unit 3: Technical Editing

Guidelines, proof reading, Standards, Manuals

Unit 4: Software Documentation and Content Creation

E-content creation. Writing of help menu of any product/service/software

MLI-203: Information Processing (Practical)

FM 40 CR-5 (112 Classes)

Aim: the purpose of this course is to impart practical knowledge about knowledge organization.

Objectives:

1. To introduce various applications of theories in classification.
2. To provide hands on practice knowledge about standard schemes of classification for knowledge organization and document classification

Unit 1: Knowledge Organization of MicroDocuments using (UDC/CC/LC/DDC) 20

Unit 2: Designing Depth Classification Schedule 20

MLI-204: Resource Description (Practical)

FM 40 CR-5 (112 Classes)

Aim: The purpose of this paper is to provide practice in document cataloguing.

Objectives:

1. To impart skills in using DDC/Sears List/LC in classifying various documents
2. To impart skills in cataloguing documents using AACR II and CCC

Unit 1: Cataloguing of NBM and E-Resource 20

Unit 2: Designing Controlled Vocabulary/ Thesaurus/ Indexing of micro documents 20

MLI-205: Digital Library System

FM 40 CR-5 (80 Classes)

Aim: The purpose of this paper is provide knowledge about the computer applications and its applicability in library and information centers

Objectives:

1. To introduce concepts of automation and their applications in libraries;
2. To familiarize students with library management and digital library software and their evaluation
3. To develop skills to plan and implement library automation and digitization

Unit 1: Genesis

Definition, Objectives, Scope, Electronic-Virtual Library

Unit 2: Architecture

Design, Models, DL Initiatives

Unit 3: Metadata & Metadata Harvesting

Types, Functions, Schemes, Inter-operability and Cross Walk. OAI /PMH

Unit 4: Open Source Digital Repository

DSpace/GreenStone/ EPrint

MLI-206: Information System Analysis & Design **FM 40 CR-1 (80 Classes)**

Aim: Aim of this paper is to introduce information analysis, repackaging and consolidation

Objectives:

1. To develop acquaintance with abstracting and trends in Information analysis
2. To impart skills in Information analysis, repackaging and consolidation.

Unit 1: Library as System

SWOT, DFD, Performance evaluation, Time and motion study

Unit 2: Designing of networks

Planning, Scope, Benefit, Cost Analysis, Library Consortia, Network Analysis (PERT/CPM)

Topic 3: Total Quality Management (TQM)

Concept, Elements, Application, Standard, Certifying Authority

Unit 4: Ergonomics

Concept, Impact in Library

MLI-207: Library Statistics and Informetrics

FM 40 CR-5 (80 Classes)

Aim: The aim of this paper is to develop research skills through data analysis using various statistical applications in students

Objectives:

1. To give an advanced knowledge of handling bibliographic data
2. To understand and gain knowledge of various statistical applications for bibliographic data analysis
3. To familiarize the use of various statistical software and packages

Unit 1: Statistical Method

Data collection and presentation, Correlation and regression, Probabilities, Variance analysis, Hypothesis testing

Unit 2: Operation Research

Techniques, Monte Carlo technique

Unit 3: Bibliometric Distribution

Bibliometrics, Scientometrics, Zipf's law, Bradford's laws, Brooke's law, Lotkas law, Vickery's Interpretation

Unit 4: Informetrics with statistical packages

Informetrics, Citation Analysis, Rank and size frequency distribution, Aging, Obsolescence, Half-life. MS-Excell, SPSS, R

MLI-208: Dissertation on Specific Areas

FM 40

CR-5

Aim: The aim of this paper is to study the subject of and state of the art of specific areas.

Objectives

- (i) specific areas of contemporary Library and Information Science field, or
- (ii) applications of any tools and techniques of Library and Information Science, or
- (iii) growth and trends of Library and Information Science, or
- (iv) design and development of specific product, service or system

