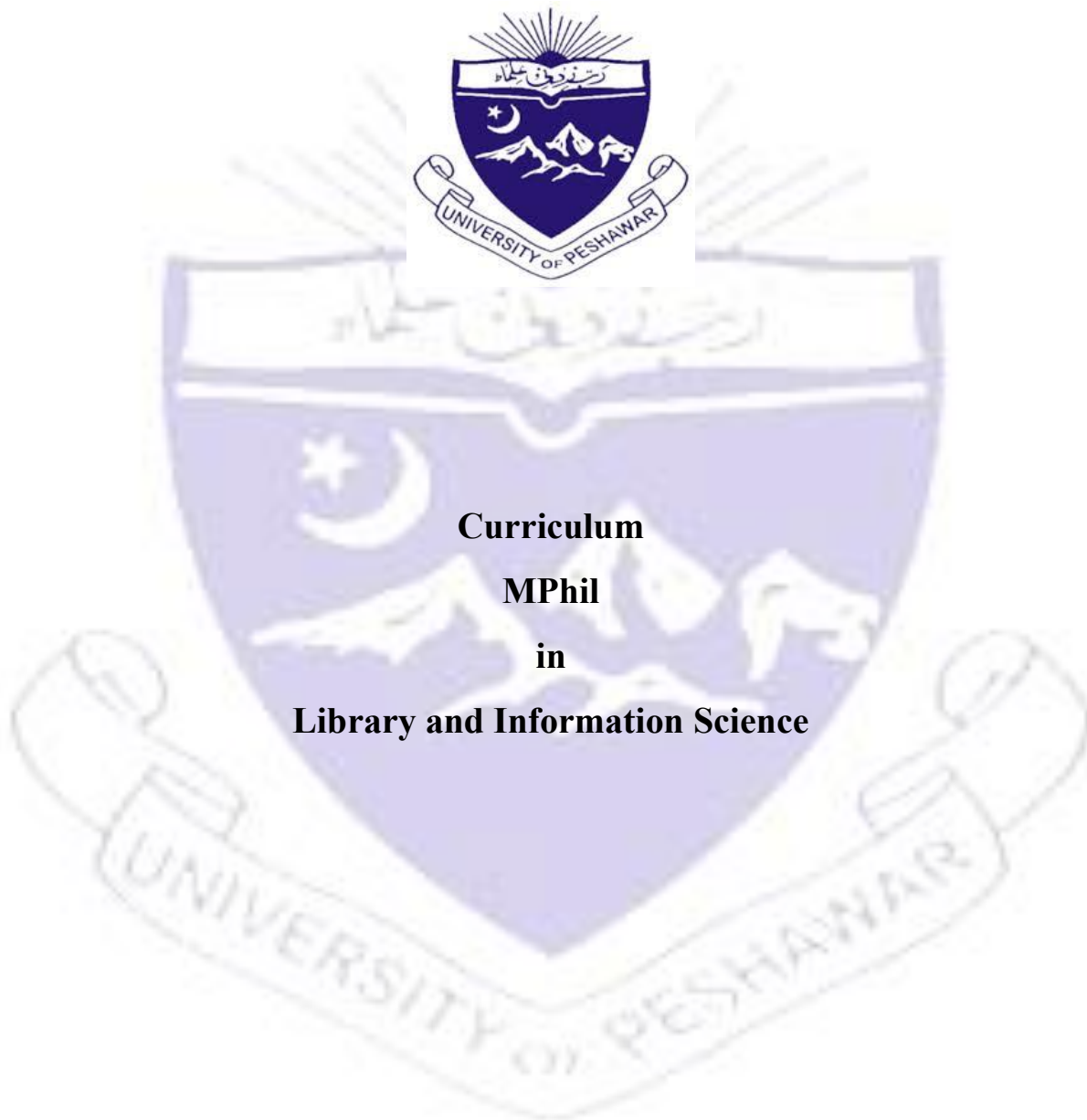


UNIVERSITY OF PESHAWAR



DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

UNIVERSITY OF PESHAWAR

JUNE 26, 2025

SEMESTER I

S.N.	COURSE	CREDITHOURS	CATEGORY
1	Theoretical Foundation of Library and Information Science	3	Core
2	Quantitative Research Methods	3	Core
3	Elective – I **(Library and Information Science Education)	3	Elective
4	Elective – II **(Marketing of Library Services and Products)	3	Elective

Total Credits (12)

SEMESTER II

S.N.	COURSE	CREDITHOURS	CATEGORY
1	Qualitative Research Methods	3	Core
2	Elective – III **(Organizational Behavior)	3	Elective
3	Elective – IV **(Research Seminar in Library and Information Science)	3	Elective
4	Elective – V **(HRM in Libraries and Information Centers)	3	Elective

Total Credit Hours (12)

SEMESTER III

S.N.	COURSE	CREDITHOURS	CATEGORY
1	Thesis ***/Course Work	6 ****	Research/Course Work

SEMESTER IV

S.N.	COURSE	CREDITHOURS	CATEGORY
1	Thesis ***/Course Work	Continued	Research/Course Work

Additional Elective Courses:

The MPhil student (Course Work Based) will take any **two** optional courses of 03 credit hours provided as under:

Optional Courses	Title of the Course	Credit Hours
LIS-713	Emerging Technologies Applications in LIS	03
LIS-714	Communication Skills for Information Professionals	03
LIS-731	Information Literacy	03
LIS-715	Intellectual Property Rights	03
LIS-732	Management and Information System	03
LIS-741	Information Retrieval System and Techniques	03
LIS-742	Advanced Statistical Application in LIS Research	03
LIS-743	Archive Management and Preservation	03
Total Credit Hours		12

***Courses to be Taken in 3rd and 4th Semesters (One Course in each Semester)**

NOTE:

* These are core mandatory courses for the program.

** The university/department may offer any advanced course in Library and Information Science as an elective, where required, as per its program objectives, the university's geographical location, and available academic and faculty resources. Credit combination (reflecting a balance of theory and practical work) must be arranged in accordance with the nature of the course.

*** Research work for a thesis must be performed by students individually as per the university's policy, including but not limited to the protocols for topic selection, allocation of supervisor and co-supervisor (where required), thesis submission, defence, and evaluation as approved through its statutory bodies.

**** Credit hours for research work/thesis/course work may be increased (above 6 credit hours) subject to the approval of the university's relevant statutory body.

Degree Award Requirements

The following minimum requirements are prescribed for the award of a Master of Philosophy (MPhil) in Library and Information Science:

- a) A minimum of twenty-four (24) credit hours, including nine (9) credit hours for core courses and fifteen (15) credit hours for elective courses as prescribed in this policy document, must be completed.
- b) In addition to the twenty-four (24) credit hours of coursework, research work/thesis of a minimum of six (06) credit hours must also be completed individually as partial fulfillment of the degree program. Those students who do not want to do research work can take a minimum of 6 credit hours of coursework.
- c) A 6-credit hour coursework can be substituted for research as per HEC Graduate Education Policy 2023.
- d) CGPA must not be below 2.50/4.00 at the time of completion of the degree program. The university may, however, set higher standards in this regard.
- e) The minimum duration required to complete the degree is three (03) regular semesters, which may be extended to eight (08) regular semesters. The summer semester is not considered a regular semester.

COURSE LEARNING OUTCOMES

FOUNDATION OF LIBRARY AND INFORMATION SCIENCE

By the end of the course, students will be able to:

- ☐ Demonstrate an understanding of the fundamental principles, theories, history and concepts in library and information science (LIS),
- ☐ Know the standardization in the LIS profession
- ☐ Aware with the nature of the LIS profession, education and ethics.

INFORMATION, LIBRARY AND SOCIETY

By the end of the course, students will be able to:

- ☐ To explore the environment in which library and information professionals work.
- ☐ To understand the social, political and economic context in which libraries and other information agencies operate.
- ☐ To understand the nature of library and information and their role in society.

COMMUNICATION SKILLS FOR INFORMATION PROFESSIONALS

By the end of the course, students will be able to:

- ☐ Demonstrate effective verbal & non-verbal communication skills, including presenting information clearly and confidently, engaging in active listening, and facilitating discussions with diverse audiences in professional settings.
- ☐ Produce clear, concise, and well-structured written documents, such as memos, emails, and user guides
- ☐ Learn technical writing skills, writing proposals, letters, formal & informal reports

MANAGEMENT OF LIBRARY AND INFORMATION CENTERS

By the end of the course, students will be able to:

- ☐ Learn basic understanding of managerial and administrative concepts and their application in library & information centers.
- ☐ Know the theories and principles of administration for effective management of library & information centers.
- ☐ Understand the key management models, processes, aspects and the role of information professionals in organizations.

KNOWLEDGE MANAGEMENT

By the end of the course, students will be able to:

- ☐ Understand definitions, theories, practices, and techniques of knowledge management.
- ☐ Assess and implement various knowledge sharing and transfer methods, with a focus on electronic environments, to facilitate effective knowledge dissemination within organizations.
- ☐ Evaluate the effectiveness of different KM systems and tools, considering ethical and legal issues, and manage knowledge workers to optimize organizational performance.

COLLECTION DEVELOPMENT AND MANAGEMENT

By the end of the course, students will be able to:

- ☐ Familiarize with the philosophy, principles and main elements of collection development and management (CDM).
- ☐ Develop insights and methods for dealing with issues about collection development and management, including policy development, selection process,

acquisition options, weeding, preservation and conservation strategies for print and electronic resources using relevant theories and practices.

- ☐ Identify the opportunities and challenges posed by electronic materials in the information environment, covering ownership versus leasing models, the differences in licensing options from the major publishers and aggregators.
- ☐ Gain valuable insight regarding the impact of e-materials on the publishing industry and scholarly communication.

APPLIED CATALOGUING

By the end of the course, students will be able to:

- ☐ Learn basic principles and rules of cataloguing procedure according to AACR2.
- ☐ Perform cataloging practice of print, non-print material, serials and electronic material.
- ☐ Develop basic understanding about English and Urdu choice of access points.
- ☐ Learn and practice different cataloguing formats, standards and frameworks (MARC, Metadata, FRBR, RDA, BIBFRAME etc.)

APPLIED CLASSIFICATION

By the end of the course, students will be able to:

- ☐ Classify library collection using classification schemes such as DDC.
- ☐ Demonstrate an appreciation for the importance of standardized classification systems by consistently adhering to established protocols during cataloging exercises
- ☐ Demonstrate the application of subject headings and understand the nature of subject heading lists

MARKETING OF LIBRARY AND INFORMATION SERVICES

By the end of the course, students will be able to:

- ☐ Understand theoretical and practical aspects of marketing concepts to libraries and information centers
- ☐ Develop skills in preparing marketing plans for library and information services
- ☐ Apply technology tools and techniques to meet users' information needs

ARCHIVES AND RECORD MANAGEMENT

By the end of the course, students will be able to:

- ☐ Describe the evolution of methods and technologies used to create, store, organize, and preserve records.
- ☐ Describe the components of archival programs (appraisal, acquisition/disposition, inventory, arrangement, description, preservation, access, use and outreach)
- ☐ Describe legal and ethical issues surrounding archives and records administration.

INFORMATION SOURCES AND SERVICES

By the end of the course, students will be able to:

- ☐ Develop the ability to understand reference and information queries through conducting effective reference interviews.
- ☐ Able to identify and use appropriate reference and information sources to find answers to reference questions.
- ☐ Apply criteria to be used in evaluating reference and information sources.
- ☐ Demonstrate knowledge of users' information needs, seeking, and information use.

EMERGING TECHNOLOGIES APPLICATION IN INFORMATION ORGANIZATION

By the end of the course, students will be able to:

- ☐ Learn emerging trends and technologies and their applications in libraries/information centers
- ☐ Evaluate the impact of emerging technologies, such as artificial intelligence, blockchain, and the Internet of Things, etc, on information organizations and their services
- ☐ Apply IT tools and techniques to support information management and services.

PROJECT MANAGEMENT

By the end of the course, students will be able to:

- ☐ Demonstrate an understanding of core project management concepts, tools, and techniques in the context of library and information science.
- ☐ Design, implement, and evaluate library-related projects, such as digital archives, collection development, and library renovation, using structured project management methodologies.
- ☐ Effectively manage time, budget, personnel, and technology to ensure the successful execution of library projects while adhering to institutional policies and user needs.
- ☐ Identify potential risks, challenges, and ethical considerations in library project management and develop strategies for long-term sustainability and continuous improvement.

WEB DEVELOPMENT IN LIBRARIES

By the end of the course, students will be able to:

- ☐ Analyze how web technologies enhance library services, user engagement, and digital accessibility.
- ☐ Apply fundamental web development skills (HTML, CSS, JavaScript, etc) to create user-friendly and responsive library websites.
- ☐ Integrate digital catalogues, databases, and interactive tools to improve library resource discovery and accessibility.
- ☐ Apply best practices for web accessibility (WCAG, Web Content Accessibility Guidelines) and cybersecurity measures to protect library users and data.

ONLINE INFORMATION RETRIEVAL

By the end of the course, students will be able to:

- ☐ Understand the concepts and philosophy of online information retrieval
- ☐ Demonstrate proficiency in using advanced search techniques, Boolean operators, and filtering tools to retrieve accurate and relevant information from online databases, search engines, and digital repositories.
- ☐ Assess the reliability, validity, and bias of online sources using established frameworks and criteria for digital literacy.

ORGANIZATION OF INFORMATION

By the end of the course, students will be able to:

- ☐ Learn the concepts of organization of both print and electronic information.

- ☐ Understand theories and trends of cataloging and classification.
- ☐ Familiarize themselves with the contributions of Pakistani LIS professionals towards the organization of information.

INFORMATION ETHICS, POLICY AND LAWS

By the end of the course, students will be able to:

- ☐ Understand the key ethical principles in library and information science, such as privacy, intellectual property, access to information, and the digital divide, in real-world scenarios.
- ☐ Describe and address ethical challenges in information management, including digital issues, censorship, and balancing user rights with legal responsibilities, while advocating for policies promoting equitable access and privacy protection.
- ☐ Demonstrate and analyze the impact of laws and policies on information access, focusing on copyright, data protection, and freedom of information.

QUANTITATIVE RESEARCH

By the end of the course, students will be able to:

- ☐ Know and articulate the concept, philosophy and terminology of quantitative research
- ☐ Identify and describe various methods for doing quantitative research
- ☐ Learn the procedure of survey research, topic identification, report writing and statistical tests.

LIBRARY AUTOMATION SYSTEMS

By the end of the course, students will be able to:

- ☐ Enhance students' knowledge of library automation concepts, trends, developments and systems,
- ☐ Familiarize students with the components and functionality of integrated library systems (ILS)
- ☐ Understand library automation standards and protocols
- ☐ Students learn about various library software, including open-source options like Koha, etc.

INFORMATION VISUALIZATION

By the end of the course, students will be able to:

- ☐ Familiarize with the history, importance and types of information visualization
- ☐ Applications of visualization in libraries and visualization of library data (circulation, collections, user behaviour)
- ☐ Understand the principles and design of data visualization

- ☐ Comprehend data types, formats, cleaning and processing techniques using Excel/Biblioshiny, etc.

QUALITATIVE RESEARCH

By the end of the course, students will be able to:

- ☐ Basic philosophical and methodological approaches of qualitative research.
- ☐ Familiarize with various steps and specific methods of qualitative research
- ☐ Learn about basic qualitative data collection, analysis and interpretation techniques

INFORMATION LITERACY INSTRUCTIONS

By the end of the course, students will be able to:

- ☐ Understand basic concepts and terminology of information literacy instruction.
- ☐ Familiarity with varying IL conceptions, models, standards, and frameworks
- ☐ Develop practical skills for designing, delivering and evaluating information literacy programs.

DIGITAL LIBRARIES

By the end of the course, students will be able to:

- ☐ Understand theoretical knowledge of digital libraries' key concepts, design, architecture and challenges
- ☐ Learn digitization and implementation of digital library management systems
- ☐ Understand the basic issues, problems, and approaches to digital libraries.
- ☐ Develop skills for designing digital libraries.

APPLICATION OF INFORMATION SYSTEMS

By the end of the course, students will be able to:

- ☐ Understand the theoretical knowledge about information systems, particularly those currently used in library and information settings
- ☐ Inculcate the practical skills to implement library automation systems and digital library management systems
- ☐ Develop certain skills for using (software to search, retrieve, and digital repositories) information systems in libraries

THEORETICAL FOUNDATION OF LIBRARY AND INFORMATION SCIENCE

By the end of the course, students will be able to:

- ☐ Evaluate the philosophical and epistemological foundations of Library and Information Science critically
- ☐ Elaborate the purpose and role of Library and Information Science in society
- ☐ Study the growth of LIS as a discipline and profession
- ☐ Understand and apply models, theories, laws and practices in information science

QUANTITATIVE RESEARCH METHODS

By the end of the course, students will be able to:

- ☐ Understand the nature and purpose of quantitative research
- ☐ Understand the specific quantitative research designs
- ☐ Develop the ability to use quantitative data analysis software
- ☐ Develop the ability to interpret the quantitative data

By the end of the course, students will be able to:

- ☐ Comprehend the philosophical and methodological approaches of qualitative research.
- ☐ Familiarize with various qualitative research designs, such as phenomenology, grounded theory, and case study, etc.
- ☐ Learn about qualitative data collection methods, including interviews, observations, and document analysis.
- ☐ Familiarize various qualitative data analysis techniques, such as coding, memoing, and theme identification.
- ☐ Introduce various qualitative data analysis software, such as NVivo, Atlas. ti etc.

