UNIVERSITY ☙ OF MYSORE
Established: 1916

Vishwavidyanilaya Karyasoudha,
Crawford Hall, Mysore-570 005.

No.AC.2(S)/785/19-20

Dated: 12.07.2019

NOTIFICATION

Sub: Revision in the syllabus of existing Ph.D. course work of M.L.I.Sc.
from the Academic Year 2019-20.

Ref: 1. Decision of Board of Studies in Library and Information Science (CB)
meeting held on 26.12.2018.
2. Decision of the Faculty of Science & Technology Meeting held
on 01.04.2019.
3. Decision of the Academic Council meeting held on 07.06.2019.

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The Board of Studies in Library and Information Science (CB) which met on 26.12.2018 has recommended to make revision in the syllabus of existing Ph.D. course work from the Academic Year 2019-20.

The Faculty of Science and Technology and Academic Council meeting held on 01.04.2019 and 07.06.2019 respectively have approved the above said proposal and the same is hereby notified.

The modified Ph.D. course syllabus of M.L.I.Sc. is annexed. The contents may be downloaded **from the University Website i.e., www.uni-mysore.ac.in**.

Draft approved by the Registrar

Sd/-
Deputy Registrar (Academic),

To:

1. The Registrar (Evaluation), University of Mysore, Mysore.
2. The Dean, Faculty of Science & Technology, DOS in Zoology, Manasagangotri, Mysore.
3. The Chairperson, BOS in Library and Information Science (CB), DOS in Library and Information Science, Manasagangotri, Mysore.
4. The Chairperson, Department of Studies in Library and Information Science, Manasagangotri, Mysore.
5. The Director, College Development Council, Moulya Bhavan, Manasagangotri, Mysore.
6. The Deputy/Assistant Registrar/Superintendent, AB and EB, UOM, Mysore.
7. The P.A. to the Vice-Chancellor/Registrar/Registrar (Evaluation), UOM, Mysore.
8. Office file.

<p style="text-align:center">UNIVERSITY OF MYSORE</p>

DEPARTMENT OF STUDIES IN LIBRARY AND INFORMATION SCIENCE

Syllabus for Ph.D. Course Work in Library and Information Science

The course work shall be the following pattern (as per 6.1 of Ph.D regulations – 2017)

Sl. No.	Course Title	Credits in L:T:P	Credit Value	Formative Assessment Marks	Summative Assessment Marks	Total marks	Minimum to be scored for successful completion
1	Research Methodology	2:3:0	5	30	70	100	50
2	Literature review in the area of research	1:4:0	5	30	70	100	50

Formative assessment and Summative assessment

Paper 1 – Research Methodology:

The performance of the candidate shall be assessed in continuous mode based on the performance in tutorials/ seminars/ assignment/ practical - practice sessions/ discussions / review test(s). The duration of the main theory examination will be 3 hours.

Paper 2 - Literature review in the area of research:

The performance of the candidate shall be assessed in continuous mode based on identifying a broad area for research and making a proposal, justifying the need and tracing the motivation and relevance, Material / Literature collection, discussion and seminar, Preparation of a draft report, identifying an approximate statement of the research problem and discussion. The summative assessment is based on Report and Formal presentation and defence.

Paper 1 – Research Methodology:

Existing	Revised
Advanced Research Methodology	**Research Methodology**
Unit-1	**Unit-1**
Research methods: Scientific methods, Historical methods, Descriptive methods, Survey method, Observation method, Experimental method, Case-Study method, Delphi method, Content analysis and informetrics and Scientometrics.	Research: Meaning, Definition, Purpose. Types of Research. Steps in Research Process. Criteria of Good Research. Research Ethics- Importance, Principles/ Guidelines. Major Ethical Issues. Ethics Committees. Publication Ethics. Concept of

	Academic Integrity. Avoiding Plagiarism. Plagiarism Detection Tools. Intellectual Property Right, Copyright, Indian Copyright Act. Identification and Formulation of Research Problems. Literature Review: Its Purpose and Objectives in Research. Organizing the Related Literature. Sources and Search Techniques. Formulation of Hypothesis. Research Design. Writing Research Proposals.
Unit-2 Research techniques, tools and sampling: Questionnaire, Scheduling, Interview, Observation, Scales and checklist, Library records and reports, Concept of study population and sampling, need for sampling, Types of Sampling – Random and non-random sampling techniques.	**Unit-2** Research Methods, Tools and Techniques in Library and Information Science research. Qualitative & Quantitative Methods: Surveys - Use of Primary and Secondary Documentary Sources, Interviewing, Focus Groups, Case Studies, Diaries, Observation, Evaluation, Delphi Method, Discourse Analysis, Visual Analysis, Analysis of Records (bibliometrics, system logs, content analysis) and Experimentation. Interviewing Techniques, Questionnaire Design. Variables, Samples and Sampling Techniques. Validity, Reliability and Representativeness of Data. Measuring Scientific Productivity: Citation Databases, Impact Factor and its variants, h-index, SNIP, SJR. Unique Author Identification Systems.

Unit 3	Unit 3
Data processing and statistical analysis : Statistical analysis of data; Measures of central tendency, Mean, Median & Mode; Measures of dispersion – Range, intermediate ranges, measures of aggregate dispersion, mean-absolute deviation, the variance and standard deviation & normal distribution. Chi-square test.	Processing and Analysis of Data: Scales of Measurement, Measures of Central Tendency and Dispersion, Correlation and Regression Analysis. Testing of hypotheses. Chi- square Test, z-test, t-test, and Goodness-of-fit test. Level of Significance and Confidence Intervals. Multiple Regression Analysis, Factor Analysis, Discriminant Analysis. Analysis of Variance and Co-variance. Curve Fitting. Introduction to the Statistical Packages: PSPP / SPSS/ R/ Excel. Validation of Data. Interpretation and Presentation of Data- Graphical and Tabular, Frequency Tables, Histogram, Frequency Curves.
Unit 4	**Unit 4**
Data collection tools: Observation - Rating scale check list; Questionnaire – Types of questions, structured and unstructured questions, Cautions regarding questions and questionnaires. Interview schedule – Types, Merits & limitations; Measurements indices, Pilot studies. Graphical presentation of data and report writing: Meaning and importance, Communally used graphics forms - Live graphs or charts. Histograms, Frequency polygons, Ogive bar charts, Pie charts & pictogram. Organization of reports. Steps in writing research	Research Reporting and Thesis Writing: Structure, Components & Guidelines. Style Manuals. Functions & Features of Reference Management Systems. Practical Familiarity with APA Style Manual and one of the Reference Management Metric Studies – Bibliometrics, Scientometrics, Webometrics, Altemetrics etc. Systems such as Mendeley & Zotero. Presentation of Research Reports: Use of Visual Aids. Importance of Effective Communication of Research. Writing Research Papers for Journals, Seminars and Conferences. Evaluation of Research Reports and Scientific Papers.
Unit 5	
Report writing; Referencing style; Statistical packages reports, writing style.	

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