

**SHIVAJI UNIVERSITY,
KOLHAPUR.**

**B
Accredited By NAAC
(2010)**

M. Phil / Ph. D. Course Work Syllabus

Subject : Library and Information Science

Faculty : Social Science

From June 2010 Onwards

(Subject to the modifications to be made from time to time)

Shivaji University, Kolhapur
Department of Library & Information Science
M.Phil. / Ph.D. Course Work Syllabus

The course work of M. Phil. / Ph. D. programmes primarily intends to develop the professional abilities and skills of researchers and LIS professionals working in Academic, Public, Special Libraries and similar Library Systems and Information / Documentation Centres. In particular, it enhances and enriches their professional knowledge and research insight as well.

The M. Phil. / Ph. D. Course Work Consists of Four Parts as Under

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|--|-------------------------|
| A) Three Theory Papers of 100 Marks Each . | Total Marks : 300 Marks |
| B) Seminars : 02 | : 50 Marks |
| C) Dissertation | : 200 Marks |
| D) Viva-Voce | : 50 Marks |

A. Three Theory Papers : 100 Marks Each

M. PHIL AND PH.D COURSE WORK

Compulsory Paper

COMMON SYLLABUS FOR
SOCIAL SCIENCES (ECONOMICS, SOCIOLOGY, POLITICAL SCIENCE,
HISTORY, JOURNALISM, MASS COMMUNICATION),
COMMERCE AND MANAGEMENT,
EDUCATION, LAW, AND WOMEN STUDIES
Year of Implementation: from June, 2011

Paper –I (Compulsory)

Research Methodology, Quantitative Techniques, and Computer Application

Preamble:

Research at M.Phil. / Ph.D course is essential for the subjects (i.e. History, Economics Commerce, Women studies and Journalism etc.). It finds selection to the problems in the field as well as equip the students with research theory and skills for conduct of research at doctoral, post doctoral levels and undertake need based research projects and

for the development of the society as a whole. The transaction tools like; discussion, group work, seminar, use of web resources, library resources can be used for teaching the paper.

The course work of this paper will be taught in total 60 contact hours/days. Each unit will be taught in 15 contact hours/days. The contact hours allotted to each unit are adjustable to the total contact hours.

The course work for M.Phil./Ph.D is categorized into four components;

- (a) Research Methodology with 30 marks' weightage
- (b) Quantitative Techniques with 30 marks' weightage and
- (c) Computer Application with 20 marks' weightage
- (d) Practical on QTs and Software application with 20 marks' weightage.

(Important Note: Teaching can be shared by couple of Departments; means the Department, which is unable to teach this paper, can send their students to other Departments with request to a particular Department and a copy sent to the University office. While doing so the number of students in the combine class should not go more than 50.)

Unit- 1: Fundamentals of research

- (a) Basic principles of research
- (b) Theory building, facts, concepts, constructs and definitions
- (c) Valuable and its attributes
- (d) Ethics in research
- (e) Preparation of proposal
- (f) Review of literature, formation and types of hypothesis and testing of the hypothesis
- (g) Research designs, sampling designs, methods, techniques and tools of research
- (h) Creativity, innovation, originality and advancement of knowledge and application to the society

Unit- 2 Communication and evaluation of research

- (a) Report writing and the writing of research papers
- (b) Presentation of research proposals
- (c) Evaluation of research report
- (d) Presentation of research : Oral and Written (abstracts/synopsis)

Unit- 3 Quantitative Method

- (a) Use of quantitative method in research
- (b) Types and sources of data
- (c) Data analysis for specific type of data
- (d) Tabulation and graphical representation
- (e) Central tendency
- (f) Dispersion
- (g) Correlation
- (h) Regression
- (i) Use of chi square
- (j) Steps involved in applying chi—square test
- (k) Non parametric or free distribution tests
- (l) Testing of hypothesis for non parametric data

Unit- 4 Computer application for research

- (a) Word processing
- (b) Data processing
- (c) Graphical processing
- (d) Use of web-2 tools for research
- (e) Use of excel
- (f) Use of SPSS
- (g) Use of graphical software
- (h) Use of multimedia tools

References

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Engalhart Max D. (1972), Methods of educational Research, Rand McNally and Company, Chicago

Coburn Peter and others (1982), Practical guide to Computers in Education, Addison Wesley Publication Company, California

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William Philip at. Al (1973), Evaluation and Assessment of educational Studies: A third level course methods of educational enquiry, The Open University Press, Walton Hall Blethaley Buckinghamshire

Mariampolski H.(2001) Qualitative Market Research – A Comprehensive Guide Sage Publication, India Ltd, New Delhi

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**Paper II RECENT TRENDS IN LIBRARY AND INFORMATION
SCIENCE (COMPULSORY)**

Objectives:

1. To create understanding among the students about the emerging role of ICT.
2. To give an extensive exposure to the application of ICT in LIS.
3. To create friendly acquaintance with the converging technologies.

Unit I: Information and Communication Technology(ICT)

- Origin and Growth.
- Information Technology and its components.
- Communication Technology and its components.
- Role of ICT in the Development of LIS centers.

Unit II: Types of Networks and Security measures.

- Types of Network & Network topologies.
- Network Components: UTP, Optical Fibers, Ethernet, Network interface card, Hub, Routers, modems and requirements of Wi-fi.
- Planning of computer network in Library and Information centres.
- Network security measures.

Unit III: Relational Database Management Systems(RDBMS)

- Introduction and concept of RDBMS.
- DBMS vs. RDBMS
- RDBMS software; Proprietary and Open source.
- Interfaces for RDBMS using SQL.
- Development of database using MySQL.

UNIT IV: Internet

- Internet based services.
- Types of Internet Connectivity
- Web browsers.
- Web Servers and its functions
- Search Engines
- Website design using HTML/XHTML
- Blogs and RSS Feeds.
- Internet Security
- Use of Internet in LIS.

UNIT V: Digital Library (DL)

- Introduction and Basic Concepts
- Hardware and Software for DL
- Content creation for DL
- Intellectual Property Right (IPR) Issues.
- Digitization and preservation.
- Development of DL using Greenstone/Dspace
- Important DL projects in the world and India.

Paper III : MANAGEMENT OF LIBRARY SYSTEM

NOTE : Any one of the Optional Papers given below with 80 marks of University examination + 20 marks of Presentation on a review of published research papers from the National / International journals on the concerned specialized areas.

Paper III : MANAGEMENT OF ACADAMEC LIBRARY SYSTEM .(OPTIONAL)**Objectives :**

1. To train the students to become effective Library System Managers.
2. Acquainting the students with emerging management skills and techniques useful for Academic Libraries.
3. Familiarizing the students with the analysis and utilization of resources in Academic Libraries.

Unit I : Schools of Management Thought

- Principles of Scientific Management
- Historical Overview of Management
- Recent Managerial Philosophies and Practices

Unit II : Human Resource Management in Academic Libraries

- Recruitment and Organizational Structure of staff.
- Job : Description, Analysis and Evaluation
- Motivation and Human Relations
- Discipline, Grievances and Performance Evaluation.

Unit III : Financial Management in Academic Libraries

- Resources Mobilization and Methods for Formulation of Budget
- CBA and Cost Effectiveness
- Budgetary control and Outsourcing

Unit IV : Management of Physical Resources in Academic Libraries

- Planning of Library Building : Features and Standards and Space Management
- Furniture and Equipments
- ICT Infrastructure
- Organization of Collections (Print/Non-Print)
- Library Services and Products

**Paper III : MANAGEMENT OF SPECIAL LIBRARY SYSTEM.
(OPTIONAL)****Objectives :**

1. To train the students to become effective Library System Managers.
2. Acquainting the students with emerging management skills and techniques useful for Special Libraries.
3. Familiarizing the students with the analysis and utilization of resources in Special Libraries.

Unit I : Schools of Management Thought

- Principles of Scientific Management
- Historical Overview of Management
- Recent Managerial Philosophies and Practices

Unit II : Human Resource Management in Special Libraries

- Recruitment and Organizational Structure of staff.
- Job : Description, Analysis and Evaluation
- Motivation and Human Relations
- Discipline, Grievances and Performance Evaluation.

Unit III : Financial Management in Special Libraries

- Resources Mobilization and Methods for Formulation of Budget
- CBA and Cost Effectiveness
- Budgetary control and Outsourcing

Unit IV : Management of Physical Resources in Special Libraries

- Planning of Library Building : Features and Standards and Space Management

- Furniture and Equipments
- ICT Infrastructure
- Organization of Collections (Print/Non-Print)
- Library Services and Products

**Paper III : MANAGEMENT OF PUBLIC LIBRARY SYSTEM.
(OPTIONAL)**

Objectives :

1. To train the students to become effective Library System Managers.
2. Acquainting the students with emerging management skills and techniques useful for Public Libraries.
3. Familiarizing the students with the analysis and utilization of resources in Public Libraries.

Unit I : Schools of Management Thought

- Principles of Scientific Management
- Historical Overview of Management
- Recent Managerial Philosophies and Practices

Unit II : Human Resource Management in Public Libraries

- Recruitment and Organizational Structure of staff.
- Job : Description, Analysis and Evaluation
- Motivation and Human Relations
- Discipline, Grievances and Performance Evaluation.

Unit III : Financial Management in Public Libraries

- Resources Mobilization and Methods for Formulation of Budget
- CBA and Cost Effectiveness
- Budgetary control and Outsourcing

Unit IV : Management of Physical Resources in Public Libraries

- Planning of Library Building : Features and Standards and Space Management
- Furniture and Equipments
- ICT Infrastructure
- Organization of Collections (Print/Non-Print)
- Library Services and Products

B. Seminars : 02 : 50 Marks

Every student will present 02 Seminars of 25 marks each; viz. one on theory related papers and one on Review of Literature on published research in the relevant field.

C. Dissertation : 200 Marks**D. Viva-Voce based on Dissertation : 50 Marks****Equivalences to the Old and New Papers**

Sr. No.	Paper No. and Title of Old Paper	Paper No. and Title of New Paper
1	Paper I : Advanced Research Methods and Techniques	Paper I : Advanced Research Methods and Techniques
2	Paper III : ICT Application in Library and Information Science	Paper II : Recent Trends in Library and Information Science
3	Paper II : Information Resource Management	Paper III : Management of Library System

- **The Medium of Instruction shall be English**
- **The Student should write the Answers in English**
- **The Student has to Secure Minimum 40% Marks in Theory Papers (I, II and III) to Complete the Course Work.**