

ಮಂಗಳೂರು
MANGALORE



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ
UNIVERSITY

(Accredited by NAAC with 'A' Grade)

ಕ್ರಮಾಂಕ/ No. : MU/ACC/CR.46/2014-15/A2

ಕುಲಸಚಿವರ ಕಛೇರಿ

ಮಂಗಳಗಂಗೋತ್ರಿ - 574 199

Office of the Registrar

Mangalagangothri - 574 199

ದಿನಾಂಕ/Date: 15.02.2016

NOTIFICATION

Sub: Revised syllabus for Ph.D. Course work in Library and
Information Science

Ref: Academic Council decision No.: 3:20(2015-16), dated 25.01.2016.

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The revised Syllabus for Ph.D Coursework in Library and Information Science which approved by the Academic Council at its meeting held on 25.01.2016 is hereby notified for implementation with effect from the academic year 2015-16.

  
REGISTRAR.  
KW.

To:

- 1) The Chairmen of P.G. Departments/ Co-ordinators of P.G. Courses/ Principals of the Recognised Colleges/ Directors of Recognised Institutions of Mangalore University.
- 2) The Chairman, Board of Studies in subject concerned.
- 3) The Superintendent (ACC), O/o the Registrar, Mangalore University.
- 4) Guard File.

# MANGALORE UNIVERSITY

## DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

### DRAFT SYLLABUS FOR COURSE WORK FOR PH.D. IN LIBRARY AND INFORMATION SCIENCE

**Eligibility for Admission:** Holders of Master Degree in Library and Information Science or its Equivalent

| Papers  | Particulars          | Hours of Instruction per week | Duration of Examination (hrs) | Marks |        |       | Credits |
|---------|----------------------|-------------------------------|-------------------------------|-------|--------|-------|---------|
|         |                      |                               |                               | IA    | Theory | Total |         |
| Paper 1 | Research Methodology | 4                             | 3                             | 30    | 70     | 100   | 4       |
| Paper 4 | Review of Literature |                               |                               |       |        |       |         |
|         | Review Report        | 16                            | -                             | -     | -      | 150   | 8       |
|         | Viva                 | -                             | -                             | -     | -      | 50    | 2       |
|         |                      |                               |                               |       |        |       | 14      |

#### **PAPER – I : RESEARCH METHODOLOGY**

- Unit 1** : Research: Meaning, Definition Need and Purpose, Types of research, Barriers to research. **08hrs**
- Unit 2** : Research Design: Identification, selection and formulation of a research problem Hypothesis: Meaning, Definitions, Types, Formulation and Testing of hypothesis. Research design: Definition, Types and their characteristics, Preparation of a research proposal. **08hrs**
- Unit 3** : Research Methods: Scientific methods, Historical method, Descriptive method, Survey method, Case Study method, Experimental method, Delphi method, Content analysis and Informetrics and Scientometrics. **08hrs**
- Unit 4** : Research Techniques Tools and Sampling: Questionnaire, Schedules, Interview, Observation, Scales and Checklists, Library records and reports, Concept of study population and Sampling, Need for sampling, Types of sampling-Random and Non-random sampling techniques, Sample Bias and error. **08hrs**
- Unit 5** : Data Analysis and Interpretation: Descriptive analysis, inferential analysis, Data processing and analysis using SPSS, Interpretation of data including statistical testing of hypothesis using parametric and non-parametric measures. **08hrs**
- Unit 6** : Research Reporting and Evaluation: Structure, Style and Contents, Guidelines for reporting Style manuals-Chicago, MLA, APA, e-citation, Criteria for evaluation of research report. **08hrs**
- Unit 7** : LIS research: Overview, Trends, ethical issues, LIS Research in India: Problems and Prospects. **08hrs**

## References:

1. Busha, CH & Harter, SP: Research Methods in Librarianship: Techniques and Interpretation, New York Academic 1980.
2. Mohsin , SM: Research Methods in behavioural Sciences ,Kolkatta Orient Longman, 1984.
3. Sharma , RN & Sharma, RK: Research methods in Social Sciences, Bombay, Media Promoters & Publishers Pvt. Ltd., 1987.
4. Sing, Sadhu: Research Methodology in Social Sciences, Bombay, Himalaya Publishing House, 1980.
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6. Wilson , EB: Introduction to scientific Research , New Delhi, Mc- Graw Hill, 1952.
7. Young, PV: Scientific Social Surveys and research, Ed 4, New Delhi, Prentice Hall, 1982.
8. Charles, H. et.al.: Research methods in librarianship: Techniques and interpretations, New Delhi: Sage, 1993.
9. Fowler, F.J.: Survey research methods. New Delhi: Sage, 1993.
10. Goode, W.J. and Hatt, P.K.: Methods in social Science research. New Delhi: McGraw Hill, 1986.
11. Krishan Kumar: Research methods in Library and Information Science. New Delhi: Vikas,1992.
12. Krishnaswami, O.R.: Methodology of Research in Social Sciences. Bombay, Himalaya, 1993.
13. Leddy, P. D.: Practical research: Planning design. London: Clive-Bingley, 1980.
14. Line, M.B.: Library surveys, London: Clive Bingley, 1967.
15. Nicholas D. and Ritchil, M.: Literature and bibliometrics. London: Clive Bingley, 1979.
16. Ravichandra Rao, I.K.: Quantitative methods for Library and Information Science. New Delhi: Wiley Eastern, 1985.
17. Slater, M.: Research methods in Library and Information studies. London: L.A., 1990.

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ಕ್ರಮಾಂಕ/ No. : MU/ACC/CR 67/2020-21/A2

ಕುಲಸಚಿವರ ಕಛೇರಿ

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Office of the Registrar  
Mangalagangothri - 574 199

ದಿನಾಂಕ/Date:25.11.2021

**NOTIFICATION**

Sub: Revised syllabus for Ph.D. Coursework in Library and  
Information Science –reg.

Ref: Academic Council approval vide agenda

No.: ಎಸಿಸಿ:ಶೈ.ಸಾ.ಸ.2: 18(2021-22) dated 27.10.2021

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The revised syllabus for Ph.D. Coursework in Library and Information Science which has been approved by the Academic Council at its meeting held on 27.10.2021 is hereby notified for implementation with effect from the academic year 2021-22.

  
REGISTRAR

To,

1. The Chairman, Dept. of Library and Information Science, Mangalore University, Mangalagangothri
2. The Chairman, BOS in Library and Information Science, Mangalore University.
3. The Registrar (Evaluation), Mangalore University.
4. The Superintendent (ACC), O/o the Registrar, Mangalore University.
5. The Asst. Registrar (ACC), O/o the Registrar, Mangalore University.
6. The Director, DUIMS, Mangalore University – with a request to publish in the website.
7. Guard File.

# MANGALORE UNIVERSITY

## DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

### SYLLABUS FOR COURSE WORK FOR PH.D. IN LIBRARY AND INFORMATION SCIENCE

**Eligibility for Admission:** Holders of Master Degree in Library and Information Science or its Equivalent

|          |                                       | or its Equivalent             |                               | Marks |        |       | Credits |
|----------|---------------------------------------|-------------------------------|-------------------------------|-------|--------|-------|---------|
| Papers   | Particulars                           | Hours of Instruction per week | Duration of Examination (hrs) | IA    | Theory | Total |         |
| Course 1 | Research Methodology                  | 4                             | 3                             | 30    | 70     | 100   | 4       |
| Course 2 | Research and Publication Ethics (RPE) | 2                             | 3                             | 30    | 70     | 100   | 2       |
| Course 3 | Review of Literature                  | 14                            | -                             | -     | -      | 150   | 6       |
|          | Review Report                         |                               |                               |       |        | 50    | 2       |
|          | Viva                                  |                               |                               |       |        | -     | -       |
| Total    |                                       |                               |                               |       |        |       | 14      |

CHAIRMAN

Chairman

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE  
Mangalore University  
Mangalagangothri - 574 193, D.K.

## ANNEXURE

### **Course Title:**

- **Research and Publication Ethics (RPE)**-Course for awareness about the publication ethics and publication misconducts.

### **Course Level:**

- 2 Credit course (30 hrs.)

### **Eligibility:**

- M.Phil., Ph.D. students and interested faculty members (It will be made available to post graduate students at later date)

### **Fees:**

- As per University Rules

### **Faculty:**

- Interdisciplinary Studies

### **Qualifications of faculty members of the course:**

- Ph.D. in relevant subject areas having more than 10 years' of teaching experience

### About the course

#### **Course Code: CPE- RPE**

#### **Overview**

- This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. Hands-on-sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

#### **Pedagogy:**

- Class room teaching, guest lectures, group discussions, and practical sessions.

#### **Evaluation**

- Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation. Final written examination will be conducted at the end of the course.

### Course structure

- The course comprises of six modules listed in table below. Each module has 4-5 units.

| Modules         | Unit title                     | Teaching hours |
|-----------------|--------------------------------|----------------|
| <b>Theory</b>   |                                |                |
| RPE 01          | Philosophy and Ethics          | 4              |
| RPE 02          | Scientific Conduct             | 4              |
| RPE 03          | Publication Ethics             | 7              |
| <b>Practice</b> |                                |                |
| RPE 04          | Open Access Publishing         | 4              |
| RPE 05          | Publication Misconduct         | 4              |
| RPE 06          | Databases and Research Metrics | 7              |
|                 | <b>Total</b>                   | <b>30</b>      |

### Syllabus in detail

#### **THEORY**

- RPE 01: PHILOSOPHY AND ETHICS (3 hrs.)**

1. Introduction to philosophy: definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgements and reactions

- RPE 02: SCIENTIFIC CONDUCT (5hrs.)**

1. Ethics with respect to science and research
2. Intellectual honesty and research integrity
3. Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
4. Redundant publications: duplicate and overlapping publications, salami slicing
5. Selective reporting and misrepresentation of data

- RPE 03: PUBLICATION ETHICS (7 hrs.)**

1. Publication ethics: definition, introduction and importance
2. Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
5. Violation of publication ethics, authorship and contributorship
6. Identification of publication misconduct, complaints and appeals
7. Predatory publishers and journals

#### **PRACTICE**

- RPE 04: OPEN ACCESS PUBLISHING(4 hrs.)**

1. Open access publications and initiatives
2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
3. Software tool to identify predatory publications developed by SPPU
4. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.

• **RPE 05: PUBLICATION MISCONDUCT (4hrs.)**

**A. Group Discussions (2 hrs.)**

1. Subject specific ethical issues, FFP, authorship
2. Conflicts of interest
3. Complaints and appeals: examples and fraud from India and abroad

**B. Software tools (2 hrs.)**

Use of plagiarism software like Turnitin, Urkund and other open source software tools

• **RPE 06: DATABASES AND RESEARCH METRICS (7hrs.)**

**A. Databases (4 hrs.)**

1. Indexing databases
2. Citation databases: Web of Science, Scopus, etc.

**B. Research Metrics (3 hrs.)**

1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
2. Metrics: h-index, g index, i10 index, altmetrics

**References**

- Bird, A. (2006). *Philosophy of Science*. Routledge.
- MacIntyre, Alasdair (1967) *A Short History of Ethics*. London.
- P. Chaddah, (2018) *Ethics in Competitive Research: Do not get scooped; do not get plagiarized*, ISBN:978-9387480865
- National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). *On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition*. National Academies Press.
- Resnik, D. B. (2011). What is ethics in research & why is it important. *National Institute of Environmental Health Sciences*, 1–10. Retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>
- Beall, J. (2012). Predatory publishers are corrupting open access. *Nature*, 489(7415), 179–179. <https://doi.org/10.1038/489179a>
- Indian National Science Academy (INSA), *Ethics in Science Education, Research and Governance*(2019), ISBN:978-81-939482-1-7. [http://www.insaindia.res.in/pdf/Ethics\\_Book.pdf](http://www.insaindia.res.in/pdf/Ethics_Book.pdf)