

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 Economics.

Ref: Academic Council decision No.: 3:1(2015-16), dated 25.01.2016.

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The revised Syllabus for Ph.D Coursework in Economics 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.

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

### SCHEME OF EXAMINATION FOR Ph.D. COURSE WORK IN ECONOMICS

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

# SYLLABUS

PH.D.

## PAPER I: RESEARCH METHODOLOGY IN ECONOMICS

### **Module I: Foundations of Research:**

What is research? Social science research and Types of research- difference between pure and applied research-descriptive research, diagnostic research, experimental research, non-experimental research, and analytical research. Action research and steps in research.

### **Module II: Research Planning and Review of Literature**

Research design-identification of a problem-conceptualization-hypothesis formulation objectives of research, Review of literature- what to review and procedure of review, sources of data-Primary and Secondary Cataloguing-Survey setting-approach to the problem-experimental design-pilot studies-bench mark surveys case studies-field studies – villages studies-national studies-census surveys.

### **Module III: Statistical Methods in Research**

Statistics - Meaning - Significance - Application in Economic Analysis - Data and Information - Primary and Secondary Data - Data Collection Methods - Processing of Data - Data Classification and Tabulation.

Sampling - Place of sampling in census and survey work - Requirements of a good sample - Structure of various types of sample - sampling size, Practical problems arising in the planning of a survey - Problems arising in the execution and analysis of a survey design.

### **Module IV: Research Methods and Tools of Analysis**

Content analysis, quantitative, qualitative and descriptive analyses –tools of analysis Processing and interpretation of data – hypothesis, and testing the hypothesis and forecasting-editing-classification-coding tabulation statistical interpretation and explanations-correlation and regression analysis, Application of Econometrics and models and use of statistical software for data analysis.

### **Module V: Research Report Writing**

Types of reports, report format and Principles of report writing- organization of a thesis – documentation and providing foot notes and bibliographies.

## List of Books

1. J.Hentschel (1998), Distinguish between Types of Data and Methods of Collecting Them, World Bank.
2. E.M. Trauth (2001), Qualitative Research: Issues and Trends, Idea Group Publishers.
3. Don Erwin Ethridge (2004), Research Methodology in Applied Economics- Organizing Planning and conducting research, Black well publishing Company.
4. Subhas Jain, Rebecca Marschan. Piekkari (2003), Hand book on Qualitative Research Methods for Handbook of Research in International Marketing, Oxford.
5. Tata H.A. (1997), Operation Research: An Introduction, Prentice Hall of India Pvt Ltd, New Delhi.
6. P.C. Tripathi (2008), A Textbook of Research Methodology in Social Science, Sulthan Chand & Sons, New Delhi.
7. C.R. Kothari and Gaurav Garg (2014), Research Methodology - Methods and Techniques, New Age International Publishers.
8. Allen R.G.D. (1974), Mathematical Analysis for Economists, English Language Book Society, London.
9. Baumol, W.G. (1980), Theory Economic and Operations Analysis, 4<sup>th</sup> Ed., Prentice-Hall of India New Delhi.
10. Chiang, Alpha C. (1974), Fundamental Methods of Mathematical Economics, MCGraw-Hill, Kogakusha Ltd., Tokyo.
11. Dinwiddy, Ccaroline (1967), Elementary Mathematics for Economics, Oxford University Press Nairobi.
12. Handry ,A.T. (1999), Operations Research, Prentice Hall of India, New Delhi.
13. Handerson, J.M. & Quandt, Richard (1980), Micro Economic Theory- A Mathematical Approach, 3<sup>rd</sup> ed., McGraw-Hill: Auckland,.
14. Weber, Jean, D. (1982), Mathematical Analysis- Business and Economic Applications- 4<sup>th</sup> ed.,- Harper & Row, Cambridge.
15. Yamane, Taro (1975), Mathematics for Economists: An Elementary Survey, 2<sup>nd</sup> Edition, Prentice Hall, New Delhi.
16. Chou.Y. (1975), Statistical Analysis, Holt, Reinhart and Winston, New York.
17. Elhance, D.N. (1987), Fundamental methods of Statistics, Kitab Mahal, Allahabad.
18. Gupta, S.C. (1993), Fundamentals of Applied Statistics, S. Chand & Sons, New Delhi.
19. Speigal, M.R. (1992), Theory and Problems of Statistics, McGraw Hill Book Co, London.
20. Amemiya, T. (1985), Advanced Econometrics, Harvard university Press, Cambridge, Mass.

21. Baltagi, B.H. (1998), *Econometrics*, Springer, New York
22. Dongherty, C. (1992), *Introduction to Econometrics*, Oxford University Press, New York.
23. Goldberger, A.S. (1998), *Introductory Econometrics*, Harvard University Press, Cambridge, Mass.
24. Gujarati, D.N. (1995), *Basic Econometrics* (2<sup>nd</sup> edition), McGraw Hill, New Delhi.
25. Hill R.C., E.G. William and G.G. Judge (1997), *Undergraduate Econometrics*, Wiley, New York.
26. Kennedy, P. (1998), *A Guide to Econometrics* (4<sup>th</sup> Edition), MIT Press, New York.
27. Kmenta, J. (1997), *Elements of Econometrics* (Reprint Edition), University of Michigan Press, New York.
28. Koutsoyiannis, A. (1977), *Theory of Econometrics* (2<sup>nd</sup> ed), The Macmillan Press Ltd., London.
29. Krishna, K.I.L. (ed) (1997), *Econometric Applications in India*, Oxford University Press, New Delhi.
30. Maddala, G.S. (ed) (1993), *Econometrics Methods and Application* (2vols), Aldershot U.K.
31. Theil, H. (1981), *Introduction to Econometrics*, Prentice hall of India, New Delhi.

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ದಿನಾಂಕ/Date:22.12.2021

**NOTIFICATION**

Sub: Revised syllabus for Ph.D. Coursework in Economics  
Ref: Academic Council approval vide agenda  
No.: ಎಸಿಸಿ:ಶ್ಯ.ಸಾ.ಸ.3:100 (2021-22) dated 17.12.2021

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The revised syllabus for Ph.D. Coursework in Economics which has been approved by the Academic Council at its meeting held on 17.12.2021 is hereby notified for implementation with effect from the academic year 2021-22.

  
REGISTRAR  
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To,

1. The Chairman, Dept. of Economics, Mangalore University, Mangalagangothri
2. The Chairman, PG BOS in Economics, Dept. of Economics, 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. Guard File.

## **Course Title -2**

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

### **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**

- Classroom 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.

### **Syllabus in detail**

#### **THEORY**

#### **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

#### **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

#### **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

### 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.

### 05 • PUBLICATION MISCONDUCT (4 hrs.)

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

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

### 06 • DATABASES AND RESEARCH METRICS (7 hrs.)

#### 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 Academics 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/what is/index.cfm](https://www.niehs.nih.gov/research/resources/bioethics/what%20is/index.cfm)
- Beali, J. (2012), Predatory publishers are corrupting open access, *Nature*, 489(7415), 179-179. <https://doi.org/10.1038/4891798>
- 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)