

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 Psychology

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 Psychology 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.  
KV-8

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.

SCHEME OF EXAMINATION FOR Ph.D. COURSE WORK IN PSYCHOLOGY

| 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 | 16                            | -                      | -     | -      | 150   | 8       |
|         | Review Report        |                               |                        |       |        | 50    | 2       |
|         | Viva                 |                               |                        |       |        | -     | -       |
|         |                      |                               |                        |       |        |       | 14      |

**Mangalore University**

**Department of Postgraduate Studies and Research in Psychology**

**Ph.D. Course Work Paper**

**Research Methodology**

**No. Of hours: 50**

**Objective:**

- To equip the students with scientific method of Psychological research and the methods of communicating the research findings
- To acquaint the students with the techniques of statistical analysis of data
- To familiarize the students with the application of computers in statistical analysis of data

**Unit 1: Meaning and Types of Research** - Survey research, field studies, field experiments, Ex-post facto research. Steps in Conducting Research

**Unit 2: Sampling & Experimental Designs** – Sampling – probability and non-probability sampling techniques; Meaning and purpose of research design, Single subject designs; Group designs- Pre experimental designs; True experimental designs; Quasi experimental designs; Between group designs and within group designs.

**Unit 3: Qualitative Research** – Meaning and definition of qualitative research; difference between qualitative and quantitative research; paradigm of qualitative research; Qualitative Data Collection Methods –Unstructured Interview, Case studies, Focus Group Discussion, Grounded theory; Mixed Method Approaches.

**Unit 4: Statistical Analysis of data** – Descriptive statistics; inferential statistics; Parametric Tests – Assumptions of parametric tests; Analysis of Variance – between subjects; within subjects , two-Factor analysis of variance, Analysis of co-variance. MANOVA. Analysis of Qualitative Data.

**Non-parametric tests**- Chi-square test; Mann-Whitney test; Wilcoxon test; Kruskal-Wallis Test; Friedman Test.

**Unit 5: Use of Computers in statistical Analysis**- SPSS – Data entry; tests of difference for two sample designs; tests of correlation; tests of nominal data; Analysis of variance – one-

- 15 b/v
15. Howell D.C(1999), Fundamental statistics for the behavioral science 4th Ed, London Duxbury press – An international Thomson Publishing company.
  16. Edward W. Minium, Bruce M. King, Gordon Bear(1995) Statistical Reasoning in Psychology and Education 3rd Ed, New York. John Wiley & sons.
  17. Kerlinger N.F(1986), Foundation of Behavioral Research 3rd Ed, Bangalore, A prism Indian Ed.
  18. K.D Broota(1989) Experimental design in behavioral research, Bangalore , wiley eastern.
  19. D.G Elner, Barry H. Kantowiz, H.L Roediger III(1981) Research Methods in Psychology 5th Ed New York, West publishing company.
  20. Wendy A. Schweigert(1998), Research methods in psychology, London, New York, Brooks. Cole publishing company.
  21. Donald W. Stilson(1966), Probability & Statistics in psychological research and theory, Bombay(vakils, Feffer and simonspvt.Ltd.
  22. Gaur, Ajai S & Gaur Sanjaya S. (1977) Statistical methods for practice and research - a guide to data analysis using SPSS , New Delhi, Sage Publications India Pvt Ltd.
  23. Brace, Nicola, Kemp, Richard & Snelgar, Rosemary - SPSS for Psychologists A guide to Data Analysis using SPSS for Windows (Versions 9, 10, & 11) Second Edition, New York Palgrave Macmillan.

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Mangalagangothri - 574 199

ದಿನಾಂಕ/Date: 25.11.2021

### NOTIFICATION

Sub: Revised syllabus for Ph.D. Coursework in Psychology

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 Psychology 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 Psychology, Mangalore University, Mangalagangothri
2. The Chairman, BOS in Psychology, 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**

### **New Ph.D Course Work paper in Psychology 2021**

#### **Research and Publication Ethics (RPE) 2 Credits**

##### Theory

##### **O1: Philosophy and Ethics:**

**3hrs**

1. Introduction to Philosophy: Definition, Nature and Scope, Concept Branches
2. Ethics: Definitions, Moral Philosophy, nature of Moral Judgement and reactions

##### **O2: 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

##### **O3: Publication Ethics**

**7hrs**

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

## Practical

### **04: Open Access publishing**

**4hrs**

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, journal Suggester, etc.

### **05: Publication Misconduct**

**4hrs**

#### *A. Group Discussion 2hrs*

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

#### *B. Software tools 2hrs*

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

### **06: Databases and Research Metrics 7hrs**

#### *A. Database 4hrs*

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

#### *B. Research Metrics 3hrs*

1. Impact factor journal as per Journal citation Report, SNIP, SJR, IPP, Cite
2. Metrics: h-index, g index, i10 index, altmetrics

**Reference:**

Bird, A. (2006). *Philosophy of Science*. Routledge.

MachIntyre, 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.