



ज्ञान-विज्ञान विमुक्तये

प्रो. रजनीश जैन  
सचिव

Prof. Rajnish Jain  
Secretary



सत्यमेव जयते

विश्वविद्यालय अनुदान आयोग  
University Grants Commission

(मानव संसाधन विकास मंत्रालय, भारत सरकार)  
(Ministry of Human Resource Development, Govt. of India)

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D.O.No.F.1-1/2018(Journal/CARE)

December, 2019

Respected Sir/Madam,

University Grants Commission in its 543<sup>rd</sup> meeting held on 9<sup>th</sup> August, 2019 approved two Credit Courses for awareness about publication ethics and publication misconducts entitled **"Research and Publication Ethics (RPE)"** to be made compulsory for all Ph.D. students for pre-registration course work (attached as Annexure).

In view of the above, you are requested to ensure that the above two Credit courses may be made compulsory for all Ph.D. students for pre-registration course work undertaken in your University from the forthcoming academic session.

With regards,

Yours sincerely,

(Rajnish Jain)

TO THE VICE-CHANCELLORS OF ALL UNIVERSITIES

Bahwan  
for 7/9/21

## 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.)**
  - Introduction to philosophy: definition, nature and scope, concept, branches
  - Ethics: definition, moral philosophy, nature of moral judgements and reactions
- RPE 02: SCIENTIFIC CONDUCT (5hrs.)**
  - Ethics with respect to science and research
  - Intellectual honesty and research integrity
  - Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
  - Redundant publications: duplicate and overlapping publications, salami slicing
  - Selective reporting and misrepresentation of data
- RPE 03: PUBLICATION ETHICS (7 hrs.)**
  - Publication ethics: definition, introduction and importance
  - Best practices / standards setting initiatives and guidelines: COPE, WAME, etc.
  - Conflicts of interest
  - Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types
  - Violation of publication ethics, authorship and contributorship
  - Identification of publication misconduct, complaints and appeals
  - 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)

**The Business School**  
University of Jammu – 180 006 (J&K)

PhD (Course work), in Management in The Business School

**Paper – I Research Methodology**

Contact hours:	-	45
Semester End Evaluation	-	80 Marks
Internal Assessment	-	20 Marks

**Paper – II Research in Business Management**

Contact hours:	-	45
Semester End Evaluation	-	80 Marks
Internal Assessment	-	20 Marks

**The Business School  
University of Jammu**

Ph.D. Course Work  
(Session 2019-20)

Paper Title: Research Methodology  
Maximum Marks: 80

Contact hours: 45

Time: 3 hours

Semester Examination: 8

Internal Assessment: 2

**Course Objectives:**

- Compare and contrast the basic research designs.
- Identification of research gap through thorough review of literature.
- Understanding measurement and scaling techniques.
- Understanding sampling design process and sampling techniques.

**Unit I: Introduction to research**

Concept, meaning and scope of research; Research Design; types of research - exploratory, descriptive & causal; research process; ethics in research.

**Unit II: Review of Literature**

Undertaking and understanding relevant review of literature; identification of research gap; framing of research questions; developing research Hypotheses; deriving research objectives.

**Unit III: Measurement and Scaling**

Primary scales of measurement; scaling techniques; scale evaluation- reliability & validity; Questionnaire design process. Choosing a questionnaire structure & wording; Development of a questionnaire.

**Unit IV: Sampling & Synopsis writing**

Sampling design process; sampling technique; sample size determination; Synopsis & thesis format; Referencing Style; briefing on Power point presentation.

**Note:** Student shall be required to undertake practical exercises during the course work and submit the same as assignment carrying a weightage of 20 marks.

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**Note for paper setter:**

The question paper shall contain two questions from each unit. The candidate will be required to attempt any one question from each unit. The paper will be set for 80 marks ( 20 marks for each unit).

**Suggested Readings:**

- Bradley, N. (2008). Marketing research: Tools and techniques (2nd ed.). Delhi: Oxford University Press.
- Burns, A. C., & Bush, R. F. (2007). Marketing research (6th ed.). New Delhi: Prentice Hall.
- Malhotra, N., & Dash, S. (2010). Marketing Research: An Applied orientation (6th ed.). New Delhi: Pearson Education.
- Schmidt., & Hollenson. (2006). Marketing Research: An International Approach. New Delhi: Pearson Education.
- Tull, D. S., & Hawkins, D. I. (1993.). Marketing research: measurement and method (6th ed.). New York: Collier MacMillan.

**The Business School  
University of Jammu**

**Syllabus of the PhD Coursework (Management)**

**Paper II: Research in Business Management**  
**Max. Marks: 100**  
**Internal Assessment: 20 Marks**

*Contact Hours: 45*  
**Semester Examination: 80 Marks**

**Course Objectives:**

At the end of the course, students should be able to:

- Identify the areas for undertaking research
- Prepare a research proposal
- Apply data analysis techniques for decision making, problem solving and predictive modeling
- Understand and apply the features of SPSS and Ms-Excel

**Unit I: Contemporary Research Areas**

Identification of areas in management research; Important research topics; Selecting topics for Research; Research needs; Conducting Review of Literature in the intended area of research; Foundations of existing knowledge and theory; Compare and contrast the main theories, methods, debates and controversies in identified research areas; Develop a theoretical framework.

**Unit II: Synopsis/Research Proposal Writing**

Components of a research proposal; Format and requirements for a research proposal; Framing the title of the research; Outlining the proposed area of study; Research context; Statement of problem; Research questions; Significance/originality of intended research; Sample synopsis; Writing of references and bibliography; Research paper writing for Journal publications.

**Unit III: Application of Research Tools and Techniques in Management**

Testing of Normality, Testing of Homoscedasticity; Chi-Square- Test of Independence, 2x2 Cross tabulation, T-test- One sample, Independent Sample, Paired Sample; Pearson Correlation; ANOVA- One-Way and Two-Way; Linear Regression Analysis; Factor Analysis; Cluster Analysis.

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#### **Unit IV: Introduction to SPSS and Excel for Data Analysis**

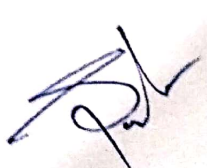
Preparing a Dataset; Data Entry/Coding, Data Editing-Importing from Excel, Adding value labels, Grouping data, Transforming variables; Data Cleaning, Recoding, Missing Values; Descriptive Statistics; Application of statistical techniques (as mentioned in Unit II) using SPSS.

#### **Note for Paper Setter:**

The question paper shall contain two questions from each unit. The candidate will be required to attempt any one question from each unit. The paper will be set for 80 marks (20 marks for each unit).

#### **Suggested Readings:**

- C.R. Kothari & Gaurav Garg (2019). Research Methodology: Methods & Techniques (Multi Colour Edition). New Age International Publishers.
- Levin Richard, H. Siddiqui Masood, S. Rubin David, Rastogi Sanjay (2017). Statistics for Management. Pearson.
- Levin & Rastogi (2012). Statistics for Management, 7e. Pearson
- Levin Richard I. & Rubin David S. (2008). Statistics for Management. Pearson.
- Andy Field (2017). Discovering Statistics Using IBM SPSS Statistics. Sage.
- Naresh K. Malhotra and Satyabhusan Das (2019). Marketing Research: An Applied Orientation Revised Edition. Pearson.
- Naresh K. Malhotra (2011). Research Methodology: Research Design and Data Analysis. Sage

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