MANGALORE UNIVERSITY
DEPARTMENT OF PHYSICAL EDUCATION
SCHEME OF EXAMINATION FOR PH.D. COURSE WORK

Course	Particulars	Hours of Instruction per week	Duration of Exam (hrs.)	Marks			Credits
				IA	Theory	Total	
Course1	ResearchMethodology	4	3	30	70	100	4
Course2	ResearchandPublication Ethics (RPE)	2	3	30	70	100	2
Course3	Review ofLiterature	14	-	-	-	150	6
	Review report		-	-	-	50	2
	Viva				Total	400	14

Course Title:

Research and Publication Ethics {RPE)-Course for awareness about the publication ethics and publicationmisconducts.

Course Level:
2Creditcourse(30hrs.)

Eligibility:

M.Phil., Ph.D. students and interested faculty members.

Fees:

As per UniversityRules

Faculty:

InterdisciplinaryStudies

Qualifications of faculty members of the course:

Ph.D.inrelevantsubjectareashavingmorethan10years'ofteachingexperience

Course Code: CPE- RPE

Overview

This course has total 6 units focusing on basics of philosophy of science and ethics, researchintegrity,publicationethics.Hands-on-sessionsaredesignedtoidentifyresearch misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism toolswillbeintroducedinthiscourse.

Pedagogy:

Classroomteaching,guestlectures,groupdiscussions.andpracticalsessions.

Evaluation

Continuous assessment will be done through tutorials, assignments, quizzes, and group discussions. Weightage will be given for active participation. Final written examination willbeconductedattheendofthecourse.

Course structure

Thecoursecomprisesofsixmoduleslistedintablebelow.Eachmodulehas4-5units.

Modules	Unit Title	Teaching Hours
Theory		
RPE0I	Philosophy and Ethics	4
RPE02	Scientific Conduct	4
RPE03	Publication Ethics	7
Practice		
RPE04	Open Access Publishing	4
RPE0S	Publication Misconduct	4
RPE06	Databases and Research	7
	Total	30

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 ofmoral judgements and reactions

02. SCIENTIFIC CONDUCT (5 hrs.)

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. PUB L I CA T IO N ETH I CS (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 (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

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, il 0 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/l0.1038/489179a

Indian National Science Academy (INSA), Ethics in Science Education, Research and Governance (2019) ISBN:978-81-939482-1-7. http://www.insaindia.res.in/pdt7Ethics Book.pdf