

Palmer, Richard. Write in Style: A Guide to Good English. London: E&FNSPON – Chapman, 1953. Part 4, ch.14

Peck, John and Martin Coyle, ed. Literary terms and Criticism. New edn. London: Macmillan, 1984. rpt. 1993.

Turk, Christopher, and John Kirkman, Effective writing. London: E&FNSPON, 1982.

Veit, Richard. The Student's Guide to Writing Research Papers. New York: Macmillan, 1990.

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COURSE 2: RESEARCH AND PUBLICATION ETHICS (RPE)

Hours of Instructions in a Week: 1.2

Assessment:

End-semester Examination: 70 Marks (of 3 Hours)
One Term Paper: 15 Marks
One seminar: 15 Marks

Course structure

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

Modules	Unit title	Teaching
Theory		
RPE01	Philosophy and Ethics	3
RPE02	Scientific Conduct	5
RPE03	Publication Ethics	7
Practice		
RPE 04	Open Access Publishing	4

RPE05	Publication Misconduct	4
RPE 06	Databases and Research Metrics	7
	Total	30

01. PHILOSOPHY AND ETHICS (3hrs.)

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 (7hrs.)

1. Publication ethics: definition, introduction and importance
2. Best practices / standards setting initiatives and guidance: COPE, WAME, etc.
3. Conflicts of interest
4. Publication misconduct: definition, concept, problems that lead to unethical behaviour 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 (4hrs.)

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

05. PUBLICATION MISCONDUCT (4hrs.)

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 (2hrs.)

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

06.DATABASES AND RESEARCH METRICS (7hrs.)

A. Database (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, Alisdair (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.
- Rensik D.B. (2011). What is ethics in research & why is it important. Natinal Institute of Environmental Health Sciences, 1-10. Retreived 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. https://www.insaindia.res.in/pdf/Ethics_Book.pdf