

SEMESTER-VIII

BSc-PE-DSE-10(4)-602: RESEARCH AND PUBLICATION ETHICS IN PHYSICAL EDUCATION AND SPORTS

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Prerequisite of the course (if any)
		Lecture	Tutorial	Practical / Practice		
BSc-PE-DSE-10(4)-602: RESEARCH AND PUBLICATION ETHICS IN PHYSICAL EDUCATION AND SPORTS	4	3	1	0	Class XII pass	NIL

Learning Objective: The student will gain knowledge about Research ethics, plagiarism, and the philosophy of ethics.

Learning Outcome:

After completing the course, the students will be able to:

- Understand Philosophy, Ethics concerning science and research Intellectual honesty and research integrity
- Identify and avoid Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)
- Identify Redundant publications: duplicate and over lapping publications.
- Prepare Research proposal, Organize Thesis report, Research article
- Prepare oral and poster presentation, Table, figure and bibliography.
- Follow Publication ethics best practices/Standards, sets initiatives and guidelines: COPE WAME etc., Conflicts of interest.
- Follow Publication ethics: definition, introduction, and importance, best practices/ Standards setting initiatives and guidelines: COPE. WAME, etc., Conflicts of interest.
- Understands Publication misconduct: definition, concept, problems that lead to unethical behavior and vice-versa, types of Violation of publication ethics, authorship and contributorship
- Identify publication misconduct, complaints and appeals Predatory publishers and journals

THEORY SYLLABUS (45 HOURS)

UNIT I: PHILOSOPHY AND ETHICS (12 Hours)

1. Introduction to Philosophy: definition, nature and Scope, Concept Branches

2. Ethics: definition, moral philosophy, nature of moral judgments, and reaction

UNIT II: SCIENTIFIC CONDUCT (13 Hours)

1. Ethics concerning 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.

UNIT III: PUBLICATION ETHICS (10 Hours)

1. Publication ethics: definition, introduction, and importance
2. Best practices/Standards setting initiatives and guidelines: COPE. WAME, etc.,
3. Conflict of interest

UNIT IV: PUBLICATION MISCONDUCT (10 Hours)

1. Publication misconduct: definition, concept, problems that lead to unethical behavior and vice-versa.
2. Violation of publication ethics, authorship, and contributor ship
3. Identification of publication misconduct, complaints, and appeals
4. Predatory publishers and journals

Suggested Readings:

- Bird, A. (2006). *Philosophy of Science*. Routledge
- MacIntyre, Alasdair (1967) *A Short History of Ethics*. London
- P. Chaddah, (2018) *Ethics in Competitive Research: Don't get Scooped; don't 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 Conduction of Research: Third Edition*, National Academies Press.
- Resnik, D. B. (2011) *What is ethics in research & why is it important*. National Institute of Environmental Health Science, 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 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.

Note: Examination scheme and mode shall be as prescribed by the Examination Branch, University of Delhi, from time to time.