Title of the Course RESEARCH AND PUBLICATION ETHICS
Category PCC
Course Code 24CMGT02T

Year
Semester
Branch Ph.D.

Lecture Hours	Tutorial Hours	Practice Hours	Credits
2	0	0	2

Course Objectives:

- To understand Philosophies and ethics related to Research.
- To understand the concepts related to scientific conduct.
- To get the knowledge on the concepts of Publication ethics.
- To get the knowledge on the concepts of Open access Publishing
- To get the knowledge on the concepts of Publication Misconduct.

Unit 1 PHILOSOPHY AND ETHICS 9

Introduction to Philosophy: Definition, nature and scope, concept, Branches- Ethics: Definition, Moral Philosophy, Nature of moral judgements and reactions.

Learning Outcomes: At the end of the unit, the student will be able to:

- Summarize the basic concepts of ethics. (L2)
- Understand different types ofmoral judgements and reactions. (L2)

Unit 2 SCIENTIFIC CONDUCT 12

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.

Learning Outcomes: At the end of the unit, the student will be able to:

- Apply ethics while doing Research. (L3)
- Explain the selective reporting and misrepresentation of data. (L3)

Unit 3 PUBLICATION ETHICS 13

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 publisher and journals.

Learning Outcomes: At the end of the unit, the student will be able to:

- Explain the importance of publication ethics in academic and scientific research. (L2)
- Describe the key initiatives and standards-setting bodies, such as COPE (Committee on Publication Ethics) and WAME (World Association of Medical Editors). (L2)

Unit 4 OPEN ACCESS PUBLISHING 13

Open access publications and initiatives – SHERPA/RoMEO online resource to check publisher copyright & Self-

archiving policies – Software tool to identify predatory publications developed by SPPU – Journal finger/ journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer, Journal Suggester, etc.

Learning Outcomes: At the end of the unit, the student will be able to:

- Explain open access publishing and its importance in promoting the free dissemination of research. (L2)
- Explore the software tool developed by SPPU (Savitribai Phule Pune University) for identifying predatory publishers. (L3)

Unit 5 PUBLICATION MISCONDUCT 12

Group discussion: a) Subject specific ethical issues, FFP, Authorship b) Conflicts of Interest c) Complaints and appeals: examples and fraud from India and abroad.
Software tools: Use of plagiarism software like Turnitin, Urkund and Other source software tools.
Learning Outcomes: At the end of the unit, the student will be able to:

- Discuss ethical issues specific to various research disciplines. (L2)
- Use different software tools. (L4)

Prescribed Textbooks:

1. Nicholas H.Steneck. Introduction to the Responsible conduct of Research. Office of Research Integrity. 2007.
2. The student's Guide to research Ethics by Paul Oliver Open University press, 2003.
3. Responsible conduct of Research by Adil E.Shamoo: David B. Resnik oxford University Press, 2003.

Reference Books:

1. BijornGustavii: How to write and illustrate Scientific papers? Cambridge University press.
2. Burdens K.S and Abbott, B, B: Research design and Methods, MC Graw Hill, 2008.
3. Graziano, A.M, and Raulin, M.L, Research methods- A Process of Inquiry, Sixth Edition, Pearson, 2007.

Course Outcomes:

At the end of the course, the student will be able to	Blooms Level of Learning
1. Summarize the fundamental concepts of philosophy and ethics.	L2
2. Demonstrate an understanding of ethical principles, intellectual honesty, and research integrity in scientific research.	L3
3. Analyze the importance of publication ethics, and describe the role of standards-setting bodies.	L4
4. Explain the significance of open access publishing for the free dissemination of research.	L2
5. Develop skills to utilize plagiarism detection software like Turnitin and Urkund to maintain academic integrity.	L4