Programme: Doctor of Philosophy

Course Code: RPE 603   **Title of the Course:** Research and Publicaiton Ethics

Number of Credits: 2   **Total Contact Hours**: 30

Effective from AY: 2022-23

<u>Prerequisites for the course:</u>	Post graduate in any discipline.	
<u>Objective:</u>	This course will focus on the basics of philosophy of science and ethics, research integrity, publication ethics. It is 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.	
<u>Content:</u>	**Module 1** **RPE 01: PHILOSOPHY AND ETHICS** ● Introduction to philosophy: definition, nature and scope, concept, branches ● Ethics: definition, moral philosophy, nature of moral judgements and reactions	**3**
	Module 2: **RPE 02: SCIENTIFIC CONDUCT** ● 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 **Module 3:** **RPE 03: PUBLICATION ETHICS**	**5**

	- 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	7
	Module 4: RPE 04: OPEN ACCESS PUBLISHING - Open access publications and initiatives - Online resource to check publisher copyright & self-archiving policies - Software tools to identify predatory publications - Journal finder/journal suggestion tools	4
	Module 5: RPE 05: PUBLICATION MISCONDUCT A. Group Discussions (2 hrs) Subject specific ethical issues, FFP, authorship Conflicts of interest Complaints and appeals: examples and fraud from India and abroad B. Software tools (2 hrs.) Use of plagiarism software	4 7
	Module 6: RPE 06: DATABASES AND RESEARCH METRICS	

	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, CiteScore 2. Metrics: h-index, g index, i10 index, altmetrics	
Pedagogy:	● Chalk and talk aided by ICT enabled lectures ● PC lab exercises ● Assignments and presentations ● Group activity ● MOOC (or similar) Component Assessment will be continuous 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.	
References/Readings **(TO BE UPDATED)**	Bird, A. (2006). Philosophy of Science. London: Routledge. Institute of Medicine (2009). *On Being a Scientist: A Guide to Responsible Conduct in Research*, Third Edition. Washington, DC: The National Academies Press. https://doi.org/10.17226/12192. Beall, J. (2012). Predatory publishers are corrupting open access. *Nature*, 489(7415), 179-179. https://doi.org/10.1038/489179a Muralidhar, K., Ghosh, A., and Singhvi, A.K. (eds) (2019) *Ethics in Science Education, Research and Governance*, Indian National Science Academy (INSA), http://www.insaindia.res.in/pdf/Ethics Book.pdf Research Policy of Goa Univerity, https://www.unigoa.ac.in/uploads/confg_docs/2018 1022.154950~RDRM_GU-Research-Policy_final.p	

	df Goa University Ordinance OA-29 relating to the Promotion of Academic Integrity and Prevention of Plagiarism Guidelines on Academic Ethics of Goa Univesity, 20210128.072935~GU_Guidelines_Ethics_Research.pdf (unigoa.ac.in) Bos, Jaap. (2020). *Research Ethics for Students in the Social Sciences*. Cham: Springer. Israel, Mark. (2015). *Research ethics and integrity for Social Scientists*. London: Sage. Lahman, Maria K. E. (2018). *Ethics in Social Research: Becoming Culturally Responsive*. London: Sage. Iphofen, Ron. (Ed.). (2020). *Handbook of Research Ethics and Scientific Integrity*. Cham: Springer.	

Learning Outcomes	Students will be able to
	   a) identify research misconduct and predatory publications.
	   b) Use indexing and citation databases, open access publications, research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools	