Research Integrity Training Course

Professional Development Training Course Outline

Category	Research and Data Analysis	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Research integrity is the cornerstone of credible, ethical, and impactful scientific discovery. In today's competitive research environment, adherence to ethical standards, data transparency, and responsible conduct is more critical than ever. This training equips researchers, academicians, and industry professionals with the knowledge and skills to navigate complex ethical dilemmas, uphold compliance standards, and foster a culture of honesty and accountability in research. Through evidence-based frameworks, participants will learn how to prevent misconduct, manage conflicts of interest, and ensure reproducibility in their scientific endeavors.

Research Integrity Training Course blends interactive learning, real-world case studies, and practical exercises to enhance participants' ability to implement ethical practices across all stages of research. By focusing on regulatory compliance, publication ethics, data management, and collaborative research, this course empowers professionals to strengthen their institutional credibility, safeguard research quality, and advance innovation responsibly. Whether in academia, industry, or clinical research, participants will gain actionable strategies to elevate the integrity and impact of their work.

Programme Curriculum

Research Integrity Training Course

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Course Duration

5 days

Course Objectives

1. Enhance understanding of research integrity and responsible conduct in research.
2. Identify and prevent research misconduct, including plagiarism, fabrication, and falsification.
3. Promote transparency and reproducibility in experimental design and data reporting.
4. Foster ethical decision-making and conflict-of-interest management.
5. Strengthen knowledge of international research regulations and compliance standards.
6. Equip researchers with best practices in authorship, peer review, and publication ethics.
7. Improve skills in data management, storage, and sharing for reproducible results.
8. Develop competencies in collaborative research and team accountability.
9. Understand the role of institutional review boards and ethics committees.
10. Mitigate risks related to dual-use research and sensitive scientific findings.
11. Apply case-based learning to real-world ethical dilemmas in research.
12. Build awareness of emerging trends in open science, preprints, and data transparency.
13. Cultivate a culture of integrity, accountability, and ethical leadership in research.

Target Audience

1. University researchers and faculty members
2. Graduate and postgraduate students
3. Clinical and laboratory researchers
4. Research coordinators and project managers
5. Industry R&D professionals
6. Ethics committee members and regulatory officers
7. Academic journal editors and peer reviewers
8. Policy makers and funding agency representatives

Course Modules

Module 1: Introduction to Research Integrity

- Principles of research ethics and responsible conduct
- Historical cases of scientific misconduct
- Global standards and frameworks for research integrity
- Importance of credibility, transparency, and reproducibility
- **Case Study:** Retraction of high-impact studies due to ethical lapses

Module 2: Research Misconduct & Prevention

- Defining plagiarism, data fabrication, and falsification
- Tools for plagiarism detection and data verification
- Reporting mechanisms and whistleblower protection
- Consequences of research misconduct in academia and industry
- **Case Study:** Investigation and outcomes of misconduct in clinical trials

Module 3: Ethical Decision-Making & Conflict of Interest

- Identifying and managing conflicts of interest
- Ethical frameworks for decision-making in research
- Role of mentorship and supervision in fostering integrity
- Balancing personal, institutional, and societal interests
- **Case Study:** Handling financial and collaborative conflicts in multi-institutional projects

Module 4: Data Management & Reproducibility

- Best practices in data collection, storage, and documentation
- Open data and FAIR principles
- Statistical integrity and avoiding data manipulation
- Sharing and archiving research datasets
- **Case Study:** Lessons from irreproducible preclinical studies

Module 5: Publication Ethics & Authorship

- Criteria for authorship and contributorship
- Peer review standards and ethical responsibilities
- Avoiding duplicate publication and salami slicing
- Handling corrections, retractions, and ethical disputes
- **Case Study:** Retractions due to unethical authorship claims

Module 6: Regulatory Compliance & Oversight

- Institutional Review Boards (IRB) and ethics committees
- Compliance with national and international regulations
- Ethical approval processes for human and animal research
- Documentation and audit readiness
- **Case Study:** Compliance failures in multi-center clinical trials

Module 7: Collaborative & Multidisciplinary Research Ethics

- Managing responsibilities in team science
- Cross-border research ethical challenges
- Intellectual property and data sharing agreements
- Promoting accountability in large-scale research collaborations
- **Case Study:** Ethical dilemmas in international collaborative studies

Module 8: Emerging Trends & Ethical Leadership

- Open science, preprints, and reproducibility initiatives
- AI, machine learning, and responsible research applications
- Cultivating ethical leadership and integrity culture
- Future directions for research ethics and policy

- **Case Study:** Implementation of AI ethics guidelines in research institutions

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price

23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

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