

VAC008. Ethical Research Practices in Education

Course title: Certificate course in Ethical Research Practices in Education
Learning Outcomes: Course is intended <ul style="list-style-type: none">• Students will demonstrate an understanding of ethical principles governing research in education• Students will be able to apply ethical considerations to research design• Students will develop competence in ethical data management and analysis practices• Students will demonstrate the ability to adhere to ethical reporting and publication practices• Students will gain awareness of ethical leadership responsibilities in research settings
Duration: 30 hours
Teaching Scheme <ul style="list-style-type: none">• Theory: 10hours• Practical: 20 hours• Tutorial
Examination scheme <ul style="list-style-type: none">• Assignments• Mid semester examination• End semester examination• Project
Marks <ul style="list-style-type: none">• Theory: 25• Practicals: 75
Mode of transaction <p>Lecture cum discussion, seminars, group presentations, projects, assignments, ICT tools</p>
Module 1: Introduction to Research Ethics <p>1.1 Understanding the importance of ethical considerations in educational research 1.2 Overview of ethical principles and guidelines governing research practices 1.3 Historical context and ethical challenges in educational research</p>
Module 2: Ethical Considerations in Research Design <p>2.1 Ethical issues related to research design, including selection of participants, research methods, and data collection procedures 2.2 Ensuring informed consent, confidentiality, and privacy protection in research studies 2.3 Addressing potential risks and benefits for participants in educational research</p>
Module 3: Ethical Data Management and Analysis <p>3.1 Principles of responsible data management and analysis in educational research 3.2 Safeguarding data integrity, validity, and reliability throughout the research process</p>

3.3 Ethical considerations in data sharing, storage, and dissemination

Module 4: Ethical Reporting and Publication Practices

4.1 Ethical guidelines for reporting research findings in academic publications and presentations

4.2 Avoiding plagiarism, falsification, and fabrication of research results

4.3 Addressing conflicts of interest and disclosing funding sources in research publications

Module 5: Ethical Leadership in Research

5.1 Roles and responsibilities of ethical leadership in promoting research integrity and accountability

5.2 Ethical considerations for research supervisors, mentors, and institutional review boards

5.3 Strategies for fostering a culture of research ethics and promoting responsible conduct in educational research

PRACTICAL ITEMS

1. **Ethical Dilemma Discussions:** Organize group discussions where participants analyze and discuss ethical dilemmas related to educational research. Provide scenarios or case studies that raise ethical questions relevant to each module, allowing participants to apply ethical principles and theories to real-world situations.
2. **Research Proposal Review:** Assign participants to develop research proposals that incorporate ethical considerations discussed in Module 2. Peer review sessions can then be conducted where participants provide feedback on each other's proposals, focusing on the ethical soundness of the research design and methodology.
3. **Data Management Workshop:** Conduct a workshop on ethical data management and analysis techniques. Participants can learn about data handling procedures, confidentiality protocols, and strategies for ensuring data integrity. Practical activities may include data anonymization exercises and discussions on data storage and security.
4. **Ethical Reporting Mock Conference:** Organize a mock conference where participants present their research findings from Module 4. Emphasize the importance of transparent and ethical reporting practices in academic presentations. Participants can receive feedback on their presentation style, content, and adherence to ethical reporting guidelines.
5. **Ethical Leadership Panel Discussion:** Invite guest speakers or panelists who are experienced researchers or academic leaders to discuss ethical leadership in research. Participants can engage in a Q&A session to learn about ethical challenges faced by research leaders and strategies for promoting integrity and accountability in educational research.

REFERENCES

1. "Ethics in Educational Research" by Ian Shaw and Katharine Owen
2. "Research Ethics: A Philosophical Guide to the Responsible Conduct of Research" by Gary Comstock
3. "Ethical Decision Making in School Mental Health" by James C. Raines
4. "Ethical Research with Children: Untold Narratives and Taboos" by Anne Graham, Janet Goodall, and Elizabeth Mix
5. "Ethical Data Mining Applications for Socio-Economic Development" edited by Hakikur Rahman and Tanveer Zia
6. "Ethical Issues in Research with Children and Young People" edited by Priscilla Alderson and Virginia Morrow
7. "The Ethics of Research with Children and Young People: A Practical Handbook" edited by Priscilla Alderson and Virginia Morrow
8. "Ethics in Educational Research" by Ian Shaw and Katharine Owen
9. "Research Ethics: A Philosophical Guide to the Responsible Conduct of Research" by Gary Comstock
10. "Ethics and Leadership: Putting Theory into Practice" by Joanne B. Ciulla