

AGI5166 Research Methodology

Level	5
Course Code	AGI5166
Course Title	Research Methodology
Credit value	1
Core/Optional	Core
Course Aim/s	To provide knowledge on research methodology through critical exploration of research language, approaches and ethics in providing solutions to agricultural problems
Course Learning Outcomes (CLO):	<p>After completion of this course student will be able to:</p> <p>CLO1: Demonstrate the knowledge of different forms of research. (PO1)</p> <p>CLO2: Identify research problem, purpose statement, and objective of a research. (PO4)</p> <p>CLO3: Conduct a literature survey effectively and document them within a recognized referencing framework. (PO1)(PO2)</p> <p>CLO4: Understand ethical issues concerning research (PO8)</p> <p>CLO5: Prepare a research proposal based on preliminary investigations. (PO5)(PO11)</p> <p>CLO6: Prepare research abstracts and manuscripts according to standard formats. (PO11)</p>
Content (Main topics, sub topics)	<p>Outline Syllabus:</p> <p>Session 01: Research terminology and basic concepts of research and its methodologies</p> <p>Session 02: Process of literature review</p> <p>Session 03: Research problem and hypotheses</p> <p>Session 04: Research design</p> <p>Session 05: Proposal writing</p> <p>Session 06: Methods of data collection</p> <p>Session 07: Sampling techniques</p> <p>Session 08: Data processing and analysis</p> <p>Session 09: Research and ethics</p> <p>Session 10: Dissemination of research outcomes and patenting</p> <p>Session 11: Abstract and thesis writing</p> <p>Laboratory work: Yes</p> <p>1. Proposal preparation</p>