



Basic to Advanced Research Course

Class 1: Introduction to Academic Research & Topic Selection

Goal: Understand what a research paper is, its purpose, and how to select a suitable topic.

Activities: Brainstorm 5 possible research topics, evaluate their scope and interest, and discuss in groups to refine one final topic.

Class 2: Research Questions & Hypotheses

Goal: Learn to turn a research topic into a focused research question or hypothesis.

Activities: Draft a research question or hypothesis based on your topic and exchange feedback with peers for improvement.

Class 3: Conducting a Literature Search

Goal: Develop skills to locate and assess relevant academic sources.

Activities: Find 3–5 credible academic papers related to your topic and prepare short summaries of each.

Class 4: Organizing Literature & Reference Management

Goal: Learn to organize sources and identify key themes, debates, and gaps in literature.

Activities: Create a literature summary table or concept map highlighting major themes and research gaps.

Class 5: Writing the Literature Review

Goal: Integrate multiple sources into a clear, coherent literature review section.

Activities: Group sources under 2–3 themes and draft one well-structured paragraph connecting them.

Class 6: Research Design & Methodology Planning

Goal: Understand research design principles and choose appropriate data collection methods.

Activities: Design a mini research plan that defines participants, methods, data type, and research timeline.

Class 7: Writing the Methodology Section

Goal: Learn to write a clear, detailed, and replicable methodology section.

Activities: Draft your own methodology section describing how data will be collected, analyzed, and validated.



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Class 8: Data Analysis & Visualization

Goal: Gain basic understanding of analyzing data and presenting it clearly.

Activities: Analyze a small dataset, create one chart or table, and write a short interpretation of results.

Class 9: Structuring & Drafting the Full Paper

Goal: Learn the structure and flow of a full research paper from introduction to conclusion.

Activities: Create a detailed paper outline and begin drafting the Introduction and Literature Review sections.

Class 10: Writing Results, Discussion & Conclusion

Goal: Write results objectively and connect findings to your research questions and literature.

Activities: Write drafts of Results and Discussion sections; summarize the main findings in the Conclusion.

Class 11: Editing, Citation & Academic Integrity

Goal: Improve clarity, ensure proper citation, and maintain academic honesty.

Activities: Conduct peer-review exchanges, edit for clarity and grammar, and finalize citations to avoid plagiarism.

Class 12: Finalizing, Submission & Reflection

Goal: Prepare the final manuscript for submission and reflect on the research process.

Activities: Format the full paper according to guidelines, submit the final version, and write a short reflection on what you learned.