

Course Title	Research Methodology
Course Code	ECO-490
Pre-Requisite	STAT-103: Introduction to Statistics
Degree Program (BS / MS / PhD)	BS

Course Objectives

1. The purpose of this course is to introduce students a broad range of research methods that are widely used and of value to them in their own research/dissertation work.
2. To understand issues in research such as the conceptualization, measurement, design, sampling, analysis techniques, report writing and presenting etc. used in theoretical and applied research.
3. To develop a framework for understanding and using research at work.

Learning Outcomes

1. Students will be able to not only understand but also apply basic concepts and techniques of research for their dissertation in effective manner.
2. Finally, a great deal of work will be carried out to make student understand how to effectively convey their important points of research through power point presentations as well as how to prepare an effective and meaningful presentation.

Contents

Week	Topic
1	Introduction / Outline of the course What is research? Why Research? Research Methodology as course

2	Formulating and clarifying the research topic
3	Literature review – exploring the existing body of knowledge
4	Literature review – continued
5	Formulating a research design-I and II
6	Scientific Investigation, Sampling Surveys - primary data collection
7	Questionnaire
8	Interviews – primary data collection
9	Mid-term
10	Importance of Descriptive Statistics and Graphical Analysis Discussion on MICS, PSLM, LFS, PDHS and type of data provided in each
11	Working with Data: Basic descriptive statistics Making Frequency Distribution
12	Focus Group Discussions and In-depth interviews How to use its findings to enrich the findings through questionnaire? On spot configurations in the interview questions
13	Data Analysis-I Cross-tabulation and tests for association for data on different scales. Scales of Measurement. Introduction to Logistic Regression
14	Data Analysis-II Interpretation and understanding Regression tables Labelling the tables and figures
15	Presenting your research findings Making Power point presentation

	<p>What to include in the presentation</p> <p>How to defend without being argumentative and welcoming comments positively</p> <p>Concluding a Research</p> <p>How to write conclusions of research?</p> <p>Did you find anything new that was not even the objective of research?</p> <p>How are your findings in contrast or compatibility with existing literature?</p> <p>How can future research build upon your current work?</p>
16	<p>Writing for a Journals of repute vs Writing a Thesis/FYP</p> <p>Revision</p>
17	Buffer Week
18	Final Examination

Readings List (including Books, Journals, Papers Articles, & Websites whatever is applicable)

- a. Ranjit Kumar (2010). Research methods: A step-by-step guide for beginners. Sage Publication.
- b. Mathews, B. and Ross, L (2010). Research Methods: A Practical Guide for the Social Sciences. ISBN 978-1-4058-5850-2, Pearson Inc.
- c. Stock and Watson (2020). Introduction to Econometrics, Global Edition, Pearson Inc.