

## DMG 4164 - RESEARCH METHODS FOR POPULATION SCIENCES

### Course Objectives:

This unit is a practical approach of conduct research in the field of population sciences. The emphasis is on to demonstrate different research types and research methods and their application to the empirical study of population sciences.

### Expected Outcomes:

By the end of this course unit, the students should be able to:

- 1) Demonstrate an understanding of key concepts in research methods for population sciences.
- 2) Identify appropriate research design for a range of research questions in population sciences.
- 3) Evaluate the strengths and weaknesses of survey research design and data collection methods.
- 4) Evaluate critically published research in the field of population sciences.
- 5) Demonstrate an understanding of how research methods can be used in demography/  
population sciences.
- 6) Learn the SPSS to manage and analyze of data.

### Course outline:

- 1) Introduction: concepts, definitions and scope of research & research methods
- 2) Various research types used in population sciences
- 3) Defining and clarifying the research question and writing a research proposal
- 4) The tools available to conduct research including different forms of data collection
- 5) Practical aspects of field work; quantitative and qualitative perspective
- 6) Data file preparation and analysis; quantitative and qualitative
- 7) Bi-variate and multivariate techniques for demography/population sciences
- 8) Writing scientific reports

	<b>Assessment</b>
<b>Method</b>	<b>Weightage</b>
Two Assignments (at 10% each)	20%
Mid-Semester Test	20%
End-of-semester Examination	60%
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<b>Total</b>	<b>100%</b>
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