

DEM 2110: SOURCES AND MEASURES OF DEMOGRAPHIC DATA

Pre-requisite: DEM 1110

Co-requisite: None

Lecturer: Ms. M E Kasonde; Co-Lecturers: Dr. C C Mapoma, Mrs. C Banda - Daka

Lecture Hours: Monday 10:00 AM; Wednesday¹ 10:00AM; Friday 3:00 PM

1. AIM

To enable students have a fuller understanding of the main sources of demographic and socio-economic data. The course also introduces students to the basic concepts and measures of demographic and socio-economic data.

2. COURSE OBJECTIVES

By the end of the course, students are expected to be able to do the following:

- Demonstrate an understanding of the main sources of demographic and socio-economic data;
- Develop an understanding of basic concepts and mathematical measures of demographic and socio-economic data;
- To present the results as required for planning, research and administration by their institutions.

3. COURSE OUTLINE

3.1. Main Sources of Demographic and Socio-economic Data

i. The Census

- Definitions and historical background; Methodological approaches and Essential features of censuses; Types of censuses
- Census Planning and Organization
- Topics for censuses
- Problems and limitations; prospects.
- Census Data Utilization: General uses; Uses of small area data; Integration of cross-cutting and emerging issues; Development indicators

ii. Sample Surveys;

- Definition and historical background of sample surveys;
- Types of sample surveys
- Designing sample surveys
- Problems and limitations; prospects

¹ Face-to-face at 7:00 AM

iii. **Vital Statistics Systems**

- The vital statistics system: Definitions; Sources of data for vital statistics; Definitions of vital events for statistical purposes; Principles for collection and compilation of vital statistics.
- Civil registration system as a source of vital statistics: Definitions and historical background; Recommended vital events to be registered; Characteristics of the civil registration system; problems and limitations; prospects.
- Uses of civil registration records and vital statistics.

iv. **Population registers**

- Definition and historical background of population registers
- Problems and limitations; prospects

v. **Alternative contemporary sources of demographic data**

- Demographic surveillance systems
- Sample vital registration with verbal autopsy
- Health management information systems
- Education management information systems

vi. **Unconventional sources**

- Social security reports; tax returns; research reports and current journals; national and international publications etc.

vii. **The status of data collection in Africa; Zambia in particular**

- Current status of data collection
- Census, surveys, civil registration systems and other sources as complementary sources of data

3.2. **Introduction to measures, and presentation of demographic and socio-economic data:**

- i. Concepts and measurements of demographic variables: percentages, rates, proportions, and ratios; graphic methods of presenting demographic and socio-economic data.

4. **METHOD OF TEACHING**

- (a) Three hours of lectures per week.
- (b) One hour tutorial per week.

5. **ASSESSMENT**

- (a) Continuous assessment: 50% Components: (30%) tests, (20%) assignments
- (b) Final examination: 50%

6. **REQUIRED READINGS**

United Nations (2008). Principles and Recommendations for Population and Housing Censuses: Revision 2

United Nations (2001). Principles and Recommendations for a vital statistics system: Revision 2

Shryock, H.S and J.S Siegel (2004). The Methods and Materials of Demography. Academic Press: New York.

7. **RECOMMENDED READINGS**

Bogue, Donald J. (1969). Principles of Demography. New York: John Wiley.

United Nations (2005). Designing Household Survey Samples: Practical Guidelines

Weeks, J.R. (2008). Population: An Introduction to Concepts and Issues. Belmont, California: Wadsworth Publishing Company.

Kpedekpo, G.M.C. (1981). Social and Economic Statistics for Africa: Their Sources, Collection, Uses and Reliability. London: George Allen and Unwin.