DMG 4160 – COMPUTER APPLICATION FOR DEMOGRAPHIC ANALYSIS

Course Objective:

The main objective of this course unit is to provide knowledge for students on computer
software packages which could be used to analyze population data.

Expected Outcomes

At the end of the course unit students should be able to analyze demographic data sets using these packages and derive relevant demographic measurements.

Course Contents:

Topic

1. Introduction

2. Population Analysis Spreadsheets (PAS)
   (PAS) Population Analysis Spreadsheets are set of Excel spreadsheets used for the calculation and analysis of
   population
   - i   Age Structure
   - ii   Mortality
   - iii   Fertility
   - iv   Migration
   - v   Geographic Distribution of the Population
   - vi   Urbanization
   - vii   Population Projections

3. Mort pack: The United Nations software package for mortality measurement. The package
   incorporates recently developed techniques that take advantage of the United Nations model
   life tables and generalized stable-population equations

4. Spectrum: A policy modeling system for projecting future requirements for improving
   reproductive health

5. Rural / Urban Projection (RUP) Program

6. People (Population Projection)

	Assessment	
Method		**Weightage**
Two Assignments (at 10% each)		20%
Mid-Semester Test		20%
End-of-semester Examination		60%

Total		100%
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