

PROGRAMME IN POPULATION AND SETTLEMENT GEOGRAPHY

AGE 838	Population Theories and Demographic Data Analysis
Course content (including topics)	World population growth; Development of population theories; Malthusian population theory; Marxist Socialist population theory; Biological theories of population; Optimum population theory Demographic transitional theory; Sociological population theories. Nature of demographic data; Basic demographic measures; Measures of fertility parameters; Measurement of mortality parameters; Measurement of migration; Methods of population projection Errors in demographic data
AGE 839	Methods and Techniques of Demography
Course content (including topics)	Nature of Demographic data; Basic concepts in Demography; Sources of Demographic data. Basic demographic measures: Sex ratio, child women ratio, Dependency ratio, crude birth; rate age specific rates, probability of dying; Measurement of fertility parameter; Fertility, live birth, fecundity; Problem of fertility measurement. Factors affecting fertility; Basic measurement of fertility. Measurement of mortality variables; Proximate Determinant of mortality; Distal determinants of fertility; Direct and indirect standardization of mortality; Infant mortality rate. Measurement of migration; Indirect measures of migration; The National Growth rate techniques; Vital registration technique; Errors in Demographic data; Methods of detecting of errors in population data: Quality of data, Methods of correcting errors in population data. Population projections: Methods of population projection, Comparison of the methods of population projection, Arithmetic method, Geometric method, Incremental increase method
AGE 840	Fertility, Mortality and Migration Dynamics
Course content (including topics)	Introduction: Basic definitions of fertility and, mortality and migration; Analysis of fertility and mortality; Problems of measurement. Fertility: – global patterns and trends; Determinants of fertility; Fertility levels in Africa; Fertility control (anti-natal, pro-natal policies); Mortality: Global patterns and trends of mortality. Migration: Typology of migration, Types and patterns of migration (traditional and modern types), Global patterns of migration, Refugee migration, International labour migration, Rural to Urban; urban to rural, rural to rural migration

AGE 841	Population Pressure and Environmental Change
Course content (including topics)	Concepts of: Population Pressure, Over Population, Optimum Population, Under Population. Indicators of Population Pressure, Measurement of Population Pressure, Population Pressure in Africa's Dry Lands, Evolution of Population pressure in Kenya, Consequences of Population Pressure, Population Pressure and Environmental Degradation: Desertification, Aridity, Climate Change, Emission of Green House Gases, Destruction of the Tropical Rain Forests; Population Pressure and Human Environment Deterioration
AGE 842	Principles of Settlement Geography
Course content (including topics)	Introduction: Types Of Human Settlements, Functions Of Rural Settlements, Functions Of Urban Settlements, Patterns Of Human Settlements. Evolution of settlements: Environmental Determism; Theory Of Neolithic Revolution; Religious Theories; Evolution And Development Of Urbanization; Urban Revolution. Human settlements in Africa. Theories and techniques of settlements, Distribution And Spacing Of Settlement; Urban Sphere Of Influence; Central Place Theory; Von Thunen's Model; Nearest Neighbor Index, Rn. Urban Morphology: Models Of Urban Morphology (Concendric, Ring Model, Multiple Nuclei Model Etc); Urban Primacy. Problems of urbanization
AGE 843:	Methods and Techniques of Settlement Geography
Course content (including topics)	Review of basic concepts and definitions such as urban, city, legal city, geography city and megalopolis and basic measures such as nearest neighbour statistics and rank size. Urban economic base and related concepts and measures. Use of gravity models for predicting spheres of influence, models of impulse transmission. Determination of central place hierarchies, cluster size and cluster function, lattices and k functions, fixed and variable k models. Weberian analysis and movement minimization models.
AGE 844:	Population and Settlement in Africa
Course content (including topics)	Introduction: Population Densities and Distribution in Africa; Characteristics of the Population; Consequences of Youthful Population in Africa. Population policies in Africa. Contemporary issues of population in Africa; Dynamics of Population Change; Fertility levels and Trends; Cultural determinants of Fertility;

	Mortality Trends; International Migration and Refugee Issues; Population and HIV/AIDS issues. Functions and Patterns of Settlement in Africa; Rural Settlements and Forms of Economy in Africa; Urban Settlements in Africa; Problems of Human Settlements in Africa
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