**The Core Curriculum - Lecture Outline**

A. Populations in Transition

1. Population Change
   1. explain population trends and patterns in births (CBR)
   2. natural increase - DTM
   3. mortality (CDR, infant and child mortality rates)
   4. fertility and life expectancy in contrasting regions of the world
   5. analyzing population pyramids
   6. explained population momentum
   7. explained population projections
   8. population momentum and its impact on population projections
2. Responses to High & Low Fertility
   1. explain dependency and aging ratios
   2. examining the impacts of youthful populations
   3. examine the impacts of an aging population
   4. evaluates examples of pro-natalist policies
      1. get case study of China and population pyramids
   5. evaluates examples of an anti-natalist policies
      1. get case study of???
3. Movement Responses -- Migration
   1. discuss the causes of migrations (push and pull factors)
      1. forced and voluntary migration
   2. evaluates internal (national) migration in terms of geographic impacts at their origins and destinations (socio-economic, political and environmental impacts)
   3. evaluates international migration in terms of geographic impacts at their origins and destinations (socio-economic, political and environmental impacts)
4. Gender and Change
   1. examined gender inequality
      1. culture
      2. status
      3. education
      4. birth ratios
      5. health
      6. employment
      7. empowerment
      8. life expectancy
      9. family size
      10. migration
      11. legal rights
      12. land tenure

B. Disparities in Wealth and Development

1. Measurements of Regional and Global Disparities
   1. define indices of infant mortality, education, nutrition, income, marginalization, human development Index (HDI)
   2. explain the value of the indices in measuring disparities across the globe
2. Origin of Disparities
   1. explain disparities and inequities that occur within countries resulting from ethnicity, residents, parental education, income, education (formal and informal), and land ownership
3. Disparities and Change
   1. identify the changing patterns and trends of regional and global disparities of life expectancy, education and income
   2. explain the changing patterns and trends of regional and global disparities of life expectancy, education and income
4. Reducing Disparities
   1. discuss the different ways in which disparities can be reduced with an emphasis on trade and market access, debt relief, aid and remittances
   2. evaluate the effectiveness of strategies designed to reduce disparities

C. Patterns in Environmental Quality and Sustainability

1. Atmosphere and Change
   1. describe the functioning of the atmospheric system in terms of the energy balance between solar and long wave radiation
   2. explain the changes in this balance due to external forces (changes in solar radiation, changes in the albedo of the atmosphere and changes in the long wave radiation returned to space)
   3. discuss the causes and environmental consequences of global climate change
2. Soil and Change
   1. explain the causes of soil degradation
   2. discuss the environmental consequences of soil degradation
   3. discuss the socioeconomic consequences of soil degradation
   4. discuss soil degradation management strategies
3. Water and Change
   1. identify the ways in which water is utilized at the regional scale
   2. examine the environmental factors affecting patterns and trends in physical water scarcity
   3. examine the environmental factors affecting patterns and trends in economic water scarcity
   4. examine the human factors affecting patterns and trends in physical water scarcity
   5. examine the human factors affecting patterns and trends in economic water scarcity
   6. examine the factors affecting access to safe drinking water
4. Biodiversity and Change
   1. explain the concept and importance of biodiversity in tropical rain forests
   2. examined the causes and consequences of reduced biodiversity in this biome (tropical rain forests)
5. Sustainability and the Environment
   1. define the concept of environmental sustainability
   2. evaluate a management strategy at a local scale designed to achieve environmental sustainability
   3. evaluate a management strategy at a national scale designed to achieve environmental sustainability

D. Patterns in Resource Consumption

1. Patterns of Resource Consumption
   1. evaluate the ecological footprint as a measure of the relationship between population size and resource consumption
   2. identify international variations in the size
   3. discuss the two opposing views of the relationship between population size and resource consumption
      1. Malthus
      2. neo -Malthus
      3. anti- Malthus
2. Changing Patterns of Energy Consumption
   1. examine the global patterns and trends in the production and consumption of oil
   2. examined the geopolitical and environmental impacts of these changes in patterns and trends
   3. examine the changing importance of other energy sources
3. Conservation Strategies
   1. discuss the reduction of resource consumption by conservation
   2. discuss the reduction of resource consumption by waste reduction
   3. discuss the reduction of resource consumption by recycling
   4. discuss the reduction of resource consumption by substitution
   5. evaluate a strategy at a local or national scale aimed at reducing the consumption of one resource