

Add-on Course in Economics

Vital Statistics and Demographic Change in India

Department of Economics

Hooghly Women's College

Course Coordinators:

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<u>Sl No.</u>	<u>Course Title</u>	<u>Content</u>
1	Vital Statistics and Demographic Change	Vital statistics are a critical information resource for understanding public health and examining such key indicators as fertility, mortality and causes of death and the factors associated with them.
2	Prerequisite	Students of Economics Honours as well as those from other disciplines who are interested in studying Economics.
3	Course Objective	This Add-on Course , conducted by Department of Economics , Hooghly Women's College, Will teach students how to measure different vital statistics which are related to demographic change in India. We will discuss different economic issues related to population .
4	Career Prospect	Through such a course students would enable themselves to develop skills of measuring Vital events and critically analyse current economic issues related to demography.
5	Faculty Requirement	Internal - Department of Economics.
6	Course Fee	Nil
7	Intake Capacity	All Students of Economics Honours for Sem-6 as well as those who have chosen economics generic in sem-3 & 4.
8	Contact Hours	30 hrs.
9	Course Duration	30 Classes across 15 weeks [One Class-1 hr 2 classes per week]
10	Course Outcome	Students will develop basic knowledge in the field of 'Vital Statistics'.

11	Course Content	Detailed in Annexure-1 and Annexure-2.
12	Assessment Process	Written Assignment and MCQ.

Annexure - 1

Course Content

Course Details

Module	Title	Lectures
1	Basic Concepts of vital statistics.	4
2	Human Resources and Development.	6
3	Measurement of mortality, fertility and population Growth.	9
4	Life Table	6
5	Demographic change in India.	5

Module - 1: Basic Concepts of Vital Statistics

- Introduction
- Different concepts of vital events (Fertility, Mortality etc.)
- Population growth rate.

Module - 2: Human Resources and Development

- Theory of demographic transition
- Historical trends
- Trends in birth and death rate.
- Malthusian view.
- Population and environment.

Module - 3: Measurement of Fertility, Mortality and Population growth

- Measurement of mortality (Crude death rate, Specific death rate, Standardised death rate) .

- Measurement of Fertility (Crude birth rate, General fertility rate and total fertility rate).
- Measurement of Population Growth (Vital index, Gross reproduction rate, Net reproduction rate).

Module - 4: Life Table

- Concept of life table.
- Complete life table.
- Abridged life table.
- Method of construction of life table.
- Uses of life table.

Module - 5: Demographic change in India

- Effect of change in vital events on population growth.
- Demographic transition process.
- Age-specific population growth rate.
- Opportunities and challenges.

Annexure - 2

Lesson Plan:

<u>Lectures</u>	<u>Content</u>
1-4	<ul style="list-style-type: none"> ● Introduction ● Different concepts of vital events (Fertility, Mortality etc.) ● Population growth rate.
5-10	<ul style="list-style-type: none"> ● Theory of demographic transition ● Historical trends ● Trends in birth and death rate. ● Malthusian view. ● Population and environment.
11-19	<ul style="list-style-type: none"> ● Measurement of mortality (Crude death rate, Specific death rate, Standardised death rate) .

	<ul style="list-style-type: none"> • Measurement of Fertility (Crude birth rate, General fertility rate and total fertility rate). • Measurement of Population Growth (Vital index, Gross reproduction rate, Net reproduction rate).
20-25	<ul style="list-style-type: none"> • Concept of life table. • Complete life table. • Abridged life table. • Method of construction of life table. • Uses of life table.
25-30	<ul style="list-style-type: none"> • Effect of change in vital events on population growth. • Demographic transition process. • Age-specific population growth rate. • Opportunities and challenges.

Annexure - 3

Evaluation Modalities

<u>Module</u>	<u>Title</u>	<u>Strategies</u>
1	Basic Concepts of Vital Statistics	MCQ and Assessment
2	Human Resources and Development	MCQ and Assessment
3	Measurement of Fertility, Mortality and Population growth	MCQ and Assessment
4	Life Table	MCQ and Assessment
5	Demographic change in India	MCQ and Assessment

Evaluation Modalities: Distribution of Scores

Written Assignment	15
Attendance	05
MCQ	30
Total	50

Table for Qualification:

<u>Score out of 50</u>	<u>Grade</u>
40-50	A+
30-39	A
20-29	B
10-19	C
1-9	D

Rules and Regulations

1. All Scheduled Written assignments must be submitted.
2. Students must attend 60% of the classes. Marks for attendance will be awarded based on the following structure:

<u>Attendance Percentage</u>	<u>Marks</u>
90-100	05
80-89	04
70-79	03
60-69	02
Below 60	Nil