**Department of Economics**

Forman Christian College

(A Chartered University)

Spring 2023

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| Course Title | Population Economics |
| Course Information | Econ – 210 3 credits , Prerequisite: None  |
| Class Timing /Venue | Section A: 9:30 to 10:45 (Tuesday, Thursday), E-202  |
| Instructor | Hafiz Rizwan Ahmad |
| E-mail / Cell#/ Office | rizwanahmad@fccollege.edu.pk / 03334644771/ E-223 |
| Office Hours | Monday, Wednesday, Friday (12:00 to 12:50)Tuesday and Thursday (11:00 to 12:50) |

**COURSE DESCRIPTION:** This course is designed to introduce students with basic concepts of demography and theories of Population Economics. The main contents of the course will include historical trends in fertility & mortality, demographic transition, socio-economic impact of population composition and its characteristics, theories of population and economic development, role of youth, consequences of ageing, issues of education, health & labor market, and concept of demographic dividend. This course also aims to develop basic skills to use census and other population data sources to calculate, analyze and interpret different demographic statistics like crude birth rate, crude death rate and socio-economic characteristics of a population.

**LEARNING OBJECTIVES**

* Understand basic concepts and theories of Population Economics.
* Analyze past, current and future trends of population change
* To analyze demographic profile of Pakistan, its comparative position in terms of population and resources
* To teach about the factors that affects population change
* Use census and other population data sources to calculate, analyze and interpret different demographic and socio-economic characteristics of a population.
* To Understand basic concepts of fertility, its determinants, calculations and analyze different case studies
* To draw and interpret different graphs through online tools
* Critically analyze population policies of different countries.

**Learning Outcomes**

By the end of this course students should be able

1. Calculate and interpret different demographic indicators
2. Use demographic data sources to analyze past current and future trends of population data
3. Understand debate of population and economic development
4. Use of interactive graph, charts and tables
5. Calculate different measures of demography like mortality, fertility, migration etc.
6. To understand and analyze pessimists and optimists’ views of population and economic development.

**BASIC TEXT BOOKS**

1. PRB’s Population Handbook (2011, 6th edition), by Arthur Haupt , Thomas T. Kane, and Carl Haub
2. Population: An Introduction to Concepts and Issue by John R. Week, 9th edition, Thomson Publishers

**Online Links**

Useful links for reading materials and data sources

United Nations Population Division's website: <http://www.un.org/en/development/desa/population/>

World Population Prospect 2017: <https://esa.un.org/unpd/wpp/>

Website of United Nations Population Division, Policy Section: <https://esa.un.org/poppolicy/wpp_datasets.aspx>

**TEACHING-LEARNING METHODOLOGY**

Basic methodology of this course is based upon the following philosophies

* *Knowledge can be generated in the classroom and should not just come from teacher only*
* *The beauty of question is one- half of knowledge*

So ask questions, listen others patiently and share your views in constructive manners, this will help us to learn this course effectively with true sense of learning and knowledge.

Other than course material, the main tool of learning in this course will be based on class discussions. Everybody in the class is expected to participate and will be given respect. In this class, students will see *Insha Allah* that how beauty of the questions can generate knowledge and make things clear and easy. I ensure you that every concept I will teach you will be taught with reference to real life examples, you may ask about the relevance and practical use of any topic, content or even formula and in return same will be expected from you. ***In this course, you are expected to understand, analyze, present, write and speak about every topic we will study. Expect all above things from me during classes and I will expect the same during exams.***

Other learning/teaching methodologies include:

* Lectures
* Handouts
* Skill Development Exercises
* Google Surveys
* Online tools

**ASSESSMENT & EVALUATION**

Quizzes                                                                     10 %

Reflective Journal                                                 10 %

Class Activities/Tasks                                         10%

Mid Term 1                                             35 %

Mid Term 2                 35%

Total                                                                        100%

**Calendar of Activities**

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| **Topic** |  **Contents** | **Task/ Activities** |
| 1 | **Introduction to Population Economics**overview of the course, its Objectives, learning techniques. Scope and Importance of Course. | SDE1Reflective Journal: History of Human Population |
| 2 | **Trends in Population Change**History of Population Growth. Population of the world, some facts and figures. Future population of the world. Theory of demographic transition  | Use of Website our world in dataSDE 2: History of Population growth  |
| 3 | **Data Sources and tools of analysis.** Data Sources and techniques of analysisSearching the desired data, Calculation of Indices, Uses of data and graphs. Mapping the indicators. Analysis and interpretation of data | Class Activities: Comparing different age structures through population pyramids. Exploring the data options.  |
| 4 | **Demographic Profile of Pakistan**Comparative position of Pakistan in the worldPakistan, its population and resourcesDemographic profile of Pakistan  | Reflective Journal questions International ranking of Pakistan. Is Pakistan a poor or poorly managed country? Analyzing demographic profile of Pakistan  |
| 5 | **Age and Sex Composition of Population** Young and Old Populations, Median age, Sex ratio, age dependency ratios, population pyramids. Age structure of population growth | SDE 3: Calculation of Households size and different indicators through collection of dataSDE4: Drawing population pyramids |
| 6 | **Fertility its measures and its determinants.** Measures of fertility, CBR, GFR, CWRCalculation of Total fertility rate. | SDE 5: Calculation of fertility rate ( Class activity)  |
| 7 | **Public Health and Economics** Economic consequences of poor health and disease Determinants of good and poor health Issues related to efficiency, effectiveness, value and behavior in production of health services. | Reflective Journal Questions What makes people healthy and happy?  |
| 8 | **Measures of Mortality, Morbidity and Migration** Measures of Mortality: Death rate, age specific death rate, cause specific death rate, Infant mortality rate and maternal mortality rateMeasures of Morbidity: Incidence rate, case rate, case fatality rate. Measures of Migration: Immigration rate, migration rate, net migration rate | Practice question in SDE 1-5 |
| 9 | **Theories of population and economic development** Pessimistic Views of Population growth and economic development, Malthus theory of population, critical analysis of Malthus theory. History of wrong predictionsOptimistic Theory of population growth and economic development. Quotes of Julian Simon. Contribution by Julian Simon in the theory of Scarcity and Population  | HandoutGoogle survey Quiz  |
| 10 | **Population and Welfare Policies.**How can we make our population productive? Importance of spending in life. Overcoming racial and ethnic conflicts in a society Social values of Japanese people: Case study  | HandoutReflective journal questions Case study  |
| 11 | **Population and its impact on social-economic variables**Relationship between population and GDP equation, Population and provision of basic facilities, population and resources. How large families affect women's health, future generations etc.  | Google survey/ an experiment to differentiate myths form reality Class activity: Survey 2 population and economic variables Analysis of Survey Results  |
| 12 | **Age structures and their importance** Age structure transitions and its importance. Ageing, reasons of ageing and its social and economic consequences. Calculation of ageing index and its economic interpretation  | Questions in SDE 3-5 |
| 13 | Population Policy and its justification Critical Analysis of Population Policy of Pakistan, Japan and China  | Assignment |

**UNIVERSITY GRADING POLICY**

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| A |  93% - 100% | 4.0 | C | 73% - 76% | 2.0 |
| A- | 90% - 92% | 3.7 | C- | 70% - 72% | 1.7 |
| B+ | 87% - 89% | 3.3 | D+ | 67% - 69% | 1.3 |
| B | 83% - 86% | 3.0 | D | 60% - 66% | 1.0 |
| B- | 80% - 82% | 2.7 | F | Below 60% | 0.0 |
| C+ | 77% - 79% | 2.3 | W | Withdrawn |  |
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**Attendance and Class Participation**

Your class participation in form of Discussion Forum and daily attendance has 10 percent weightage, if you miss those you will loose your marks on daily basis. Eighty percent attendance is also necessary to sit in Final paper.

**MISCONDUCT, PLAGIARISM AND DISHONESTY**

Dear students, Forman Christian College expects you to meet the highest ethical standards and observe and practice the core values in your life. Academic standards prohibit:

* Concealing notes during examinations
* Collusions between students in examination
* Copying the work of other student(s) with or without that student’s knowledge during exam or outside of class
* Plagiarism: The definition for plagiarism includes copying of any kind of work without giving credit to the source of the information, i.e. representing another’s work or ideas as one’s own. For example, word-for-word copying from published material, “copy and paste” from the internet or other electronic sources, and paraphrasing other’s ideas without giving proper citation to the quoted or paraphrased work. In addition, self-plagiarism is also prohibited (a student using his/her previously written paper to meet the requirements for another class)
* Unauthorized cooperation on individually assigned work
* Any other act of academic dishonesty
* Students are responsible for others’ cheating, i.e. students should not allow others to copy off their papers

Breaches of academic standards will result in the following censures:

First offence: a grade F or a zero will be assigned to the paper, report, quiz or test. The student’s final grade for the class must be reduced by at least one letter grade.

Second offence: an automatic dismissed from the course in which the second offence occurred with a resulting final grade of “F”.

Third offence: the student will be called before an Academic Review Board to show cause why the College should not suspend him or her. The Vice-Rector will convene such a hearing.