Form (H)
Short course description

Course title: Population Studies (Demography)	Course number and code: STAT 231
Previous course requirement: Stat 101	Language of the course: Arabic
Course level: Elective course for all	Effective hours: 2(2+0+0)

Course description

Rates and Ratios - Relative numbers - The use of ratios in demography- Vital statistics rates - Types of ratios - Sex ratio - Child-Woman ratio - Territorial distribution - Density of population - The rate of population growth - Crude birth and death rates Age-Specific death rate - Infant death rate - Age-Specific birth rate - General fertility ratio - Total fertility rate - Gross reproduction rate- Life Tables- The Study of Mortality - Measurement of Fertility- Growth of Population - Migration and the Distribution of Population.

Course objectives

Give students theoretical and practical background on the use of statistical models in the field of population statistics.
The student's knowledge of the statistical measures for births and Deaths.
Students learn how to construct and use life tables.
Understanding internal and international migration.

Learning outcomes (understanding, knowledge, and intellectual and scientific skills)
After studying this course, the student is expected to be able to:

Describe the basic principles of demography and the need for it.
Explain the kinds of measurements derived from census data, how to be calculated and the relationships between them.
Read, evaluate, and interpret numerical, statistical and general scientific information.
Search and use the statistical literature in both printed and electronic formats
Understand the interrelationships between statistics, technology, and society in general.

Textbook adopted and supporting references

Title of the book	Author's name	Publisher's name	Date of publication
Techniques of Population Analysis	G. W. Barclay	Wiley and Sons	1958
Demography	Peter R. Cox	Cambridge University Press	1976
Applied mathematical demography.	Nathan Keyfitz	Hal Caswell	2005