

STAT- 818 Population Analysis (3 Credit Hours)

1. Objectives

This course aims to introduce students to theories and models related to population and demography.

2. Course Contents

State of Population: Stable and stationary population models, Theories of population growth, Population estimates and projections. Demographic effects of Population Growth. Economic, political and social implications. Consequences of a world population growth. Development of demographic profile in Pakistan. Pakistan's place at the global level, Recent demographic parameters, current and future demographic activities in Pakistan. Mathematical and Statistical Demography. Related applications/computations with R.

3. Recommended Books:

- i. Hind, A., Demographic Methods, Routledge, (2014).
- ii. Poston, D.L. Micklin, M. Handbook of Population. Springer Sci. & Busi. Media. (2006).
- iii. United Nations, World Population Assessment, UNFPA; New York (1998).
- iv. Pollard, A. H., Yusuf F., Pollard G. N. Demographic Technique. Pergamon Press, Oxford, Eng. (1983).
- v. Sharma R.K. Demography and Population Problems. Atlantic Pub. & Dist. (2004).

4. Outcomes

On successful completion of this course, students will be able to study the population and demography.