

**Course outcomes:**

After completing this course, a student will have:

- Knowledge of the terms like null and alternative hypotheses, two-tailed and one-tailed alternative hypotheses, significant and insignificant, level of significance and confidence, p value etc.
- Ability to understand the concept of MP, UMP and tests.
- Ability to understand under what situations one would conduct the small sample and large sample tests (in case of one sample and two sample tests).
- Familiarity with different aspects of Applied Statistics and their use in real life situations.
- Ability to understand the concept of Time series along its different components.
- Knowledge of Index number and their application along with different types of Index numbers.
- Familiarity with various demographic method and different measures of mortality and fertility.
- Ability to understand the concept of life table and its construction.
- Knowledge to understand the concept of statistics quality control and different control charts for variables and attributes.