



COURSE SPECIFICATION 4th SEMESTER:

Course Name : Statistics
Code : KU 443
Credit : (2-1)

Course Description:

This course study the research design, survey methods and experimental methods in agricultural research, types of data distribution, data analysis, and data problems and how to overcome them. Various type of data analysis such as Duncan multiple range tets, Tukey HSD, amd orthogonal contrast were studied. How to interpret the data is also studied in this course.

References:

- Efren C. Altoveros. Applied Experimental Designs for Agriculture Research (Lecture Notes)
- Gomez, Kwanchai A and A.A. Gomez. 1984. Statistical procedures for agricultural research. A Wiley-Interscience publication. Newyork. " Previously published as: Statistical procedures for agricultural research with emphasis on rice/ K. A. Gomez., A. A. Gomez.
- Gomez Kwanchai A dan Arturo Gomez ,1995. Prosedur Statistik untuk Penelitian Pertanian. Edisi kedua.
- Singarimbun, Masri dan Sofian Effendi. 1989. Metode Penelitian Survey. LP3ES. Jakarta.
- Yitno Sumarto Suntoyo, 1993. Percobaan: Perancangan Analisis dan interpretasinya.

Topics:

1. Data sampling
2. Descriptive statistics
3. Regression and correlation analysis
4. Hypothesis testing
5. Data problems
6. Environmental design
7. Treatment design