

Course Type Lecture Lab
 Practicum Thesis/IS.

Measurement and Evaluation A-F S/U P

Selected Topic (if any) Count the accumulated credits for graduation every time
 Count the accumulated credits for graduation one- time only

Abbreviation: ANAL AGRI SYST

Prerequisite: None

Course Description:

Study about database management and analysis methods to deal with agricultural system data using statistical approaches to manage and analyze data with multiple variables, including regression, factor or principle component and cluster analyses. The interpretation of the results to identify problems and relationships between different components of agricultural systems leading to screening alternative solutions and improvement of the situations

Course Objectives Students will be able to:

1. apply statistical methods to manage database and analyze agricultural system data
2. analyze statistical results to describe the relationships between different components of agricultural systems

Course Contents	No.of Lecture Hours	No. of Lab
1. Data Base Management	1	3
2. Statistical Estimate and Hypothesis Testing	2	6
3. Regression Analysis	4	12
4. Factor Analysis/Principal Component Analysis	4	12
5. Cluster Analysis	4	12
Total	<u>15</u>	<u>45</u>