Course	Title	Credit
No.		
AEX 601	Research methodology and techniques	4+0
AEX 602	Advances in Extension education	4+0
AEX 604	Courses on thesis writing	4+0

Ph. D. Syllabus in the Department of Agricultural Extension

AEX 601 Research methodology and techniques 4 + 0

Objectives:

To orient the scholars regarding various concepts and techniques of research methodology in agricultural extension

Syllabus

Unit I

Concept and meaning of research-Purpose of research in social science-characteristics of research in behavioural science

Theories of research- Construction of theories –Steps in research-Selection of problems-Formulation and testing of hypotheses- generalization.

Research Design- types of research designs-Recent trends of behavioural research and its research designs.

Details of sampling procedures-Probability sampling-simple random sampling techniques-multistage sampling-pps sampling- stratified sampling- cluster sampling-systematic sampling—Non probability sampling-quota sampling-spatial sampling-representative sampling-Survey procedures, Sampling errors.

Sources and types of data- Different formal and informal methods of data collection-Construction of structured schedule and questionnaire-pilot study and pretestinglogistic arrangements of data collection. Variables –classification and oprationalization of different types of variables relevant to behavioural science.

Unit II

Test and Measurement applied to extension education -Levels of measurement-Reliability and validity-types and measurement- Objective test and scales- some important scaling techniques relevant to extension research -Construction of Indexsociometric technique -Content analysis.

Learning Outcome:

The learners are expected to develop expertise on different concepts and techniques of research methodology in agricultural extension

Objectives:

To orient the scholars regarding various advance concepts and issues of extension education, communication, extension management, project management and development communication in the field of agricultural extension

Syllabus

Unit I

Extension Education: concept, principles, typology and dimension. Evolution of extension Concept across time and space.

Unit II

Communication concept -Principle and typology- methods- genesis and evolution of application of communication extension- recent trends in application of communication extension and development-indigenous communication –some modern group and mass methods of communication.

Unit III

Application of Management Concept in extension- human resource managementorganization management and marketing management- case studies

Unit IV

Project Management – Project - Concept; Characteristics; Life Cycle; Types. Project management process, Logical Framework Approach. Networking – Meaning, Network analysis, PERT, GERT, CPM.

Unit V

Development of communication plan for a specific area/project-Development of management case studies in extension- Appraisal of ongoing project – development of new project

Learning Outcome:

The learners are expected to develop expertise on different concepts and issues of extension education, communication, extension management, project management and development communication in the field of agricultural extension

AEX 604

Courses on thesis writing

4 +0

Objectives:

To orient the scholars regarding various concepts and issues of thesis writing, presentation and writing of synopsis and seminar presentation

Syllabus

Unit I

Meaning of Thesis –Some basic dimensions and formality of submission-Components of thesis and their importance

Unit II

Presentation and writing of synopsis

Unit III

Developing Seminar presentation

Unit IV

Writing the introduction-Conducting review of literature - Developing theoretical orientation and framing conceptual model-Organizing research methodology chapter-writing the findings and discussion chapter- drawing the summary and conclusion – writing implications and framing empirical model-citing the references and appendices

Learning Outcome:

The learners are expected to develop expertise on different concepts and issues of thesis writing, presentation and writing of synopsis and seminar presentation