Agricultre

DEGREE STANDARD

1. IMPORTANCE OF AGRICULTURE
Importance of Agriculture in Indian Economy and its sectoral relationship - Agricultural Development through five year plans in India and Tamil Nadu - Growth pattern of crops in India and Tamil Nadu in terms of area, production and productivity.

2. CROP PRODUCTION

3. CROP IMPROVEMENT

Seeds - Importance of quality seeds in Agriculture - Nucleus, Breeder, foundation, certified and labelled seeds - Seed certification techniques and processes in Tamil Nadu - Seed testing - Used village concept.

4. CROP PROTECTION
Importance of pest, disease and weed management in agriculture - pest and disease surveillance and forecasting weather on pest and disease incidence - Symptoms of damages and control measures of pest and diseases of major crops in Tamil Nadu - Integrated post and disease management in crop production - Pesticide and their use - Pattern - plant production equipments and their use - Plant quarantine.

Storage pests and disease and their management. Importance of biological control in insect management. Weeds - Major weeds and their control.

5. CROP MANAGEMENT

Cropping system and integrated farming - Recycling of agricultural waste - Mushroom cultivation, bee keeping, silkworm rearing etc., Energy in Agricultural production - Sources - Solar, wind, animal, biomass and biogas - Mechanisation in agriculture - Tractors & tillers - Agricultural implements and Machineries and their usage.

Farm management - Principles of farm business management - Cost concepts - Management of resources - Farm Planning and budgeting - Investment analysis - Agricultural credit system in India - Multi credit delivery system - Role of nationalised banks and Regional Rural Banks - Lead Bank Scheme - Service area - approach - Scale of finance.
Agriculture
