**Course outline**

**Introduction to Agricultural Waste Management**
- Concepts, definitions and classification of wastes
- Effects of wastes on the environment and health
- Objectives of Agricultural Waste Management
- Components of the Agricultural Waste Management system, their functions and design considerations

**Livestock and poultry waste management**
- Characteristics of manure
- Sources of manure pollution of the environment
- Effects of manure on ground and surface water pollution, air pollution and on climate change
- Technologies for manure collection, handling and storage
- Manure treatment and utilisation options (biogas and composting technologies)
- Odour control
- Agricultural waste disposal methods on agricultural fields and application rates

**Management of Horticultural Wastes**
- Types, sources and characteristics of horticultural wastes
- Utilisation potentials of horticultural/agro-processing wastes
- Technologies for processing specific horticultural wastes into added value products

**References**


