

Management of Infectious Disease Outbreaks in Animal Populations

Overview

This module is designed to teach both the theoretical and practical information required for the management of a major infectious disease outbreak of farm animals.

Topics will include epidemiology of infectious diseases, risk and cost-benefit analysis, surveillance, diagnosis and vaccination strategies before and during an outbreak, contingency planning and case studies to illustrate how disease outbreaks could be better managed.

Welcome to the course

Management of Infectious Disease Outbreaks in Animal Populations is an optional course in the Livestock Health and Production and the Veterinary Epidemiology and Public Health programmes of the Royal Veterinary College. The module may also be studied as a 240-hour Individual Module. This course is designed to provide



What will you learn from this course?

By the end of this course you should be able to:

describe the epidemiological concept of disease transmission and related factors, and explain the epidemiological aspects of the relationship between host, agent and the environment

explain the role of economic analysis in animal health management

describe monitoring and surveillance approaches

outline measures needed to prevent the introduction of a disease into a country

make recommendations on the most appropriate control methods for different diseases

identify the highest-threat emergency animal diseases for your country, know where those threats are likely to come from and recognize how they will manifest themselves.

Course structure

Tutor-marked assignments

In addition to your work on the 11 units, you are required to complete and submit at least one tutor