

REF. NO.	C-VEPI.1
TITLE:	VETERINARY EPIDEMIOLOGY: METHODS IN SURVEILLANCE AND FIELD INVESTIGATION
CATEGORY AND VALUE:	C - 10 CREDITS
NOTIONAL STUDY HOURS:	100

This module can be taken by candidates who are aiming to achieve the Certificate in Advanced Veterinary Practice (Veterinary Public Health). It can be also taken as a free standing module.

LEARNING OUTCOMES

By the end of the module candidates will be able to

1. Describe the major historical events that have led to the development of modern (veterinary) public health.
2. Describe the design, implementation and management of a surveillance programme.
3. Interpret surveillance data.
4. Formulate and describe deliverable public health objectives.
5. Describe and evaluate the importance of antimicrobial (and other drug) resistance in human and animal health and judge the strength of any relationship between them.
6. Recognise and discuss the role of the veterinary profession in public health.
7. Formulate a strategy for investigating a disease outbreak and apply this in a simulated setting.
8. Explain the role of molecular epidemiological techniques in outbreak investigations and surveillance.
9. Summarise important elements of public health policy and European Union legislation relating to veterinary public health.
10. Describe the principles and importance of the standard measures of health economics.
11. Calculate the standard measures of health economics.
12. Recognise and discuss the ethical considerations in applying health economic measures.
13. Communicate risk (both written and oral) information effectively to groups with different educational backgrounds.
14. Design a practical risk management plan, including details of delegation of responsibilities and management of resources.
15. Judge and adjust (as appropriate) the success of a risk management intervention.
16. Respond positively to feedback and constructive criticism from peers and course tutors.

ASSESSMENT STRATEGY

Please refer to the general Guidance and Assessment for all Modules.

MODULE CONTENT

- Practical and historical aspects of veterinary public health - surveillance
- Deliverable public health objectives
- Antimicrobial resistance in public health
- The role of veterinary profession in public health
- Outbreak investigation - The role of (molecular) epidemiology
- Public health policy
- EU legislation

- Health economics
- Risk communication
- Risk management
- Leadership in veterinary public health – resource management