



EuFMD in-depth online course

Foot-and-mouth disease post vaccination monitoring

The European Commission for the Control of Foot-and-Mouth Disease's innovative online training courses combine convenient self-paced study with a unique opportunity to interact with international experts and regional colleagues.

EuFMD in-depth e-learning courses **provide practical, applied training that builds the specialized skills needed to develop and implement FMD control strategies.** This course applies a practical, step-by-step approach to design, monitoring and evaluation of vaccination programmes for the control of FMD.

Who is the course for?

Veterinarians working in countries not free of FMD *and* who are directly involved in the development of strategies for FMD control, particularly related to design and evaluation of vaccination programmes. Suitable participants are likely to be working in central level veterinary services and responsible for disease control, epidemiology or diagnostics.

Participants must be motivated and able to study for **four hours per week over a six week period** and must be proficient to communicate in **English** language (written and oral).

What will participants learn?

After studying this course participants will be able to:

- make rational decisions on vaccine selection and purchase;
- perform and use serological studies to assess vaccine quality and population immunity;
- describe different vaccination strategies and how these integrate into the broader FMD control strategies;
- explain the importance of monitoring vaccination coverage and perform appropriate quantitative studies;
- conduct investigations into reported vaccination failures;
- explain the difference between efficacy and effectiveness and have the ability to perform vaccine effectiveness studies when outbreaks occur in vaccinated populations;
- formulate a broader evaluation of a vaccination programme and use this information to make adjustments to improve the efficiency of control measures relevant to the programme objectives.

What should I include in a vaccine tender specification?

Farmers report that the vaccine isn't working- how can I investigate?

How can we monitor the quality of the vaccines we are using?

How can I improve the effectiveness of our vaccination programme?

What does the course involve?

This course is taught entirely online and will include **4 hours study time per week for 6 weeks**. Each week will include a combination of **live tutorials, background reading, interactive modules, quizzes and assignments**.

Expert tutorial support

Our tutors, Dr. Giancarlo Ferrari, Prof. David Paton and Dr. Nick Lyons are experienced international experts with wide-ranging experience of FMD vaccination implementation and evaluation. The tutors will provide support to the course participants through a weekly live tutorial (webinar), an online discussion forum and individual feedback.

Real-world assignments

Participants will be asked to complete and present practical, applied assignments based on the situation in their home country. Participants will receive individual feedback on their work from expert tutors. Completion of the assignments is required for successful completion of the course.

Nominations for this course should be sent to Eufmd-training@fao.org.