LIVERPOOL JOHN MOORES UNIVERSITY

Animal Infectious Disease prevention and Control

Module Information

2022.01, Approved

Summary Information

Module Code	6505YAUZOO
Formal Module Title	Animal Infectious Disease prevention and Control
Owning School	Biological and Environmental Sciences
Career	Undergraduate
Credits	10
Academic level	FHEQ Level 6
Grading Schema	40

Teaching Responsibility

LJMU Schools involved in Delivery
LJMU Partner Taught

Partner Teaching Institution

Institution Name
Yunnan Agricultural University

Learning Methods

Learning Method Type	Hours
Lecture	24

Module Offering(s)

Display Name	Location	Start Month	Duration Number Duration Unit
SEP-PAR	PAR	September	12 Weeks

Aims and Outcomes

Aims	This course mainly introduces the background, principle, method and application of biological technology used in the process of animal epidemic disease prevention and control, including gene diagnosis technology, high-tech vaccine, antibody engineering, antiviral shear virus ribozyme technology, antisense nucleic acid technology, drug molecular design, protein engineering, animal disease resistance breeding and other technologies, and analyses its existing problems and development.

After completing the module the student should be able to:

Learning Outcomes

Code	Number	Description
MLO1	1	Understand and master the principles, methods, applications, existing problems and prospects of biotechnology used in the process of animal epidemic disease prevention and control.
MLO2	2	Understand practical operation skills in animal disease prevention and control, and gain an understanding of innovations and technology in this subject.

Module Content

Outline Syllabus	The main content of the course is biotechnology applied in the process of animal epidemic disease prevention and control, focusing on nucleic acid probe technology, PCR technology, genetic engineering vaccine and antibody engineering. Not only make students master the above technology and methods, but also make students understand the problems and application prospects of the above methods, so as to cultivate students' innovation awareness and ability.
Module Overview	
Additional Information	This module is for students who want to gain an understanding of the biotechnology technologies involved in animal disease control.

Assessments

Assignment Category	Assessment Name	Weight	Exam/Test Length (hours)	Module Learning Outcome Mapping
Portfolio	Report	70	0	MLO1, MLO2
Test	Test	30	0	MLO1, MLO2

Module Contacts

Module Leader

Contact Name	Applies to all offerings	Offerings
Rachael Symonds	Yes	N/A

Partner Module Team

Contact Name	Applies to all offerings	Offerings