

Liverpool John Moores University

Title: LENTIVIRUSES
Status: Definitive
Code: 7009NMBMOL (101584)
Version Start Date: 01-08-2011

Owning School/Faculty: Pharmacy & Biomolecular Sciences
Teaching School/Faculty: Pharmacy & Biomolecular Sciences

Team	Leader
Laura Ryall	Y

Academic Level: FHEQ7
Credit Value: 12.00
Total Delivered Hours: 7.00
Total Learning Hours: 120
Private Study: 113

Delivery Options

Course typically offered: Standard Year Long

Component	Contact Hours
Tutorial	4.000

Grading Basis: 40 %

Assessment Details

Category	Short Description	Description	Weighting (%)	Exam Duration
Exam	AS1	Theory paper (3 hours) comprising 8 short answer-type and any TWO from FOUR essays. A minimum mark of 40% is required to pass the examination.	30.0	3.00
Essay	AS2	One assignment (full guidance notes provided). A minimum mark of 40% is required to pass the assignment.	70.0	

Aims

To provide students with an understanding of human and animal Lentiviruses including their specific and specialised functions, consequences of infection, epidemiology, possible future manifestations, effects on the food chain and the

problems of effective therapy and vaccine production.

Learning Outcomes

After completing the module the student should be able to:

- 1 summarise the biology and host-virus relationships of human and animal Lentiviruses
- 2 describe and evaluate the routes of transmission, laboratory diagnosis and the national and global consequences of infection
- 3 evaluate the problems of treatment and the difficulties of vaccine development

Learning Outcomes of Assessments

The assessment item list is assessed via the learning outcomes listed:

EXAM	1	2	3
ESSAY	1	2	3

Outline Syllabus

Classification, structure, organisation and replication of the Lentiviruses
The Lentiviruses - Human and animal Immunodeficiency Viruses (HIV, SIV, FIV, BIV and possible risks to the food chain)
Transmission and Risk Groups for HIV (including HIV and Sexual Health)
Pathology and symptoms of HIV and AIDS
Diagnosis and case definitions (HIV in pregnancy, neonates and childhood)
Genetics, mutation and variation of the virus
Monitoring, surveillance and planning for the future
Prospects for a vaccine

Learning Activities

Primary mode by distance learning with tutorial support and assignment feedback

References

Course Material	Book
Author	Thin, RNT
Publishing Year	2000
Title	Genitourinary medicine and sexually transmitted diseases in the 21st century
Subtitle	

Edition	
Publisher	Int. J. of STD & AIDS 2000 11; 1-7
ISBN	

Course Material	Book
Author	Horwitz, MS
Publishing Year	2001
Title	Adenoviruses. In: Fields, BN, Knipe, DM, Howley PM (eds), Fields Virology
Subtitle	
Edition	4th Ed.
Publisher	Philadelphia. Lipincott-Raven
ISBN	0781718325

Notes

Students must achieve an aggregate mark for the examination and coursework of at least 40% with at least a 40% pass in BOTH coursework and examination components.

Only TWO indicative references are provided here. Selected up to date reviews and other scientific papers are required to complete key distance learning stages and assignments which are regularly updated in the module Guidance Notes. Students are expected to complete their own detailed literature search to support the reference material provided. A critical analysis of the scientific literature is always required.