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Refer to guidance notes for completion of each section of the specification.

Module Code:	VEN405
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Module Title:	Nursing the Medical and Infectious Patient
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Level:	4	Credit Value:	20
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Cost Centre(s):	GAAN	JACS3 code:	D310 / 100532
		HECoS code:	

Faculty	Social and Life Sciences	Module Leader:	Dr Jane Furness
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Scheduled learning and teaching hours	36 hrs
Total contact hours	36 hrs
Guided independent study	164 hrs
Module duration (total hours)	200 hrs

Programme(s) in which to be offered (not including exit awards)	Core	Option
Foundation degree (FdSc) Veterinary Nursing	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Pre-requisites
None

Office use only		
Initial approval:	05/11/2019	Version no: 1
With effect from:	28/09/2020	
Date and details of revision:		Version no:

Module Aims

This module enables the student to develop knowledge on a range of diseases and medical conditions that are relevant to veterinary practice. For evidence based nursing strategies to be successful it is important for veterinary nurses to have an understanding of the different pathogens, and how they manifest into disease states. The module will provide an introduction to the immune system, linking to immunisation and vaccination protocols in practice.

A range of medical disorders and associated terminology will extend the student's knowledge already gained from their first year modules. Nursing care strategies using evidence-based and innovative therapies will inform the holistic nursing care delivered to patients for improved patient outcomes.

This module includes a progress check point for work-based learning placement hours and Nursing Progress Log (NPL).

** range of species in addition to cats and dogs holders of veterinary nursing degrees should be competent in providing nursing care to animals that are commonly kept as pets in the UK. This will include rabbits, small mammals and appropriate species of reptiles and birds. In addition to the above animals, a level of basic knowledge and competence in the husbandry and nursing care of horses, endemic UK wildlife and exotic species not commonly seen in the UK (QAA Subject benchmark statement, Veterinary Nursing, 2019).*

Module Learning Outcomes - at the end of this module, students will be able to

1	Explain the aetiology, pathogenesis, pathophysiology and disease progression for infectious diseases.
2	Explain the aetiology, pathogenesis, pathophysiology and progression of medical disorders.
3	Assess nursing-care strategies for infectious and medical diseases
4	Describe the role of the immune system and importance of vaccination in disease control and prevention.

Employability Skills The Wrexham Glyndwr Graduate	I = included in module content A = included in module assessment N/A = not applicable
<i>Guidance: complete the matrix to indicate which of the following are included in the module content and/or assessment in alignment with the matrix provided in the programme specification.</i>	
CORE ATTRIBUTES	
Engaged	I and A
Creative	A

Enterprising	N/A
Ethical	I and A
KEY ATTITUDES	
Commitment	I and A
Curiosity	I and A
Resilient	I
Confidence	I and A
Adaptability	I
PRACTICAL SKILLSETS	
Digital fluency	A
Organisation	I and A
Leadership and team working	I
Critical thinking	I and A
Emotional intelligence	I
Communication	I and A

Derogations

This module is mapped to the RCVS day one competences (DOC) and day one skills (DOS). To gain a pass in this module a minimum mark of 40% must be achieved by the student in each summative assessment element

Assessment:

Indicative Assessment Tasks:

Formative

Padlet board / quizzes. A range of modalities will be used by the tutor to provide feedback to students.

Summative

Assessment 1: Nursing care presentation

Assessment 2: In-class test (unseen, 1.5 hours, MCQs, short answer questions / problem solving questions)

Assessment number	Learning Outcomes to be met	Type of assessment	Weighting (%)
1	3	Presentation	30
2	1, 2 and 4	In-class test	70

Progress check point for student work-based learning placement and Nursing Progress Log

Placement hours	Satisfactory progress, towards 600 completed and documented hours	Achieved	Not Achieved
Nursing Progress Log (NPL)	Satisfactory progress towards 30% completion		

Placement support tutors will inform module leader of progress of student within placement. If a student has not achieved satisfactory progress for either placement hours or NPL, module leader will discuss with programme leader. An action plan will be constructed and agreed with programme leader, placement support tutor and student.

Learning and Teaching Strategies:

A range of learning and teaching strategies will be employed, and all will focus on student centred teaching. Delivery of content will be conducted in the clinical suite to apply theory to practice. Teaching sessions will also be delivered in lecture rooms. The emphasis will be on active learning for each session delivered.

The clinical suite will be used by the students to develop their practical skills which are linked to the RCVS Day One Skills list.

Learning outcomes mapped to RCVS Day One Competences (DOC) and Day One Skills (DOS)

LO1	Recognise suspicious signs of possible notifiable, reportable and zoonotic diseases and take appropriate action, including observing the appropriate health and safety requirements	DOC 21
LO3	Develop appropriate care plans and administer care in the interests of the patients and with regard to the resources available	DOC 16
LO3	Apply principles of bio-security correctly, including sterilisation of equipment and disinfection of clothing	DOC 25
LO1 & 3	Recognise clinical signs of common notifiable and zoonotic diseases and undertake strategies to prevent spread and infection	DOS 8.1
LO3	Formulate and implement an appropriate infection control strategy according to practice protocol	DOS 8.2
LO3	Use an appropriate model of care to deliver the nursing process and create care plans for a range of disorders and diseases	DOS 4.1
LO3	Carry out effective barrier nursing	DOS 8.5
LO3	Ensure appropriate hygiene skills are followed before and after handling animals and equipment	DOS 8.4

Reference Points:

QAA Subject Benchmark Statement for Veterinary Nursing

https://www.qaa.ac.uk/docs/qaa/subject-benchmark-statements/subject-benchmark-statement-veterinary-nursing.pdf?sfvrsn=def3c881_4

RCVS Fitness to Practise Guide

<https://www.rcvs.org.uk/news-and-views/publications/fitness-to-practise-a-guide-for-uk-providers-of-veterinary/?destination=%2Fnews-and-views/publications%2F>

RCVS Day One Skills for Veterinary Nurses

<https://www.rcvs.org.uk/document-library/rcvs-day-one-skills-for-veterinary-nurses/>

RCVS Day One Competences for Veterinary Nurses

<https://www.rcvs.org.uk/document-library/day-one-competences-for-veterinary-nurses/>

RCVS Code of Professional Conduct for Veterinary Nurses

<https://www.rcvs.org.uk/document-library/code-of-professional-conduct-for-veterinary-nurses/>

Syllabus outline:

Learning outcome 1:

Pathogens / bacteria / viruses / prion / protozoa / rickettsia / chlamydia / replication / mode of transmission / vectors / carriers / zoonotic consideration / notifiable and reportable diseases / canine infectious diseases / feline infectious diseases / rabbit infectious disease / equine infectious diseases / aetiology / pathogenesis and pathophysiology / clinical signs / incubation period / diagnosis / pharmacological and non-pharmacological treatment options

Learning outcome 2:

Medical conditions of body systems, to include; respiratory system / cardiovascular system / haemopoietic system and neoplasms / digestive system / endocrine system / nervous system / renal system / reproductive system / veterinary terminology associated with conditions / examination / pharmacological and non-pharmacological treatment options

Learning outcome 3:

Disease control / personal hygiene (WHO) / isolation and quarantine / barrier nursing / individualised nursing care / evidence-based nursing strategies / applying nursing care plans / holistic nursing / multidisciplinary team / specific and symptomatic care / palliative care / complementary, alternative and innovative therapies

Learning outcome 4:

The immune defence system / innate and adaptive immunity / cells of the innate system / molecules of the innate system / inflammation / antigens / lymphocytes and the adaptive system / specificity and memory / antibody structure and classes / epitopes / binding sites / principles of vaccination / immunization types / vaccination protocols and management

Indicative Bibliography:

Essential reading

Cooper, B., Turner, L. and Mullineaux, E. (2020), *BSAVA Textbook of Veterinary Nursing*, 6th ed. Gloucester: British Small Animal Veterinary Association.

Merrill, L. (ed) (2012), *Small Animal Internal Medicine for Veterinary Technicians and Nurses*, Chichester: Wiley Blackwell.

Weese, J.S. and Evason, M. (eds) (2020) *Infectious Diseases of the Dog and Cat* New York: CRC Press.

Other indicative reading

Aspinall, V. (2019), *Clinical Procedures in Veterinary Nursing*, 4th ed. Edinburgh: Elsevier.

Ballantyne, H. (2018), *Veterinary Nursing Care Plans*, Boca Raton: CRC Press.

Mitchell, M. and Tully, T.N. (2016), *Current Therapy in Exotic Pet Practice*, St Louis :Elsevier.

The Veterinary Nurse, Practical international peer-reviewed journal. London: MA Healthcare Ltd.

Veterinary Nursing Journal. Abingdon: Taylor & Francis Ltd.