APPROVED

57082: Emergency and Critical Care Veterinary Nursing

Module Details

Module Code:	57082
Full Title:	Emergency and Critical Care Veterinary Nursing APPROVED
Valid From::	Semester 1 - 2020/21 (September 2020)
Language of Instruction:	English
Duration:	1 Semester
Credits::	10
Module Owner::	Karen Dunne
Departments:	Unknown
Module Description:	This module will cover small animal emergency and critical care for veterinary nurses.

Module Learning Outcome	
On successful completion of this module the learner will be able to:	
#	**Module Learning Outcome Description**
MLO1	Apply the principles of critical care to a range of common clinical presentations.
MLO2	Appraise the critically ill animal.
MLO3	Provide emergency and critical nursing care skills.
MLO4	Provide effective CPCR as part of a veterinary care team.

Pre-requisite learning
Module Recommendations   *This is prior learning (or a practical skill) that is strongly recommended before enrolment in this module. You may enrol in this module if you have not acquired the recommended learning but you will have considerable difficulty in passing (i.e. achieving the learning outcomes of) the module. While the prior learning is expressed as named DkIT module(s) it also allows for learning (in another module or modules) which is equivalent to the learning specified in the named module(s).*
No recommendations listed

Module Indicative Content

Common critical care presentations
Management of the trauma patient. Management of the shocked animal. Management of acute systemic disorders e.g. cardiac, respiratory, neurological and abdominal crises. Paediatric emergencies. Management of poisoning cases. Ophthalmic emergencies. Haematological emergencies. Anaesthesia, analgesia & sedation in emergency patients.

Appraisal of the critically ill animal.
Triage and assessment of the emergency patient. Role of the VN in assisting with investigation of the emergency patient. Monitoring of the critically ill animal.

CPCR: current practice
RECOVER CPR online training. Identification of common cardiac arryhthmias. Post-resuscitation care and monitoring.

Emergency nursing skills: Indicative practical content
Establishment & maintenance of a crash cart and ICU stock control: drugs, consumables, equipment. Assessment & monitoring of acute patients. Drug calculations and delivery e.g. CRI, aerosolisation. Central venous catheterisation; saphenous catheterisation & cutdown technique. Administration & monitoring of hypertonic infusions. Blood component therapy: processing, storage & administration. Emergency decontamination: dermal, ocular & gastric. CPCR & closed-loop communication (following completion of RECOVER online training). Supplemental oxygen delivery; mechanical ventilation; airway maintenance & monitoring of endotracheal & tracheostomy tubes. Acute management of effusions: pericardiocentesis, thoracocentesis, abdominocentesis; management of chest & abdominal drains.

Module Assessment

Assessment Breakdown	%
Practical	50.00%
Final Examination	50.00%

Module Special Regulation

Assessments

Full Time On Campus

No Course Work

No Project

Practical			
Assessment Type	Practical/Skills Evaluation	**% of Total Mark**	20
Marks Out Of	0	**Pass Mark**	0
Timing	n/a	**Learning Outcome**	1,2
Duration in minutes	0		

Assessment Description
A weekly 3 hour practical class will allow students to develop acute nursing skills & apply these to clinical scenarios. Learning will be assessed by a variety of methods such as practical reports or presentations.

Assessment Type	Practical/Skills Evaluation	**% of Total Mark**	20
Marks Out Of	0	**Pass Mark**	0
Timing	n/a	**Learning Outcome**	1,2
Duration in minutes	0		

Assessment Description
Bell ringer practical exam. Students will be assessed on both practical skills and critical analysis of clinical presentations.

Assessment Type	Practical/Skills Evaluation	**% of Total Mark**	10
Marks Out Of	0	**Pass Mark**	0
Timing	n/a	**Learning Outcome**	
Duration in minutes	0		

Assessment Description
Online RECOVER CPR training and certification.

Final Examination			
Assessment Type	Formal Exam	**% of Total Mark**	50
Marks Out Of	0	**Pass Mark**	0
Timing	End-of-Semester	**Learning Outcome**	1,2
Duration in minutes	0		

Assessment Description
End of semester written examination.

Reassessment Requirement

A repeat examination
Reassessment of this module will consist of a repeat examination. It is possible that there will also be a requirement to be reassessed in a coursework element.

Reassessment Description
Practical component is not repeatable

Module Workload

Workload: Full Time On Campus

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	No Description	Every Week	3.00	3
Practical	Contact	No Description	Every Week	3.00	3
Online Learning (non contact)	Non Contact	No Description	Every Week	2.00	2
Directed Reading	Non Contact	No Description	Every Week	5.00	5
Independent Study	Non Contact	No Description	Every Week	5.00	5
				Total Weekly Learner Workload	18.00
				Total Weekly Contact Hours	6.00

Workload: Part Time On Campus

Workload Type	Contact Type	Workload Description	Frequency	Average Weekly Learner Workload	Hours
Lecture	Contact	No Description	Every Week	1.50	1.5
Practical	Contact	No Description	Every Week	3.00	3
Online Learning (non contact)	Non Contact	No Description	Every Week	2.00	2
Directed Reading	Non Contact	No Description	Every Week	6.50	6.5
Independent Study	Non Contact	No Description	Every Week	5.00	5
				Total Weekly Learner Workload	18.00
				Total Weekly Contact Hours	4.50

Module Resources

Recommended Book Resources

Battaglia and Steele. (2016), Small animal emergency and critical care for veterinary technicians, 3rd. Elsevier.

Aldridge and O'Dwyer. (2013), Practical Emergency and Critical Care Veterinary Nursing, Wiley.

King and Boag. (2018), BSAVA Manual of canine and feline emergency and critical care, 3rd. BSAVA.

This module does not have any article/paper resources

Other Resources

**Website, Basic and Advanced Life Support for Veterinary Technicians and Students,
https://www.ecornell.com/certificates/ve terinary-medicine/cpr-basic-and-advanced -life-support-for-veterinary-technicians -and-students/**