

EMS at University of Glasgow**THE UNDERGRADUATE COURSE AT UNIVERSITY OF GLASGOW, SCHOOL OF VETERINARY MEDICINE****Glasgow BVMS Curriculum Summary**

	Year	Course	Assessment
Foundation Phase	1	Integrated case-based modules focused on body systems <ul style="list-style-type: none"> • Baseline Body Systems • Natural Defences • Digestion • Infectious Agents • Reproduction • Urinary System 	<ul style="list-style-type: none"> • OSCE (Objective structured clinical examination) • Continuous assessment tasks • Written examination (Modified essay questions, multiple choice questions, Data handling and practical spot questions)
	2	Integrated case-based modules focused on body systems <ul style="list-style-type: none"> • Locomotion • Nervous system • Respiration • Cardiovascular system • Niche practice • Integrated body systems 	<ul style="list-style-type: none"> • OSCE (Objective structured clinical examination) • Continuous assessment tasks • Written examination (Modified essay questions, multiple choice questions, Data handling and practical spot questions) • Directly observed procedural skills (DOPS) • Professional Portfolio • Cause for Concern system
Clinical Phase	3	Integrated case-based modules focused on clinical presentations <ul style="list-style-type: none"> • Intro Module: Being a Vet is being Professional • Supporting the Patient • Cardio-Respiratory & Haemopoetic • Alimentary • Ruminant Production1: Birth to point of production • Urinary, Endocrinology & Oncology • Farmed species & meat harverst 	<ul style="list-style-type: none"> • OSCE (Objective structured clinical examination) • Continuous assessment tasks • Written assessment (multiple choice questions, short answer questions and clinical decision making & management questions)
	4	Integrated case-based modules focused on clinical presentations <ul style="list-style-type: none"> • Global Veterinary Medicine • Ruminant Production2: In production • Clinical Reproduction and Fertility • Neurolocomotor • Skin & Eye, Niche practice & pets, Zoo and wildlife • Food Hygiene and Safety 	<ul style="list-style-type: none"> • OSCE (Objective structured clinical examination) • Continuous assessment tasks • Written assessment (multiple choice questions, short answer questions and clinical decision

			<p>making & management questions)</p> <ul style="list-style-type: none"> • Directly observed procedural skills (DOPS) assessment • Professional Portfolio • Cause for Concern system
Professional Phase	5	<p>6 x 4 weeks Core rotations:</p> <ul style="list-style-type: none"> • Small animal practice • Equine practice • Production animal practice • Public health & Pathology • Anaesthesia & Diagnostic imaging • Emergency & Critical care <p>2 x 4 weeks Selective rotations:</p> <ul style="list-style-type: none"> • Tier 1 Options (Small animal hospital, Equine, Production animal, Wild animal & livestock health, Pathology) • Tier 2 Options (ECC, Poultry, Pigs, Aquaculture, Dairy, Sheep, Exotics, Laboratory animal, Small animal hospital, Research, Wild animal and Livestock health etc) 	<ul style="list-style-type: none"> • Directly observed procedural skills (DOPS) assessment • Professional Portfolio • Cause for Concern system • Final computer-based assessment in Clinical decision making

In addition our students are taught a number of 'clinical' skills (which includes communication skills) throughout the course. A summary of these skills is outlined in the table below:

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First Year	Second Year	Third Year	Fourth Year
Comm Skills	Comm Skills	Comm Skills	Comm Skills
Suturing	Suturing	Hand Ties and Ligatures	Suturing
Blood smear	NG/ Nasal oxygen Catheters	Nasal Oxygen Catheters	Anaesthetic Machine
IVFT set up	Intubation	Intubation	Breathing Systems
Administration of S/C, IV & IM Inj's	Scrubbing Up	Draping	Bandaging
Blood Sampling and blood tubes	Gowning + Gloving	Using Microscope	Clinical Exam of the Dog
Using Microscope	Clinical Exam of the Dog	Urinalysis inc exam. of urine sediment	Eq Nerve and Joint Blocks
Stable Bandage	Clin Exam sheep	Blood smear	Radiographic Interpretation
Eq Tail Bandage	Clin Exam Horse	Radiographic Interpretation	Neurological Exam - Dog
Drug and Fluid Calculations	Clin Exam Cow	Radiography	ECG acquisition and interpretation
Eq Handling and Restraint	ECG	PCV	Ligatures - OVH and Castration models
Reptile Husbandry	Cardiac/Thoracic Auscultation	IV Catheter Placement	Ruminant clinical exam/workup
Small Mammal Husbandry	Urinary catheterisation	IPPV	Cattle lameness/foot trimming
Cat and Dog H&R	Bitch OVH	Gowning and Gloving & Scrubbing Up	Clinical Exam of the pig
Cattle H&R	Eq Rectal Palpation	FNA	Prescription Writing
Urinalysis	Bovine Rectal Palpation/haptic cow	IV,IM & SC Injections	Drug and Fluid Calculations
Sheep H&R incl turning over	Ruminant Caesarian Closure	Collection of Dermatological Samples	Thoracocentesis
Sheep BCS and Ageing	Abdominal ultrasound/pregnancy ultrasound	Skin Scrapes	Ortho Gait Analysis
Cattle BCS	Equine Dental Care	Equine Rescue	Dental Scale and Polish
Lambing	Equine Conformation & Gait Assessment	Anaesthetic Monitoring	Dental Extractions
Dental Scale and Polish	Equine Hoof Care & Farriery	Packaging lab samples	IVFT Setup
Surgical Prep - Large and Small Animal		IVFT set up + Calculations	Ultrasonography
Urinary catheterisation		Clinical exam of the horse	
Hand and Bootwash		Clin Exam Ruminants	
Surgical Approach and Closure Abd		Thoracocentesis	
Aberdeen Knot		Ligatures - OVH and Castration models	
Intradermal sutures		Drug and Fluid Calculations	
Subcutaneous sutures		Horse passports	
Equine ageing + dentistry		Drug dispensing	
Reptile Husbandry		Blood sampling and Blood Tubes	
		NG/ Nasal oxygen Catheters	

AN OVERVIEW OF MANAGEMENT OF EMS AT GLASGOW

12 Weeks preclinical EMS:

2 weeks: lambing

2 weeks: dairy

2 weeks: equine

6 weeks: other

26 weeks clinical EMS

Preparatory EMS of about 6 weeks to be undertaken when pre-clinical EMS has been completed. It is suggested by RCVS that students should undertake at least three different types of placements to experience a range of veterinary work.

Practical EMS of 20 weeks should then follow on from this preparatory EMS phase, to be undertaken during the later clinical years. RCVS recommends that students select a 'base' practice to which they can return at different points during the later years of their course.

At Glasgow, the students are given flexibility to choose EMS both to fulfil their interests and to gain RCVS Day one competencies across species.

The following forms have to be completed by the students for each placement:

1. EMS Log Cover Sheet: form PC-EMS-6 or C-EMS-6
2. Placement Objectives List: form PC-EMS-2 or C-EMS-2

(We encourage the students and practice to discuss the objectives at the start of each placement)

3. Reflection on Placement: form PC-EMS-5 or C-EMS-5

The following forms are handed in to the Glasgow EMS office:

1. Certificate of attendance: form PC-EMS-3 or C-EMS-3
This form needs to be completed by the practice and is mandatory for the EMS to count.
2. Placement feedback form: form PC-EMS-4 or C-EMS-4

Summary of Insurance

Students in all years of the School are advised to take out membership of the BVA which includes Student Insurance and which offers some cover for personal accident and third-party personal liability when undertaking EMS. Specific details of this cover can be found at:
http://www.bva.co.uk/become_member/Free_student_insurance.aspx

Glasgow students do not have Professional Indemnity insurance since all activities are carried out under the supervision of the host.