

## UQ SVS BVSc (Hons) Program Learning Objectives

### GENERAL ATTRIBUTES

#### G1 Information and research skills

- 1 Use traditional and electronic resources to access information and update knowledge
- 2 Evaluate the validity of information using research and Evidence Based Medicine skills
- 3 Synthesise, interpret and present information, and contribute to the veterinary science knowledge base

#### G2 Planning, decision making, and problem solving

- 1 Recognise areas of veterinary responsibility and respond appropriately
- 2 Recognise the interests and expectations of all stakeholders, including the veterinary profession and community
- 3 Manage various economic, practical and social contexts, and justify actions and advice
- 4 Deal effectively with uncertainty, and adapt decisions and practice based on new information

#### G3 Interpersonal and communication skills

- 1 Communicate effectively by oral, written and electronic means with colleagues, clients and the general public
- 2 Listen to and consider the needs of clients, including seeking informed consent
- 4 Produce case reports and other technical outputs in written, electronic or oral formats
- 5 Work in a team, applying multi-disciplinary approaches and capitalising on diversity

#### G4 Professional conduct

- 1 Enact ethical standards expected and required of registered veterinarians
- 2 Execute responsibilities with respect to patient care, client interactions, and delivery of National Veterinary Services
- 3 Project ethical conduct and professional standards in public forums and media, including online
- 4 Comply with work expectations and legislation governing registered veterinarians, including those relating to:
  - o Animal health and welfare
  - o Public health and environmental protection
  - o Biosecurity and notifiable disease management
  - o Professional conduct and codes of practice
  - o Industrial relations, employment equity, occupational health and safety
  - o Use and dispensing of scheduled medicines
  - o Organisational systems, information management, and quality control (e.g. GMP, GHP, GCP)

#### G5 Self-awareness and continuing professional development

- 1 Self-audit to recognise, record, and respond to limitations in competence, using principles of Clinical Governance
- 2 Identify suitable indications for external referral or collaboration
- 3 Undertake active life-long learning and use this to update skills and adapt to different practice contexts
- 4 Recognise signs of stress in themselves and others, and seek support as indicated

### VETERINARY ATTRIBUTES

#### V1 Handle and restrain animals effectively

- 1 Handle animals using methods which are humane, effective, and based on an understanding of animal behaviour
- 2 Minimise risks to personnel, providing training or instruction as required

#### V2 Evaluate animals and their environment

- 1 Obtain a relevant and accurate history of animals and their environment
- 2 Carry out systematic, thorough physical examination of animals

- 3 Evaluate health and production records of animals, performing appropriate analyses
  - 4 Recognise abnormalities and formulate problem lists, based on an understanding of the biology of healthy animals
- V3 Tend to the immediate needs of animals**
- 1 Rank problems in order of importance and urgency and consider options for emergency treatment
  - 2 Deliver or provide 24 hour access to first aid for all animals where there is a duty of care, including wildlife
- V4 Perform appropriate diagnostic tests and procedures**
- 1 Formulate diagnostic plans, considering optimal modalities balanced with rational process and economic constraints
  - 2 Operate basic diagnostic equipment and perform tests as per standard procedures and/or regulations
  - 3 Interpret the results of diagnostic tests, synthesising this with other clinical information
  - 4 Collect, preserve and transport samples so as to maximise diagnostic value and comply with regulations
- V5 Develop animal treatment and management strategies**
- 1 Recognise the more common diseases associated with the particular practice context
  - 2 Develop management and/or therapeutic plans based on rational, clinical approaches that optimise animal health and welfare outcomes
  - 3 Refine treatment options based on economic, cultural, sociological, legal, and practical factors
  - 4 Develop strategies for dealing with uncommon diagnoses, based on extension of foundational knowledge, clinical reasoning, and use of external resources, including referral
- V6 Perform appropriate therapeutic procedures on animals**
- 1 Apply treatments and control measures based on valid clinical principles and technical competency
  - 2 Apply treatments and control measures with due consideration of professional, ethical, humane, economic and public health factors
  - 3 Select, prescribe, apply, store and dispose of licensed medicines in accordance with practice guidelines and legislative requirements
  - 4 Manage untoward side effects and sequelae, including food safety impacts and reporting of adverse events
  - 5 Recognise when euthanasia is warranted, carry it out humanely and in compliance with ethical and regulatory requirements
- V7 Administer analgesia and anaesthesia as indicated**
- 1 Perform recognised and currently acceptable techniques competently and in line with ethical and legal requirements
  - 2 Manage untoward sequelae, and monitor patients in recovery
  - 3 Assess and manage pain
- V8 Perform common surgical and physical procedures**
- 1 Identify indications for, and perform, appropriate surgical and physical procedures
  - 2 Correctly apply aseptic technique, haemostasis, gentle tissue handling, and other foundational principles
  - 3 Anticipate complications and manage risk and outcomes effectively
- V9 Assess, advise on, and address animal behaviour and welfare problems**
- 1 Recognise normal behaviour of animals and use behavioural knowledge to expedite interactions with patients
  - 2 Evaluate animals' behaviour and welfare status at the individual and population levels
  - 3 Recognise common behavioural and welfare problems, in the context of the animal's physical and husbandry environment
  - 4 Formulate and implement solutions to behavioural and welfare problems, incorporating consideration of societal expectations, ethical standards, and regulatory requirements
- V10 Assess and advise on animal production and performance**
- 1 Understand and apply principles of population medicine
  - 2 Analyse production and herd health data using appropriate methods

- 3 Recognise inadequate levels of animal husbandry, production and performance, in the context of societal standards, economic factors, environmental sustainability, and client objectives
- 4 Evaluate the physical condition and nutritional status of an animal or group of animals, and advise on principles of husbandry and feeding
- 5 Analyse reproductive performance, and address reproductive problems using accepted medical and obstetrical procedures

**V11 Design, implement and maintain preventive health management programs**

- 1 Develop and implement health management programs consistent with optimising animal health and welfare, clients' objectives, and enterprise management
- 2 Incorporate principles of husbandry, hygiene, biosecurity, epidemiology, animal welfare, population medicine, and environmental sustainability, and comply with statutory regulations

**V12 Carry out post-mortem examinations and interpret findings in a clinical context**

- 1 Perform thorough and systematic post-mortem examinations, recognising, describing and recording abnormalities effectively, and differentiating artefacts and circumstantial findings
- 2 Address ethical, legal, resource and competency issues appropriately, incorporating quality control, occupational health and biosecurity, and forensic approaches as indicated
- 3 Interpret the results of post-mortem findings in the context of the clinical presentation

**V13 Apply principles of biosecurity and infection control**

- 1 Understand and use epidemiological, population health and One Health principles in disease control
- 2 Distinguish non-infectious from infectious diseases, and recognise disease causes and risk factors
- 3 Recognise the role of individual veterinarians and statutory authorities in disease control programs, and participate in these across private and public sectors
- 4 Recognise potential notifiable, transboundary, emerging and zoonotic diseases and take appropriate action, including notifying the relevant authorities.
- 5 Apply techniques associated with infection control, such as decontamination, use of protective equipment, etc.

**V14 Decide on the fitness of animals and animal products for human consumption**

- 1 Perform ante-mortem inspection of animals at slaughter
- 2 Recognise and manage animal health and welfare, economic, and public health implications of abnormalities in products and processes at the production and processing levels
- 3 Identify and comply with industry and legislative standards in inspection, certification and notification processes

**V15 Understand and operate within financial and practice management frameworks**

- 1 Be familiar with principles of clinical practice organisation and management, business operations, resource and human relations management, and accounting
- 2 Have sufficient understanding of agro-economics and primary production enterprise management to advise livestock producers on veterinary matters
- 3 Communicate likely costs and associated outcomes of various diagnostic and treatment options with clients, offering accurate estimates
- 4 Provide legible, accurate, current, and reliably stored and accessed records that comply with legislative and professional standards, particularly with respect to certification