

## **IMAS STUDY PROGRAM LEARNING OUTCOMES**

The outcomes of IMAS study program are described by the “Day One Competences”.

The knowledge and skills obtained should ensure that graduates are prepared for their first role in the profession and skilful to practise independently.

The student acquires general abilities:

- respects veterinary ethics, organization, management and legislation.
- analyzes safety risks in the working environment, plans risk reduction measures and assesses the effect of the measures taken.
- applies the principles of evidence-based medicine.
- overcomes unforeseen situations, adapts to changes.
- works in a team; communicates with clients, colleagues, institutions.
- recognize personal /professional limitations; seek professional help.
- critically evaluates professional literature.
- independently analyzes, synthesizes and evaluates problems in the field of study program and critically approaches its solution.
- applies the acquired knowledge and methods in solving problems from practice.
- is familiar with methods and procedures of research and analyzes the obtained results and objectively presents them.

The student acquires subject-specific abilities:

- Apply a logical approach to scientific and clinical reasoning, differentiate between them and is aware of the benefits and limitations of each one.
- Understand the methods and contributions of basic and applicative research to veterinary science.
- Understand the structure, function and behaviour of domestic, wild and laboratory animals and their physiological and social needs.
- Understand the activities related to animal husbandry and production.
- Analyse the aetiology, pathogenesis, clinical signs, diagnostics and treatment of common diseases and common disorders in animals.
- Have a knowledge about worldwide diseases that are a potential risk for national and international biosafety and trade.
- Apply the legislation related to animal care and welfare, animal migration and infectious diseases that should be reported.
- Apply the legislation related to drugs and guidelines on responsible use of medicines including antimicrobial and antiparasitics.
- Apply the principles of disease prevention and promote animal health and welfare.
- Understand issues related to veterinary public health, including epizootiology, zoonoses, and food-borne diseases, food hygiene and technology.
- Apply principles of effective interpersonal interaction, including communication, leadership, management and teamwork.
- Records clinical documentation understandable to colleagues and the public, objectively analyzes the data that can be obtained from clinical documentation and improves activities through comprehensive analysis.
- Apply ethical principles to the veterinary profession, including important ethical theories that help in decision making regarding professional ethics and ethics related to animal welfare.
- applies information and communication technologies in mastering knowledge, work on continual self-improvement, follows and applies professional innovations, and contributes to the improvement of veterinary medicine.

A certified veterinary doctor should:

- handles animals, restrains them safely and instructs others how to help.
- conduct a clinical examination and make a decision.
- develops a treatment plan in the interest of the patient.
- takes care of animals in emergency situations, provides first aid.
- assess the habitus, welfare, animal body condition, advise the client.
- handles samples, selects, interprets tests, understands the limitations of results.
- realizes the signs of diseases that have to be reported, take measures.
- prescribes /dispenses medicines in accordance with the law; report side effects.
- performs aseptic surgery.
- apply sedation/anesthesia.
- perform the indicated euthanasia, respecting the animal and the owner.
- conducts an autopsy, records observations, samples, transports tissues.
- inspects animals in the food chain; recognize causes that affect the quality/safety of food.
- conducts inspection of food and feed and its production technologies.
- implements prevention programs.