

VETERINARY PUBLIC HEALTH

Study Programme: MIMV Curricular Year: 5th Semester: 10th Compulsory Credits: 4.5 ECTS

Lecturer(s): António Barreto (CCP e R), Ana Rita Henriques, Telmo Nunes

1. Contact hours:

Lectures - 20 hours **Theoretical /Practical** - 23hour **Practicals** - 14 hours **Total** – 57 hours

2. Objectives:

Veterinary Public Health (VPH) is the sum of all contributions to the physical, mental and social well-being of humans through an understanding and application of veterinary science (WHO, 2006). This discipline has the following objectives:

- Stimulate, in the future veterinarian an objective sensitivity to the need of protection and promotion of human health and environmental protection;
- Develop in the students a global vision on the evaluation of animal health and welfare, food-chain risks and environmental pollution, which can benefit from the intervention of the veterinarian for its correction / improvement;
- Promote ethical and law-based professional attitudes and a good capacity for communication with economical agents and stakeholders;
- Promote preventive behaviours with respect to professional risks;
- Develop observational and critical abilities with respect to public health problems;
- Stress the importance of the multidisciplinary approach to VPH and promote group work capacities.

3. Programme:

1. Introduction to VPH and 'One Health' official entities involved
2. Human-animal relationship - risks, obligations and legislation
3. Zoonosis of importance in Portugal: epidemiology, surveillance and control
4. Food safety: policies and strategies in the EU and in Portugal
5. The role of veterinarians in environmental protection
6. The contribution of veterinarians in public emergencies
7. The role of veterinarians in biomedicine
8. VPH aspects of importance in Portugal.

4. Bibliography:

- Atlas, R. M. & Maloy, S. (2014). One Health: People, Animals and the Environment. ASM Press, Washington, USA.
- Buncic, S. (2005). Integrated Food Safety and Veterinary Public Health. CABI, Wallingford, U.K.
- *Codex Alimentarius* - vários documentos.
- Hugh-Jones M.E., Hubbert W.T., Hagstad H.V. (2000). Zoonoses – recognition, control and prevention. Wiley-Blackwell, Hoboken, New Jersey, USA.
- Schwabe C.W. (1984). Veterinary Medicine and Human Health. Williams & Wilkins, London, U.K.
- Swabe J. (2014). Animals, Disease and Human Society. Routledge. New York, USA.
- European Union and Portuguese legislation available on Moodle.
- Lecturer's notes on each VPH theme available on Moodle.

5. Assessment:

- Written final exam - 50% of the final mark.
 - Practical activities evaluation - 50% of the final mark.
- The practical activities evaluation consists in:
- Development of a thematic essay on a VPH theme - 87.5% of practical mark.
 - Reports of practical classes - 12.5% of practical mark.