

Course Title	Pathology seminars				
Course Code	VET-407				
Course Type	Required				
Level	Undergraduate				
Year / Semester	Year 4/ Semester 2 (Spring)				
Teacher's Name					
ECTS	3	Lectures / week	3	Practicals and Tutorials / week	2
Course Purpose and Objectives	<p>The main objectives of the course are:</p> <ul style="list-style-type: none"> • At the end of the course the student could examine gross specimens and histological sections from organs, recognize basic histopathological changes, correlate the gross and histological changes seen, and comment on their significance to the live animal; have a clear understanding of pathology outcomes in selected organ systems. • The student can integrate clinical histories, gross pathology and histopathology in interpretation, diagnosis and suggested future case management of animals within a group/future cases. • The student can understand the significance of basic pathological lesions of organs of food animals in the context of food hygiene and meat inspection. 				
Learning Outcomes	<p>The following list provides the learning objectives that will be covered in the lectures, lab practical sessions and tutorials of each week:</p> <p>Week 1</p> <p>LOBs covered during lectures:</p> <p>The anamnesis</p> <ol style="list-style-type: none"> 1. Necropsy request form 2. Necropsy report 3. The gross necropsy description and report 4. List of the more common Greek and Latin prefixes and suffixes 5. Main features to include for each lesion 6. Sample necropsy report 7. General necropsy technique <p>Week 2</p> <p>LOBs covered during lectures:</p> <ol style="list-style-type: none"> 8. External examination subcutis and umbilical area 9. Body cavity opening and evaluation 10. Gastrointestinal tract removal 				

	11. Abdominal visceral removal 12. Tongue, thyroids, esophagus, trachea, lung and heart removal 13. Opening of the heart 14. Joint examination 15. Eye and brain removal 16. Pituitary removal and bone marrow examination 17. Ligaments tendons and joints Week 3 LOBs covered during lectures: 18. Anatomic diagrams for necropsy findings for horse, cow, pig, sheep and goat, dog and cat 19. Common findings of little or no diagnostic importance 20. General and external findings 21. Spleen 22. Liver and gall bladder 23. Endocrine 24. Renal 25. Respiratory 26. Cardiovascular 27. Bone 28. Central nervous system 29. Gastrointestinal Week 4 LOBs covered during lectures: 30. Odors encountered at necropsy 31. Brief comments on neoplasia 32. The time of death 33. Decomposition 34. Fatal diseases or conditions with no lesions 35. Representative stages of postmortem lung inflation 36. The pneumonias Week 5 LOBs covered during lectures: 37. Collection and submission of laboratory samples from animals 38. Preparation of histology samples 39. Preparation of microbiology samples 40. Preparation of toxicology samples 41. Preparation of hematology samples 42. Preparation of cytology samples 43. Preparation of samples for fluid analysis Week 6 LOBs covered during lectures: Preparation of report presentation and poster.		
Prerequisites	None	Required	None

Course Content	<ul style="list-style-type: none"> • Postmortem examination • Postmortem report • Taking histological samples • Reviewing histological samples
Teaching Methodology	Lecture-based teaching, small group tutorials and practical sessions
Bibliography	<ol style="list-style-type: none"> 1. <u>Color Atlas of Veterinary Pathology, 2nd, Dijk</u> 2. <u>Pathologic basis of veterinary disease, 4th, McGavin</u> 3. <u>The necropsy boom</u> 4. <u>Color atlas of vet histology 2nd, Bacha</u> 5. <u>Post mortem examination</u>
Assessment	Report presentation (20%) Final Exam 80%
Language	English