UNIVERSITY of NICOSIA

Year 4

Course Title	**Systems Medicine IV**				
Course Code	**VET-402**				
Course Type	Required				
Level	Undergraduate				
Year / Semester	Year 4/ Semester 1 (Fall)				
Teacher's Name					
ECTS	3	Lectures / week	3	Practicals and tutorials / week	2
Course Purpose and Objectives	**The main objectives of the course are:** • **Dermatology** Aims**:** To enable the student to understand the diagnostic approach to cases of skin disease in small animals. To be able to obtain a useful case history, instigate appropriate diagnostic investigations to understand the underlying pathological principles and agents apposite to these tests, and to arrive at a diagnosis. To be able to offer appropriate advice and treatment. • **Diseases of bones and joints** Aims: Teaching the student various bone and joint disorders, providing information on the history, pathogenesis, diagnosis (physical and radiographic) therapy and prognosis				
Learning Outcomes	The following list provides the learning objectives that will be covered in the lectures, lab practical sessions and tutorials of each week: Week 1 **LOBs covered during lectures:** **Dermatology** 1. Logical approach to skin disaese 2. Lesion Description/Terminology 3. Diagnostic Culture and Identification (Bacterial and Fungal) 4. Obtaining a Diagnostic Biopsy 5. Practical Cytology 6. Zoonosis 7. Parasitic and fungal dermatitis 8. Allergic and hypersensitivity dermatitis 9. Atopic dermatitis 10. Contact dermatitis 11. Eosinophilic granuloma complex 12. Food adverse reactions Week 2 **LOBs covered during lectures:** 13. Endocrine dermatoses				

14. Canine hyperadrenocorticism
15. Feline hyperadrenocorticism
16. Hypothyroidism
17. Noninflammatory alopecia
18. Immunologic and autoimmune disorders
19. Discoid and systemic lupus erythematosus
20. Drug eruption erythema multiforme and toxic epidermal necrolysis
21. Granulomatous sebaceous adenitis
22. Panniculitis
23. Pemphigus
24. Vasculitis

Week 3

LOBs covered during lectures:

25. Infectious dermatoses
26. Bacterial folliculitis
27. Dermatophytosis
28. Leishmaniasis
29. Malassezia dermatitis
30. Nocardiosis
31. Viral dermatoses
32. Parasitic disorders
33. Demodicosis
34. Sarcoptid mites (Sarcoptes, cheyletiella, notoedres,otodectes)

Week 4

LOBs covered during lectures:

35. Acne (canine and feline)
36. Anal sac disorders/perianal fistulas
37. Behavioral or self-injuries dermatoses
38. Otitis externa, media and interna
39. Neoplasias, cutaneous/paraneoplastic dermatoses
40. Canine paraneoplastic syndrome
41. Feline paraneoplastic syndrome
42. Histiocytosis
43. Mast cell tumors

Week 5

LOBs covered during lectures:

Diseases of Bones and joints

44. Classification of joint disease
45. Degenerative joint disease
46. Septic (bacterial) arthritis
47. Mycoplasma polyarthritis
48. Rickettsial polyarthritis
49. Lyme disease
50. Leishmaniasis
51. Fungal arthritis
52. Viral arthritis

	53. Reactive polyarthritis 54. Idiopathic immune mediated non erosive polyarthritis 55. Systemic lupus erythematosus induced polyarthritis 56. Breed specific polyarthritis syndrome 57. Lymphoplasmacytic synovitis 58. Canine rheumatoid-like polyarthritis 59. Feline progressive polyarthritis Week 6 **LOBs covered during lectures:** 60. Metabolic bone disease 61. Osteomyelitis 62. Panosteitis 63. Osteochondritis dissecans 64. Elbow dysplasia 65. Hip dysplasia 66. Hypertrophic osteodystrophy 67. Avascular necrosis of the femoral head 68. Multiple cartilaginous exostosis 69. Femoral neck metaphyseal osteopathy 70. Bone neoplasia		
Prerequisites	Systems Medicine I, II, & III	Required	None
Course Content	**Dermatology** At the end of teaching in this program the student should be familiar with the structure and function of normal skin and of the basic patters of pathological change that occur in skin disease. Understand the skin and hair cycle and the influence of the endocrine system on this and its significance in the diagnosis and therapy of skin disorders. Understand the role of parasites and microbiological agents in the production of skin disease, understand how the immune response to different agents may lead to skin disease, be able to choose and interpret appropriate laboratory tests for the diagnosis of skin disease, be able to offer appropriate advice and therapy for skin conditions, be familiar with the common causes of neoplasia affecting the skin and soft tissues, their diagnosis and treatment. **Diseases of Bones and joints** • Noninflammatory joint disease • Degenerative joint disease • Traumatic joint disease • Neoplastic joint disease • Inflammatory joint disease • Infectious joint disease • Immunological joint disease • Hereditary skeletal diseases		
Teaching Methodology	Lecture-based learning , small group study and practical sessions for each thematic area of the course.		
Bibliography	1. Small Animal Dermatology,2nd, Rhodes 2. Diagnostic Techniques in Veterinary Dermatology, Neumber		

	3. Small Animal Orthopaedics and Fracture repair,4th, Piermattei
Assessment	Final written exam 100%
Language	English