

Course Title	Clinical communication and Surgical skills development I				
Course Code	VET-306				
Course Type	Required				
Level	Undergraduate				
Year / Semester	Year 3/ Semester 2 (Spring)				
Teacher's Name	Course Lead: Contributor:				
ECTS	6	Small group teaching / Week	12	Laboratories / week	3
Course Purpose and Objectives	The main objectives of the course are: <ul style="list-style-type: none"> • Identify common surgical instruments, understand how and when they are used, and be able to hold and use these instruments correctly. • Identify and perform the common surgical knots and be able to choose an appropriate knot to use based on the indications for each knot. • Perform the commonly used suture patterns and understand when their use is appropriate. • Learn the basics of wound dressings and bandages • Introduction to basic surgical procedures • Introduction to basic surgeries • Continue to practice veterinary communication skills • Understand the importance of effective communication with clients regarding financial matters. • Demonstrate discussing financial implications and giving estimates • Identify and practice how to achieve informed consent • Understand and discuss the importance of making comprehensive clinical records 				

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 practicals:****Surgical skills**

1. Scalpels
2. Scissors
3. Tissue forceps
4. Needle holders
5. Thumb forceps
6. Hemostatic forceps
7. Retractors
8. Towel clamps
9. Cleaning and maintaining instruments

Week 2**LOBs covered during practicals:**

10. The basics of surgical knots
11. Square knot
12. Granny knot
13. Knot security
14. How to tie knots
15. Tips for tying good knots
16. Skills to master
17. Suture patterns
18. Interrupted suture patterns
19. Continuous patterns
20. Chinese finger knot (roman sandal tie)
21. Burying the knot
22. Surgical staples

Week 3**LOBs covered during practicals:**

23. Needles- selection of the needle type
24. Suture basics
25. Classification of sutures
26. Suture size
27. Suture materials and selection
28. Surgical drains
29. Suture removal

Week 4**LOBs covered during practicals:**

30. Hand scrubbing
31. Hand drying
32. Gowning

33. Gloving
34. Preparation of the surgical site
35. Draping the patient

Week 5

LOBs covered during practicals:

36. Injection routes
37. Placement of intravenous cannulae
38. Surgical site preparation
39. Care of indwelling catheters
40. IV fluids- Which fluids? what rate?
41. Surgical team preparation
42. Achieving a sterile field
43. Maintaining sterility

Week 6

LOBs covered during practicals:

44. Skin wound closure
45. Skin and percutaneous biopsy techniques
46. Skin surface tumors and subcutaneous growths
47. Margin of excision
48. Removal of skin surface tumors
49. Removal of subcutaneous masses

Week 7

LOBs covered during practicals:

50. Castration
51. Exploratory laparotomy
52. Ovariohysterectomy
53. Incision closure

Week 8

LOBs covered during practicals:

54. Surgical management of abscesses in rabbits
55. Nasolacrimal duct flushing
56. Aural hematoma
57. Removal of foreign bodies (grass awns) from ears
58. Tail amputation for trauma or disease
59. Jugular and intraosseous catheter placement

Week 9

LOBs covered during lectures and practicals:

60. Types of wound dressing and their indications
61. Secondary and tertiary layers of the bandage
62. Roles of bandages
63. Application techniques and management of bandages
64. Paws
65. Limbs
66. Pressure bandage
67. Ears

	68. Eyes 69. Tail 70. Chest 71. Abdomen 72. Robert Jones bandage 73. Ehmer sling 74. Velpeau sling Week 10 LOBs covered during lectures and practicals: 75. Wound classification 76. Review of wound healing 77. First aid for simple and complex wounds 78. Primary closure following debridement 79. Delayed primary closure 80. Secondary closure 81. Second intention healing Weeks 11 and 12 LOBs covered during practicals: Communication skills 82. Identify and practice how to discuss alternative treatment options with clients. 83. Explore and practice methods of raising financial implications and estimates of treatment costs with clients, and explaining payment requirements and possible insurance factors. 84. Understand and practice the importance of discussing risks and benefits 85. Practice seeking informed consent 86. Understand and discuss the importance of making clear, comprehensive and accurate clinical records		
Prerequisites	Clinical communication and skills development	Required	None
Course Content	<ul style="list-style-type: none"> • surgical instruments • surgical knots. • suture patterns • wound dressings and bandages • basic surgical procedures • basic surgeries • Core communication skills • Communicating financial aspects • Gaining informed consent 		
Teaching Methodology	Small group teaching		

Bibliography	<ol style="list-style-type: none">1. Manual of Small animal soft tissue surgery, Tobias2. Current Techniques in Small animal surgery, 5 th, Bojrab3. Handbook of veterinary communication skills, Gray & Moffett4. Skills for Communicating in Veterinary Medicine Adams and Kurtz5. Techniques in large animal surgery, 4th, Turner6. Minor Veterinary Surgery A Handbook for Veterinary Nurses
Assessment	Attendance and Professional Behaviour (10%) Objective Structured Clinical Examination (OSCE) (90%).
Language	English