



Experiential Learning Portfolio for 10-091-106 Surgical Procedures 2 for Vet Sciences

Student Contact Information:

Name: _____ Student ID#: _____

Email: _____ Phone: _____

*It is **required** that you speak with the Academic Dean or instructor who teaches this course prior to completing a portfolio.*

Before attempting to complete this portfolio, the following prerequisites and/or corequisites must be met:

PREREQUISITE: 10-091-108 Veterinary Pharmacology

COREQUISITE: 10-091-113 Anesthesia and Dentistry Veterinary Sciences

Directions

Consider your prior work, military, volunteer, education, training and/or other life experiences as they relate to each competency and its learning objectives. Courses with competencies that include speeches, oral presentations, or skill demonstrations may require scheduling face-to-face sessions. You can complete all of your work within this document using the same font, following the template format.

1. Complete the Student Contact Information at the top of this page.
2. Write an Introduction to the portfolio. Briefly introduce yourself to the reviewer summarizing your experiences related to this course and your future goals.
3. Complete each "Describe your learning and experience with this competency" section in the space below each competency and its criteria and learning objectives. Focus on the following:
 - What did you learn?
 - How did you learn through your experience?
 - How has that learning impacted your work and/or life?
4. Compile all required and any suggested artifacts (documents and other products that demonstrate learning).
 - Label artifacts as noted in the competency
 - Scan paper artifacts
 - Provide links to video artifacts
 - Attach all artifacts to the end of the portfolio
5. Write a conclusion for your portfolio. Briefly summarize how you have met the competencies.
6. Proofread. Overall appearance, organization, spelling, and grammar will be considered in the review of the portfolio.
7. Complete the Learning Source Table. Provide additional information on the business and industry, military, and/or volunteer experiences, training, and/or education or other prior learning you mentioned in your narrative for each competency on the Learning Source Table at the end of the portfolio. Complete this table as completely and accurately as possible.

The portfolio review process will begin when your completed portfolio and Credit for Prior Learning Form are submitted and nonrefundable processing fees are paid to your local Credit for Prior Learning contact. Contact Student Services for additional information.

Your portfolio will usually be evaluated within two weeks during the academic year; summer months may be an exception. You will receive an e-mail notification regarding the outcome of the portfolio review from the Credit for Prior Learning contact. NOTE: Submission of a portfolio does not guarantee that credit will be awarded.

You have 6 weeks to appeal any academic decision. See your student handbook for the complete process to appeal.

To receive credit for this course, you must receive “Met” on 8 of the 9 competencies.

10-091-106 Surgical Procedures 2 for Vet Sciences, 3 Associate Degree Credits

Course Description: In this course, students explore the veterinary technician’s role in surgery to develop skills needed to manage veterinary patients in the pre-, intra-, and post-operative phases. Upon completion of this course, students will be able to anticipate needs of the surgeon, provide veterinary surgical assistance, manage wounds and incisions, and create client discharge instructions. PREREQUISITE: 10091108 Veterinary Pharmacology and COREQUISITE: 10091113 Anesthesia and Dentistry for Veterinary Sciences

PREREQUISITE: 10-091-108 Veterinary Pharmacology

COREQUISITE: 10-091-113 Anesthesia and Dentistry Veterinary Sciences

If you receive credit for prior learning for this portfolio, you will also receive a “Met” score for the following Technical Skills Attainment Program Outcomes that are assessed in this specific course:

Introduction: Briefly introduce yourself to the reviewer summarizing your experiences related to this course and your future goals.

Competency 1: Evaluate patient status as it relates to surgical procedure preparation.

Criteria: Performance will be satisfactory when:

- Learner performs a pre-surgical examination on an animal patient.
- Learner identifies abnormalities on a pre-surgical examination of an animal patient.
- Learner reviews patient medical record for completion of ordered laboratory testing.
- Learner identifies abnormalities on pre-surgical laboratory tests.
- Learner correlates patient pre-surgical assessment abnormalities with potential surgical complications.
- Learner reports patient pre-surgical evaluation data to the attending veterinarian.
- Learner prepares patient surgical site using proper aseptic technique.
- Learner positions patient properly for a given surgical procedure.

Learning Objectives:

- a. Discuss normal vs. abnormal physical examination findings.
- b. Discuss the relationship between abnormal physical examination findings and potential surgical complications.
- c. Discuss common pre-surgical laboratory tests in veterinary patients.
- d. Discuss the relationship between laboratory data abnormalities and potential surgical complications.
- e. Discuss informed consent and other forms necessary for surgical procedures.
- f. Perform pre-surgical physical examinations.
- g. Describe the process of reporting patient pre-surgical evaluations to the attending veterinarian.
- h. Describe proper patient surgical site preparation for common veterinary surgical procedures.
- i. Describe proper patient positioning for common veterinary surgical procedures.

Required Artifacts: Approval by CVT or DVM at place of employment of completed competency. At least 80 hours of work in a veterinary clinical setting assisting with surgical procedures.

Suggested Artifacts: None

Describe your learning and experience with this competency:

Met/ Not Met Evaluator Feedback:

Competency 2: Anticipate the needs of the surgeon as they relate to surgical supplies, equipment, and assistance.

Criteria: Performance will be satisfactory when:

- Learner explains the essence of common veterinary surgical procedures.
- Learner selects equipment and supplies for a given surgical procedure.
- Learner explains potential surgical complications for a given procedure.
- Learner functions as assistant to the surgeon in a given surgical procedure according to professional best practices.
- Learner identifies proper technician interventions for a given surgical complication according to professional best practices.
- Learner participates in an ovariohysterectomy in a canine patient.
- Learner participates in an ovariohysterectomy in a feline patient.
- Learner participates in an orchiectomy in a canine patient.
- Learner participates in an orchiectomy in a feline patient.

Learning Objectives:

- a. Discuss common surgical procedures in animal patients.
- b. Describe surgical equipment and supplies typically used in common veterinary surgical procedures.
- c. Discuss the role of the veterinary technician as surgical assistant in common veterinary surgical procedures.
- d. Explore potential complications in common veterinary surgical procedures.
- e. Describe veterinary technician interventions for surgical complications in common veterinary surgical procedures.

Required Artifacts: Approval by CVT or DVM at place of employment of completed competency. At least 80 hours of work in a veterinary clinical setting assisting with surgical procedures.

Suggested Artifacts: None

Describe your learning and experience with this competency:

Met/ Not Met Evaluator Feedback:

Competency 3: Pass surgical supplies and instruments.

Criteria: Performance will be satisfactory when:

- Learner selects correct surgical instruments or supplies in an instructor-provided scenario.
- Learner passes surgical instruments and supplies to the surgeon according to professional best practices.

Learning Objectives:

- a. Discuss aseptic technique for passing surgical instruments and supplies to the surgeon.
- b. Describe manner of passing surgical instruments and supplies to the surgeon.
- c. List surgical instruments and supplies used in common veterinary surgical procedures.
- d. Pass surgical instruments and supplies to the surgeon.

Required Artifacts: Approval by CVT or DVM at place of employment of completed competency. At least 80 hours of work in a veterinary clinical setting assisting with surgical procedures.

Suggested Artifacts: None

Describe your learning and experience with this competency:

Met/ Not Met Evaluator Feedback:

Competency 4: Manage care of exposed tissues during surgical procedures.

Criteria: Performance will be satisfactory when:

- Learner explains the rationale for care of exposed tissues.
- Learner cares for exposed tissues in a given surgical procedure according to professional best practices.

Learning Objectives:

- a. Discuss basic principles of care of exposed tissues.
- b. Describe potential consequences of failure to care for exposed tissues.
- c. List circumstances when patient tissues may be exposed.

Required Artifacts: Approval by CVT or DVM at place of employment of completed competency. At least 80 hours of work in a veterinary clinical setting assisting with surgical procedures.

Suggested Artifacts: None

Describe your learning and experience with this competency:

Met/ Not Met Evaluator Feedback:

Competency 5: Operate surgical equipment.

Criteria: Performance will be satisfactory when:

- Learner explains indications for using suction in veterinary surgical procedures.
- Learner uses suction machines according to manufacturer's protocol.
- Learner maintains suction machines according to manufacturer's protocol.
- Learner explains indications for using cautery in veterinary surgical procedures.
- Learner uses cautery according to manufacturer's protocol.
- Learner maintains cautery units according to manufacturer's protocol.
- Learner explains indications for using fiber optic surgical instruments in veterinary surgical procedures.
- Learner explains use and maintenance principles for fiber optic surgical instruments.

Learning Objectives:

- a. Discuss the use and maintenance of suction machines in veterinary surgical procedures.
- b. List indications for using suction in veterinary surgical procedures.
- c. Use suction machines.
- d. Discuss the use and maintenance of cautery instruments in veterinary surgical procedures.
- e. List indications for using cautery in veterinary surgical procedures.
- f. Use cautery instruments.
- g. Discuss the use and maintenance of fiber optic surgical instruments.
- h. List indications for using fiber optic surgical instruments in veterinary surgical procedures.

Required Artifacts: Approval by CVT or DVM at place of employment of completed competency. At least 80 hours of work in a veterinary clinical setting assisting with surgical procedures.

Suggested Artifacts: None

Describe your learning and experience with this competency:

Met/ Not Met Evaluator Feedback:

Competency 6: Manage post-operative patient care.

Criteria: Performance will be satisfactory when:

- Learner identifies signs of animal pain in an instructor-provided scenario.
- Learner identifies reasonable pain management strategies in an instructor-provided scenario.
- Learner explains the effects of pain on patient recovery.
- Learner explains the effects of nutrition on patient recovery.
- Learner formulates a reasonable nutrition plan in an instructor-provided scenario.
- Learner explains potential complications for recovery in non-ambulatory patients.
- Learner identifies nursing techniques to employ on a non-ambulatory patient in an instructor-provided scenario.
- Learner explains principles of incision care according to professional best practices.
- Learner formulates discharge instructions in an instructor-provided scenario.
- Learner educates clients on post-surgical homecare instructions in an instructor-provided scenario.

Learning Objectives:

- a. Discuss indications of pain in common domestic animals.
- b. Explore pain management strategies for common domestic animals.
- c. Discuss the effects of pain on patient recovery.
- d. Discuss the effects of nutrition on patient recovery.
- e. Discuss potential complications with recovery in non-ambulatory patients.
- f. Explore nursing techniques for use with non-ambulatory patients.
- g. Discuss principles of surgical incision care.
- h. List potential post-operative complications with surgical incisions.
- i. Discuss information to include in patient discharge instructions.
- j. Describe client education for post-surgical patients.

Required Artifacts: Approval by CVT or DVM at place of employment of completed competency. At least 80 hours of work in a veterinary clinical setting assisting with surgical procedures.

Suggested Artifacts: None

Describe your learning and experience with this competency:

Met/ Not Met Evaluator Feedback:

Competency 7: Perform basic suturing techniques.

Criteria: Performance will be satisfactory when:

- Learner selects appropriate suture material in an instructor-provided scenario.
- Learner selects appropriate suture needle in an instructor-provided scenario.
- Learner selects appropriate surgical instruments for use in suturing in an instructor-provided scenario.
- Learner places sutures in common patterns according to professional best practices.
- Learner ties suture knots according to professional best practices.
- Learner removes sutures according to professional best practices.
- Learner explains the placement and removal of staples for incision and/or wound closure.

Learning Objectives:

- a. Discuss properties of various types of suture material.
- b. Discuss properties of various types of suture needles.
- c. Discuss surgical instruments used in suturing.
- d. Explore common suture patterns.
- e. Describe suture knot tying techniques.
- f. Perform basic incision and/or wound closure through suturing.
- g. Discuss suture removal techniques.
- h. Remove sutures.
- i. Discuss staples as incision and/or wound closure technique.
- j. Discuss staple removal techniques.
- k. List indications for closing an incision and/or wound through sutures and/or staples.

Required Artifacts: Approval by CVT or DVM at place of employment of completed competency. At least 80 hours of work in a veterinary clinical setting assisting with surgical procedures.

Suggested Artifacts: None

Describe your learning and experience with this competency:

Met/ Not Met Evaluator Feedback:

Competency 8: Manage wound care.

Criteria: Performance will be satisfactory when:

- Learner explains the process of wound healing.
- Learner identifies wound dressings in an instructor-provided scenario.
- Learner explains the use of topical products for enhancing wound healing.
- Learner bandages a wound in an instructor-provided scenario.
- Learner formulates a plan for patient wound care in an instructor-provided scenario.
- Learner explains the use of vacuum-assisted wound closure.

Learning Objectives:

- a. Discuss principles of wound healing.
- b. Describe wound dressings commonly used in veterinary medicine.
- c. Describe topical products commonly used to enhance wound healing in veterinary medicine.
- d. Discuss vacuum-assisted closure.
- e. Discuss bandaging techniques.
- f. Discuss the use of deterrents to patient self-mutilation.
- g. Discuss the role of pain in wound healing.
- h. Discuss the role of nutrition in wound healing.

Required Artifacts: Approval by CVT or DVM at place of employment of completed competency. At least 80 hours of work in a veterinary clinical setting assisting with surgical procedures.

Suggested Artifacts: None

Describe your learning and experience with this competency:

Met/ Not Met Evaluator Feedback:

Competency 9: Write objective patient data in surgical record.

Criteria: Performance will be satisfactory when:

- Learner enters patient and procedure data into surgical and/or medical record.
- Learner examines surgical procedure entries in medical records for instructor-specified content.

Learning Objectives:

- a. Discuss information contained in typical surgery and/or medical records.
- b. Describe methods of charting patient dental information.
- c. Enter patient data into surgical and/or patient medical records.

Required Artifacts: Approval by CVT or DVM at place of employment of completed competency. At least 80 hours of work in a veterinary clinical setting assisting with surgical procedures.

Suggested Artifacts: None

Describe your learning and experience with this competency:

Met/ Not Met Evaluator Feedback:

