



Veterinary Technology & Veterinary Science
Technology
School of Science, Health & CJ & 2015
Assessment Report



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What was assessed? Student learning outcomes list:

- SLO 1-Medical Records
 - **Maintain appropriate medical records for a veterinary facility utilizing traditional and electronic media and veterinary medical terminology**
- *SLO 2 Laboratory Analysis
 - **Properly perform diagnostic laboratory analysis and handle, store and package diagnostic specimens**
- *SLO 3 Patient Assessment
 - **Demonstrate and perform patient assessment, husbandry restraint and therapeutics in a variety of animal species.**
- *SLO 4 Anesthesia & Surgery
 - **Manage Patients in anesthesia and surgery**
- *SLO 5 Produce Radiographs
 - **Safely and effectively produce diagnostic radiographic and non-radiographic images.**



What was assessed? Student learning outcomes list:

- *SLO 6 Calculate Drug Doses
 - **Calculate drug doses and explain the use and effect of prescribed drugs.**
- SLO 7 Critical Thinking
 - **Apply critical thinking to analyze and integrate data from many sources**
- SLO 8 Work Cooperatively
 - **Work cooperatively to achieve optimum and compassionate patient care**
- *SLO 9 Communication
 - **Effectively and professionally communicate with veterinary personnel and clients in a clinical setting.**
- SLO 10 Gain Licensure
 - **Successfully complete the veterinary technology national exam and gain licensure as a veterinary technician.**



Where were outcomes assessed?

- SLO 2- Laboratory Analysis
 - VSCT 202 – SLO 1, 3, 4 & 5
- SLO 3 Patient Assessment
 - VSCT 203 – SLO 1, 2, 4, 5 & 6
 - VSCT 204 – SLO 2, 3, 4 & 5
- SLO 4 Anesthesia & Surgery
 - VSCT 206- SLO 2, 3, 4, 5, 6, 7, 8, 9, 10, 11 & 12
- SLO 5 Produce Radiographs
 - VSCT 205 – SLO 1, 2, 3, 4 & 5
- SLO 6 Calculate Drug Doses
 - VSCT 203 – SLO 3
 - VSCT 206 – SLO 1
- SLO 7 Communication
 - VSCT 204 – SLO 5



How was the assessment accomplished?

- Student work assessed:
 - Laboratory exercises & practicums
 - Midterm & Final Exams
 - Quizzes on specific material
- Measurement strategy:
 - Direct observation of skills by faculty
 - % of questions answered correctly on exams & quizzes scores, rubric, etc.
- Sample size:
 - All students enrolled in respective class were assessed



SLO 2 – Laboratory Analysis

VSCT 202	SLO 1: Perform a complete blood count on feline, bovine & equine blood	Section A	100% of students performed lab exercises	Met
		Section B	76% of students scored 70% or higher on quiz (goal 80%)	Not Met
	SLO 3: Identify cellular abnormalities associated with disease	Section A	98% of students answered 3 of 5 questions correctly	Met
	SLO 4: Analyze urine sample and identify abnormalities	Section A	89% of students answered target questions correctly	Met
		Section B	72% of students scored 70% or higher on quiz. (goal 80%)	Not Met
		Section C	100% of students performed lab exercises	Met
	SLO 5: Recognize & discuss the life cycle & control of primary internal & external parasites.	Section A	91% of students got target questions correct	Met
		Section B	100% of students performed lab exercises	Met
		Section C	93 % of student scored 70% or higher on this quiz	Met



SLO 3 – Patient assessment

VSCT 203	SLO 1: Describe the clinical signs, treatments & prevention of common zoonosis	Section A	89% of students scored 70% or higher on quiz	Met
	SLO 2: List common canine & feline diseases & their signs and controls	Section A	72% of students scored 70% or higher on quiz	Met
	SLO 4: Participate in a dental procedure & recognize common dental diseases and instruments.	Section A	89% of students scored 70% or higher on quiz	Met
	SLO 5: List common skin diseases & treatments	Section A	91% of students got 3 of 4 target questions correct. However only 68% got one question correct.	Met
	SLO 6: Successfully place an IV catheter	Section A	100% of students performed lab exercise	Met
VSCT 204	SLO 2: Perform a PE and apply therapeutic tech. for common equine medical issues	Section A	100% of students performed lab exercises	Met
		Section B	98% of students answered target questions correctly	Met
	SLO 3: Perform complete PE and apply therapeutic tech for common ruminant issues	Section A	75% of students answered target questions correctly (goal 80%)	Not Met
		Section B	100% of students performed lab exercises	Met
	SLO 4: Restrain horses, cattle , sheep, goats & poultry	Section A	100% of students performed lab exercises	Met
	SLO 5: Explain the function of a vet tech during bovine & equine surgeries.	Section A	71% of students answered target questions correctly (goal 80%)	Not Met

SLO 4 – Anesthesia & Surgery

VSCT 206	SLO 2: Discuss various preanesthetic drugs and the pros & cons of each	Section A	88% of students answered 3 of the 4 target questions correctly	Met
	SLO 3: List commonly used anesthetic drugs and discuss their characteristics	Section A	77% of students answered 3 of the 4 target questions correctly (goal 80%)	Not Met
	SLO 4: Describe the stages & planes of anesthesia	Section A	80% of students answered target questions correctly	Met
	SLO 5: Trace a molecule of gas through an anesthetic machine	Section A	100% of students achieved a score of 80% or higher on the anesthetic machine practicum	Met
	SLO 6: Discuss alternative induction modalities such as mask & chamber induction	Section A	85% of students answered the target questions correctly	Met
	SLO 7: Discuss anesthetic hazards & emergency protocols	Section A	88% of students answered the target questions correctly.	Met
	SLO 8: Discuss and perform proper endotracheal intubation	Section A	100% of students answered the target questions correctly	Met



SLO 4 – Anesthesia & Surgery

SLO 9: Describe how to perform CPR	Section A	92% of students answered the target questions correctly	Met
	Section B	100% of students performed CPR on an animal model	Met
SLO 10: Operate & discuss the use of monitoring devices such as pulse oximeter & EKG	Section A	82% of students answered target questions correctly	Met
	Section B	100% of students practiced the operation of these devices	Met
SLO 11: Recognize signs of pain and common drugs used in pain management	Section A	82% of students answered the target questions correctly	Met
SLO 12: Discuss drugs used or avoided with exotic species	Section A	90% of students answered target questions correctly	Met



SLO 5 – Produce Radiographs

VSCT 205	SLO 1: Define common terms associated with radiology	Section A	At least 70% of students answered target questions correctly	Met
	SLO 2: List hazards associated with the use of radiographic equipment	Section A	At least 70% of students answered target questions correctly	Met
	SLO 3: List the steps necessary to process a radiograph	Section A	85% of students received a 70 or higher on the quiz	Met
	SLO 4: Use appropriate terminology for alternative imaging technologies	Section A	85% of students received a 70 or higher on the quiz	Met
	SLO 5: Critique finished radiographs & make suggestions for improvements	Section A	All student lab groups received a 70% or above on all radiograph assignments	Met



SLO 6 – Calculate Drug Doses

VSCT 203:	SLO 3: Calculate fluid therapy amounts and flow rates	Section A	95% of students answered target questions correctly	Met
VSCT 206:	SLO 1: Accurately calculate drug dosages for animals when given the appropriate information	Section A	96% (59/61) of students scored 70% or higher on first drug math quiz. The 2 who didn't took a second version make up quiz and both scored 100% on it.	Met



SLO 7 - Communication

VSCT 204	SLO 6: Research a topic in large animal practice and write a client advisory newsletter on it.	Section A	100% of students submitted a research paper and all scored 80% or higher.	Met



Assessment results: What have the data told us?

- For the most part, of the SLO's assessed, targets have been met or exceeded.
- For targets not met, in all cases the assessment measure was the results of questions on multiple choice exams. On review of these questions, they should be re-written for clarity.



Data-driven decisions: How the department has or plans to “close the loop” based on these results.

- Instructors of courses in which assessment targets were not met will review both the course material and the exam questions associated with that material. More emphasis may be placed on important information and review sessions may be offered. Exam questions may be re-written to reduce ambiguity.



What resources were used or have been requested to close the loop?

- No financial resources are requested.

