

Program/Department: Veterinary Science
Veterinary Technology – BS
Veterinary Science Technology - AAS
2019 Calendar Year Assessment Report



Mary O'H. Loomis
January 17, 2019

What was assessed?

- ISLO #5: Industry, Professional, Discipline-Specific Knowledge and Skills
- PSLO's Assessed:
 - PSLO 2: Medical Records (AVMA 3)
 - PSLO 4: Laboratory Analysis (AVMA 6)
 - PSLO 5: Patient Assessment (AVMA 8)
 - PSLO 6: Anesthesia & Surgery (AVMA 4)
 - PSLO 7: Produce Radiographs (AVMA 7)



How was the assessment accomplished?

- For ISLO # 5 assessment was accomplished through both tests and quizzes related to didactic knowledge of the skill being assessed as well as rubric scores based on the student's performance in laboratory setting.



PSLO 2- Medical Records

AVMA Skill 3- Maintain appropriate medical records for a veterinary facility utilizing traditional and electronic media and veterinary medical terminology.

- VSCT 205: All students took quiz #4 which addressed medical records pertaining to client imaging. N=58.
 - Target: 70% of students will get 70% or better on quiz #4.
 - Findings: 55/58 students earned a 70% or higher on this assessment.
 - Results: target achieved



PSLO 2 continued

- VSCT 211: All students were evaluated based grades given during their animal care rotation which specifically relates to the students ability to keep accurate medical records. N= 48
 - Target: 70% of students will score 75% or higher on the Animal Care Rotation grade.
 - Findings: 88% of students scored 75% or higher on this grade.
 - Results: target achieved



PSLO 4 – Laboratory Analysis

AVMA Skill 6-Properly perform diagnostic laboratory analysis and handle, store and package diagnostic specimens.

- VSCT 202: All students will complete 3 lab exercises in which they perform a CBC on three different species of animals. 100% accuracy is required, as these skills are essential to success in the field. N= 65
 - Target: 100% of students will perform these tests with 100% accuracy.
 - Findings: All students performed these tests
 - Results: target achieved
- VSCT 202: All student took quiz 1 which addresses questions pertaining to laboratory analysis. N=65
 - Target: 70% of students will achieve a grade of 70% or higher on this quiz
 - Findings: 56% of students achieved a passing grade on this quiz
 - Results: target not met



PSLO 4 – Laboratory Analysis

AVMA Skill 6- Properly perform diagnostic laboratory analysis and handle, store and package diagnostic specimens.

- VSCT 210: This measure was assessed based on questions from the final exam that pertain to this skill. N=48
 - Target: 70% of students will answer 2 of these 3 questions correctly.
 - Finding: 94% of students answered 2 of these 3 questions correctly
 - Results: target achieved
- VSCT 211: This measure is assessed based on scores from two quizzes given in class pertaining to laboratory knowledge. N=48
 - Target: 70% of students will score 70% or higher on the average of these two quizzes.
 - Findings: 65% of students averaged 70% or higher on these quizzes
 - Results: target not met



PSLO 5 – Patient Assessment

AVMA Skill 3 & 8- Demonstrate and perform patient assessment, husbandry, restraint and therapeutics in a variety of animal species.

- VSCT 203: This measure was assessed based on topics covered in quiz 2. N= 62
 - Target: 70% of students will get at least 70% on this quiz.
 - Findings: 88.7% of students earned at least 70% on this quiz
 - Results: target achieved
- VSCT 204: This measure was assessed in a laboratory setting in which all students demonstrated methods of patient assessment and restraint on various animal species. N=58
 - Target: 100% of students will perform the laboratory exercises with 100% accuracy
 - Findings: 100% of students performed these exercises
 - Results: target achieved



PSLO 5 – Patient Assessment

AVMA Skill 3 & 8- Demonstrate and perform patient assessment, husbandry, restraint and therapeutics in a variety of animal species.

- VSCT 212: this measure is evaluated with specie specific questions on unit quizzes. N=65
 - Target: 70% of students will answer 70% of questions correctly
 - Findings: 96.5% of students answered 70% of questions correctly.
 - Results: target achieved
- VSCT 211: this measure is assessed based on laboratory rubric scores related to patient assessment. N=48
 - Target: 70% of students will score 90% or higher on the laboratory rubric
 - Findings: 73% of student scored 90% or higher on this rubric
 - Results: target achieved.



PSLO 6 – Anesthesia & Surgery

AVMA Skill 4- Safely and effectively manage patients in all phases of anesthesia and integrate all aspects of patient management and surgical assistance for common surgical procedures of a variety of animals.

- VSCT 203: This measure was assessed based on topics found in quiz 2. N= 62
 - Target: 70% of students will get at least 70% on this quiz.
 - Findings: 88.7% of students earned at least 70% on this quiz
 - Results: target achieved
- VSCT 206: Quiz 2 in this class contained topics based on this measure. N= 54
 - Target: 70% of students will achieve 70% or higher on this quiz.
 - Findings: 55% of students achieved 70% or higher on this quiz.
 - Results: target not met



PSLO 6 – Anesthesia & Surgery

AVMA Skill 4- Safely and effectively manage patients in all phases of anesthesia and integrate all aspects of patient management and surgical assistance for common surgical procedures of a variety of animals.

- VSCT 211: This measure was evaluated based on rubric scores given in the laboratory relating to this topic. N= 48
 - Target: 70% of students will achieve 90% or higher on the anesthesia rubric.
 - Findings: 73% of students achieved 90% or higher on this rubric.
 - Results: target achieved.



PSLO 7 – Produce Radiographs

AVMA Skill 7- Imaging; safely and effectively produce diagnostic radiographic and non-radiographic images

- VSCT 205: This measure was assessed based on quiz 4 which addressed these topics. N= 58
 - Target: 70% of student will score higher than 70% on quiz 4
 - Findings: 94.8% of students earned 70% or higher.
 - Results: target achieved.
- VSCT 211: this measure was assessed based on 2 quizzes given in this class specifically relating to knowledge of radiology. N= 48
 - Target: 70% of student will score 70% or higher on the average of these two quizzes.
 - Findings: 89.5% of student earned 70% or higher on the average of these two quizzes.
 - Results: target achieved.



Veterinary Service Administration 2019 Calendar Year Assessment Report



Curriculum Coordinator: Sophia Theodore

Date of Presentation: January 16, 2020

What was assessed?

- **ISLO 5: Industry, professional, and discipline-specific knowledge and skills**
 - **PSLO 9: Manage veterinary service provision in a wide variety of settings**
 - **CSLO 15: Understand the laws and standard protocols pertaining to the management of a wide variety of veterinary service settings**



How was the assessment accomplished?

- **Course: VSAD 302, Animal Care Institution Management**
- Two to three **final exam questions** pertaining to the management of veterinary service provision in each of 8 settings were presented to every student
- **Measurement strategy: Score**
- **Sample size: 31 students (All eligible students)**
 - Randomized questions pertaining to each veterinary service setting were also administered to each student, but these results were not utilized in this Assessment of SLO mastery



Measure:

Veterinary Service Settings and Questions:

Target: 70% of students will answer
13 out of 18 (72.2%)
of these questions correctly

- **Veterinary Mobile Clinics:**
 - 71. How do mobile clinics usually cover their fuel costs?
 - 73. Mobile spay/neuter clinics are most likely to work with what species?
- **Large Animal Practice Management:**
 - 82. Bowie focuses on units that are used with which of the following types of vehicles?
 - 87. What type of facilities are usually used by large animal and equine vets to see their patients?
- **Emergency, Specialty, & Referral Practice Management:**
 - 98. Which of the following are typical hours for emergency clinics to be open?
 - 100. What is probably the biggest reason why care received from an emergency clinic usually costs clients more than care received from a general practice?
- **Feline Practice Management:**
 - 104. Which of the following is used to help improve feline behavior in veterinary clinics?
 - 108. Which of the following should be part of client education for cat owners?
- **Exotics Practice Management:**
 - 118. What is the purpose of sodium thiosulfate in an aquarium?
 - 122. Amphibian enclosures must be free of which of the following?
- **Laboratory Animal Facility Management:**
 - 139. Which of the following is required to be licensed with the USDA?
 - 140. Dogs or cats purchased by research facilities may be purchased from which of the following?
 - 141. The AWA protects animals that are used for which of the following purposes?
- **Zoo & Wildlife Management:**
 - Zoo:**
 - 250. Which agency is responsible for enforcing the AWA at zoos?
 - Wildlife:**
 - 246. A specific license or permit is required in NY state to harbor each of the following types of animals EXCEPT:
 - 263. Which agency is responsible for wildlife management in NY State?
- **Diagnostic Laboratory Management:**
 - 274. Which of the following tests milk?
 - 275. Which of the following tests samples for Rabies?



Actual assessment data

Student Names		Target: At least 70% of students will answer at least 13 out of 18 (72.2%) of these questions correctly:																		Totals	Met
Last	First	71	73	82	87	98	100	104	108	118	122	139	140	141	246	250	263	274	275	Totals	Met
[Anon]	[Anon]	1	0	1	1	1	1	1	1	1	0	0	1	1	0	1	1	1	1	14	1
[Anon]	[Anon]	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	1
[Anon]	[Anon]	1	0	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	15	1
[Anon]	[Anon]	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	14	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	16	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	1
[Anon]	[Anon]	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	1
[Anon]	[Anon]	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	16	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	16	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	17	1
[Anon]	[Anon]	1	0	0	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	14	1
[Anon]	[Anon]	1	0	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	15	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	18	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	17	1
[Anon]	[Anon]	1	1	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	16	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	0	0	14	1
[Anon]	[Anon]	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	15	1
[Anon]	[Anon]	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	17	1
[Anon]	[Anon]	1	0	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	15	1	
[Anon]	[Anon]	1	0	1	1	0	0	1	1	1	1	0	1	0	1	1	1	1	1	13	1
[Anon]	[Anon]	1	1	1	0	0	1	1	0	1	1	0	0	0	0	1	1	1	1	11	0
[Anon]	[Anon]	1	0	1	0	1	1	1	1	1	0	0	0	1	0	1	1	1	1	12	0
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	1	1	1	15	1
[Anon]	[Anon]	1	0	1	1	1	0	1	0	1	0	1	1	1	1	1	1	1	0	13	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	16	1
[Anon]	[Anon]	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	17	1

Total Who Met: 29

Who Completed: 31

% Who Met: 93.55%

93.55%: Percentage of students who met the target.

Assessment results: What have the data told us?

- Overall the results of these assessments are good and indicate that students are meeting the goals of the program as well as the essential skills set by the accreditation. In some cases the assessment targets were not met. This may be due to this particular cohort or the timing of the particular assessment document. Students did do well overall in the courses in the end.



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

Department members are asked to provide input going forward to help maintain and improve these assessments.



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

- No additional resources have been requested.



What changes would you make to the Assessment Process?

- We have attempted to link the SLOs & PSLOs to our accreditation standards to make the assessment more meaningful, however, this still needs work. It is not easy to fit these outcomes in the format Taskstream requires.
- I would like to be able to select the courses linked to the PSLO to be assessed, rather than having them selected at random. Particularly for this ISLO.

