

CNM ANNUAL STUDENT LEARNING ASSESSMENT REPORT

Due to the Student Academic Assessment Committee by October 15



PART 1: REPORT INFORMATION

Report Year and Contact Information			
<u>2017-2018</u> Academic Year	<u>Evelyn Selva, RVT</u> Contact Person	<u>Ehamilton9@cnm.edu</u> CNM Email	<u>X50152</u> CNM Office Extension
Subject of this Report			
HWPS--VT_AAS--Veterinary Technology Degree			

PART 2: CONTEXT IN WHICH THE ASSESSMENT TOOK PLACE

Program/Area Highlights and Successes
<p>(Wherever applicable, include course completion rates, job placement outcomes, and licensing examination pass rates. See the program information dashboard at https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx (access restricted to CNM employees) and other reports at https://www.cnm.edu/depts/opie.)</p> <p>The Veterinary Technology AAS Program has remained popular and filled by the Coordinated Entry Process. Employers continually are contacting the Program Director with employment openings that are available. The completer success rate was 93.6%, with the C-pass rate being 84.4%, the FY retention rate was 90.1%. (sourced from the CNM VT Program Information Dashboard)</p> <p>11 CNM Veterinary Technology graduates sat for the Veterinary Technician National Exam (VTNE) as 1st time candidates. (sourced from the AAVSB VTNE cumulative pass/fail rates report July 1, 2017 to June 30, 2018)</p> <p>7 of the students passed the VTNE as a 1st timer, which is 63.64%. 4 students taking the VTNE for the 1st time failed, which is 36.36%</p> <p>The national 1st time pass rate was 69.94%.</p>

Changes Implemented During the Past Year in Support of Student Learning
<p>Beginning with Fall 2018, the Introduction to the Profession course VT 1011, has been moved to be a pre-requisite to the Program. This move should cause students to be more highly motivated to enter the Program, complete the Program with high success, and pursue the profession including passing the national examination (VTNE).</p>

PART 3: REPORT ON ASSESSMENT OF STUDENT LEARNING

Assessment Method	Type of Assessment Tool	Population or Course(s) Assessed	Graduate Learning Outcome(s) Assessed	Mastery Level (E.g., "Minimum score of 3 on a rubric scaled 0-4" or "Minimum score of 75%")	Targeted % Achieving Mastery	Outcome
Veterinary Technician National Exam (VTNE)	Direct & External	VT 2890 May 2018 graduating class	<p>Office and hospital procedures, client relations, and communication:</p> <p>A. Management Skill: Participate in facility management utilizing traditional and electronic media and appropriate veterinary medical terminology and abbreviations.</p> <p>B. Communication Skill: Communicate in a professional manner in all formats -written, oral, non-verbal, and electronic.</p> <p>C. Laws and ethics Skill: Follow and uphold applicable laws and the veterinary technology profession's ethical code to provide high quality care to patients.</p>	<p>Students passing the VTNE with a score greater than that of the national average. The VTNE does not reflect Office Procedures as a category any longer. Compared "Raw Total" score category (national average was 62%). CNM 1st time test takers achieved 69%.</p>	69%	Target met

<p>Course performance as measured by quizzes, tests, practical exams (as applicable), or other instruments involved in producing the final course grade.</p>	<p>Direct & Internal</p>	<p>VT 1292 May 2018 graduating class</p>	<p>Office and hospital procedures, client relations, and communication:</p> <p>A. Management Skill: Participate in facility management utilizing traditional and electronic media and appropriate veterinary medical terminology and abbreviations.</p> <p>B. Communication Skill: Communicate in a professional manner in all formats -written, oral, non-verbal, and electronic.</p> <p>C. Laws and ethics Skill: Follow and uphold applicable laws and the veterinary technology profession's ethical code to provide high quality care to patients.</p>	<p>Successful passing of the course with a 71% or greater.</p>	<p>100%</p>	<p>Target met</p>
<p>Veterinary Technician National Exam (VTNE)</p>	<p>Direct & External</p>	<p>VT 2890 May 2018 graduating class</p>	<p>Pharmacy and pharmacology: Skill: Safely and effectively administer prescribed drugs to patients</p>	<p>Students passing the VTNE with a score greater than that of the national average (which was 62%). CNM 1st time test takers achieved 66%.</p>	<p>66%</p>	<p>Target met</p>

Course performance as measured by quizzes, tests, practical exams (as applicable), or other instruments involved in producing the final course grade.	Direct & Internal	VT 2803 May 2018 graduating class	Pharmacy and pharmacology: Skill: Safely and effectively administer prescribed drugs to patients	Successful passing of the course with a 71% or greater.	100%	Target met
Veterinary Technician National Exam (VTNE)	Direct & External	VT 2890 May 2018 graduating class	Nursing: A. Patient assessment Skill: Demonstrate and perform patient assessment techniques in a variety of animal species. B. Patient care Skill: Understand and demonstrate husbandry, nutrition, therapeutic and dentistry techniques	Students passing the VTNE with a score greater than that of the national average (which was 66%). CNM 1 st time test takers achieved 72%.	72%	Target met
Course performance as measured by quizzes, tests, practical exams (as applicable), or other instruments involved in producing the final course grade.	Direct & Internal	VT 2674 and VT 2892 May 2018 graduating class	Nursing: A. Patient assessment Skill: Demonstrate and perform patient assessment techniques in a variety of animal species. B. Patient care Skill: Understand and demonstrate husbandry, nutrition, therapeutic and dentistry techniques	Successful passing of the course with a 71% or greater.	100%	Target met

Veterinary Technician National Exam (VTNE)	Direct & External	VT 2890 May 2018 graduating class	<p>Anesthesia:</p> <p>A. Patient management Skill: Safely and effectively manage patients in all phases of anesthetic procedures.</p> <p>B. Equipment and facility management Skill: Safely and effectively select, utilize and maintain anesthetic delivery and monitor instruments and equipment.</p>	Students passing the VTNE with a score greater than that of the national average (which was 61%). CNM 1 st time test takers achieved 63%.	63%	Target met
Course performance as measured by quizzes, tests, practical exams (as applicable), or other instruments involved in producing the final course grade.	Direct & Internal	VT 2892, VT 2651 and VT 2692 May 2018 graduating class	<p>Anesthesia:</p> <p>A. Patient management Skill: Safely and effectively manage patients in all phases of anesthetic procedures.</p> <p>B. Equipment and facility management Skill: Safely and effectively select, utilize and maintain anesthetic delivery and monitor instruments and equipment.</p>	Successful passing of the courses with a 71% or greater.	92%	Target met

Summary of Assessment Findings
<p>11 students successfully completed the Program (71% or greater in all course work) and graduated in May 2018.</p> <p>As of November 1, 2018, 6 of the May 2018 graduates have successfully passed the VTNE.</p>

Interpretation of Assessment Findings
Data collected from the VTNE results included 11 CNM first time test takers; of which 7 passed the VTNE, and 4 failed the exam on the first attempt.

As applied to the student learning outcomes for office procedures, pharmacology, nursing and anesthesia VTNE scale scores were analyzed for 1st time test takers taking the exam who graduated in May 2018. For the 5 CNM 1st time VTNE examinees, average percent correct scores were reviewed for the CNM students as compared to the United States average, and the results were:

Pharmacology: CNM average 66%; United States average 62%

Nursing: CNM average 72%; United States average 66%

Anesthesia: CNM average 63%; United States average 61%

Interpreting the VTNE assessment findings indicates that the CNM students are scoring a little higher than the United States average.

All students passed VT 1292 (Office Procedures) with passing grades of 71% or greater.

Action Plan in Support of Student Learning (Describe changes to be made that are based at least in part on the assessment interpretation. If the assessment did not yield useful information, describe changes to be made in the assessment methodology and/or criteria.)

Continue to monitor final grades for courses and student retention / completion of the Program.

Continue to monitor the VTNE scale scores for the CNM students for the various student learning outcomes, especially as compared to national scale scores.

Continue to integrate VTNE preparation into regular VT courses, and especially the Advanced Supplemental labs.

Please select all of the following that characterize the types of changes described in the above action plan:

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|---|--|--|
| <input type="checkbox"/> Assessment criteria revision | <input type="checkbox"/> Assessment methodology revision | <input type="checkbox"/> Assignment revision |
| <input type="checkbox"/> Budgetary reallocation | <input type="checkbox"/> Change in teaching approach | <input type="checkbox"/> Course content revision |
| <input type="checkbox"/> Curricular Revision | <input checked="" type="checkbox"/> Faculty training/development | <input type="checkbox"/> Process revision |

Recommendations, Proposals, and/or Funding Requests	Budget Needed
<p>Current funding, regular budget and Perkins, meets daily supply needs. The Association of Veterinary Technician Educators (AVTE) conference will be held in New Orleans in August 2019, and Perkins funding will be requested to allow two faculty members to attend.</p> <p>Monitor VT 1011 curriculum change to a pre-req for the AAS degree (term by term adjusted Fall 2018).</p> <p>Continue to mentor new faculty members and professional development.</p>	<p>Approx \$1800 per faculty member to attend the AVTE August 2019, (\$3600 total)</p>

PART 4: REMAINING YEARS IN CURRENT ASSESSMENT CYCLE PLAN (including any revisions) – **OR -- UPCOMING ASSESSMENT CYCLE PLAN** (if this was the final year)

Years of Full Cycle	Next Year's Assessment Focus (Describe how the next planned assessment is expected to provide information that can be used toward improving student learning.)
2016-2022	Continue with current cycle

Graduate Learning Outcomes to Be Assessed	Years in which Assessment Is Planned	Population/Courses to Be Assessed	Planned Assessment Approach
Office and hospital procedures, client relations, and communication: A. Management Skill: Participate in facility management utilizing traditional and electronic media and appropriate veterinary medical terminology and abbreviations. B. Communication Skill: Communicate in a professional manner in all formats - written, oral, non-verbal, and electronic. C. Laws and ethics Skill: Follow and uphold applicable laws and the veterinary technology profession's ethical code to provide high quality care to patients.	2016-2019	VT 1292: Veterinary Office Skills Lab	Final course grade in VT 1292; greater than 71%
Pharmacy and pharmacology: Skill: Safely and effectively administer and dispense prescribed drugs to patients	2016-2019	VT 2803: Pharmacology	VTNE score Pharmacy and Pharmacology, greater than national average comparing 1st time test takers of graduating year
Nursing: A. Patient assessment Skill: Demonstrate and perform patient assessment techniques in a variety of animal species. B. Patient care Skill: Understand and demonstrate husbandry, nutrition, therapeutic and dentistry techniques	2016-2019	VT 2674: Applied Therapeutics and Care I and VT 2892: Dentistry	VTNE score Dentistry and Animal Care and Nursing, greater than national average comparing 1st time test takers of graduating year
Anesthesia: A. Patient management Skill: Safely and effectively manage patients and maintain patients in all phases of anesthesia. B. Equipment and facility management Skill: Safely and effectively select, utilize and maintain anesthetic delivery and monitor instruments and equipment.	2016-2019	VT 2651: Anesthesiology Lec and VT 2692: Anesthesiology Lab	VTNE score Anesthesia and Pain Management/Analgesia, greater than national average comparing 1st time test takers of graduating year
Surgical Nursing: Patient management Skill: Understand and integrate all aspects of patient management for common surgical procedures in a variety of animal species. Procedural management	2019-2022	VT 1272: Surgical Technology	VTNE score Surgical Nursing, greater than national average comparing 1st time test takers of graduating year

Skill: Understand and provide the appropriate instruments, supplies, and environment to maintain asepsis during surgical procedures.			
Laboratory Procedures: Specimen management Skill: demonstrate knowledge of proper handling and storage of specimens for laboratory analysis to ensure safety of patients, clients, and staff. Specimen analysis Skill: Properly perform analysis of laboratory specimens.	2019-2022	VT 2010: Clin Path IVT 2610: Clin Path II	VTNE Score Laboratory Procedures, greater than national average comparing 1st time test takers of graduating year
Imaging: Skill: Safely and effectively produce diagnostic radiographic and non-radiographic images.	2019-2022	VT 1293: Radiology	VTNE Score Diagnostic Imaging, greater than national average comparing 1st time test takers of graduating year
Laboratory Animal Procedures: Skill: safely and effectively handle common laboratory animals used in animal research.	2019-2022	VT 2790: Applied Therapeutics II	Final Score in VT 2790; greater than 71%
Avian, Exotics, and Small Mammals procedures: Skill: Understand the approach to providing safe and effective care for birds, reptiles, amphibians, guinea pigs, hamsters, gerbils, and ferrets.	2019-2022	VT 2790: Applied Therapeutics II	Final Score in VT 2790; greater than 71%