

# 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>William Havins</u> Contact Person	<u>whavins@cnm.edu</u> CNM Email	<u>50137</u> CNM Office Extension
Subject of this Report			
HWPS--PHARMT_CERT--Pharmacy Technician Certificate			

## PART 2: CONTEXT IN WHICH THE ASSESSMENT TOOK PLACE

Program/Area Highlights and Successes (Wherever applicable, include course completion rates, job placement outcomes, and licensing examination pass rates. See the program information dashboard at <a href="https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx">https://livecnm.sharepoint.com/sites/Dashboards/SitePages/Program%20Information%20Dashboard.aspx</a> (access restricted to CNM employees) and other reports at <a href="https://www.cnm.edu/depts/opie">https://www.cnm.edu/depts/opie</a> .)
<p>The program has returned to open entry. A slight increase in class size (from 8 to 11 students on average) was seen. Our graduates pass the national pharmacy technician certification examination at a rate higher than the national average and our students have transitioned easily into the pharmacy workforce. College collected Graduate outcome information (job placement) was not available during completion of this report.</p> <p>Number of Graduate Awards – 34</p> <p>Average fill rate – 78.7%</p> <p>Average class size – 11</p> <p>Average retention – 95.1%</p> <p>Average c-pass rate – 89.2%</p> <p>PTCE Pass rate – 79%, Exams passed: 23, Exam Administered: 29, National Pass Rate Average: 57% (Program results may be skewed. PTCE candidates self-report training/trainers.)</p>

**Changes Implemented During the Past Year in Support of Student Learning**

**PART 3: REPORT ON ASSESSMENT OF STUDENT LEARNING**

<b>Assessment Method</b>	<b>Type of Assessment Tool</b>	<b>Population or Course(s) Assessed</b>	<b>Graduate Learning Outcome(s) Assessed</b>	<b>Mastery Level</b> (E.g., "Minimum score of 3 on a rubric scaled 0-4" or "Minimum score of 75%")	<b>Targeted % Achieving Mastery</b>	<b>Outcome</b>
Student clinical evaluation form	Direct & External	PT1590 Pharmacy Technician Practicum	4. When students complete the program they will be able to prioritize work flow while assisting the pharmacist in collecting, organizing, and evaluating information for direct patient care, drug use review, and departmental management	Students are evaluated at each clinical site (2 sites/student) using an external direct tool, with a scoring range of one to three, all (100%) students must receive a score of no less than 2 in each critical area.	88%	Target partially met
Student clinical evaluation form	Direct & External	PT 1590 Pharmacy Technician Practicum	5. When students complete the program they will be able to classify commonly used prescription and non-prescription drugs according to therapeutic class and indication.	Students are evaluated at each clinical site (2 sites/student) using an external direct tool, with a scoring range of one to three, all (100%) students must receive a score of no less than 2 in each critical area. (Question 7)	93%	Target partially met

Comprehensive examinations	Direct & Internal	PT 1515 Pharmacology	5. When students complete the program they will be able to classify commonly used prescription and non-prescription drugs according to therapeutic class and indication.	Students are evaluated in the classroom using three comprehensive written examinations which assess knowledge of learning outcomes as outlined below.  Our goal is having no less than 80% of students achieving a score of 71% or better on each exam.	79%	Target partially met
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#### Summary of Assessment Findings

Outcome 4: PT1590 - Students were rated as having a “meet expectations” or higher rating on final clinical evaluations; percentage of students that meet expectations and exceed expectations: did not meet – 2% (N-1), meet – 61.8% (N-25), exceed – 26% (N-11), total skills at sites N/A or not observed – 10%.

Outcome 5: PT1515 Comprehensive exams. The average % of students (N-42) scoring 71% or better for the academic year (2017-2018) is as follows:

Exam I Total: 78.5% (N-33), [Fall 17 – 93% (N-14), Spring 18 – 75% (N-9), Summer 18 – 67% (N-10)]

Exam II Total: 47.6% (N-20), [Fall 17 – 53% (N-8), Spring 18 – 42% (N-5), Summer 18 – 47% (N-7)]

Exam III Total: 85.7% (N-36), [Fall 17 – 87% (N-13), Spring 18 – 83% (N-10), Summer 18 – 87% (N-13)]

PT1590 – Question 7- Demonstrates knowledge of brand and generic medication names: Students were rated as having a “meet expectations” or higher rating on final clinical evaluations; percentage of student ratings: did not meet – 3.3% (N-2), meet – 79% (N-31), exceed – 15% (N-6), total skills at sites N/A or not observed – 3.3%.

#### Interpretation of Assessment Findings

Outcome 4: Eighty-eight percent of students (N-37) in PT1590 received overall ratings of at least 2 on the 1-3 scale/ as evaluated by clinical preceptors (pharmacists and technicians). Four students dropped PT1590 before completing the second rotation (1-Fall, 1-Spring, 2-Summer).

Outcome 5: The target 80% of students achieving a score of 71% or better on each exam was met for Exam III. Exam I and II targets were not met overall with 78.5% and 47.6% results respectively.

**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.)

Students are required to utilize online course content provided by the textbook publisher. Scores on Exam I and Exam II increased overall in two cohorts over last year. Continued assessment of activities will be needed to assure continued relevance of online content and overall upward trend.

**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 checked="" 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 type="checkbox"/> Faculty training/development    | <input type="checkbox"/> Process revision               |

Recommendations, Proposals, and/or Funding Requests	Budget Needed
New Accreditation Standards are now published. Program/curriculum redesign will be necessary to meet standards for Entry & Advanced level certification/AAS degree	Program/course redesign project comp.

**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.)
2016-2021	

Graduate Learning Outcomes to Be Assessed	Years in which Assessment Is Planned	Population/Courses to Be Assessed	Planned Assessment Approach
When students complete the program they will be able to recall and apply various professional practice standards necessary to assist the pharmacist in monitoring the practice site for compliance with federal, state and local laws, regulations and professional standards.	Fall '19 – Sum '21	PT1010 Intro to Pharmacy Technology, PT 1510 Advanced Pharmacy Technology	Imbedded examination questions (internal direct)
When students complete the program they will be able to choose appropriate pharmaceuticals, devices, and supplies according to an established purchasing program.	Fall '19 – Sum '21	PT1590 Pharmacy Technician Practicum	Clinical site preceptor final evaluation of student (external direct)

When students complete the program they will be able to apply the skills needed to take personal responsibility for assisting the pharmacist in improving the pharmaceutical care of patients.	Fall '19 – Sum '21	PT1590 Pharmacy Technician Practicum	Clinical site preceptor final evaluation of student (external direct)
When students complete the program they will be able to prioritize work flow while assisting the pharmacist in collecting, organizing, and evaluating information for direct patient care, drug use review, and departmental management.	Fall '16 – Sum '19	PT1590 Pharmacy Technician Practicum	Clinical site preceptor final evaluation of student (external direct)
When students complete the program they will be able to classify commonly used prescription and non-prescription drugs according to therapeutic class and indication.	Fall '16 – Sum '19	PT 1515 Pharmacology	PT1515 Exam I, II, and III (internal direct)