

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>Monica Lewis</u> Contact Person	<u>mllewis@cnm.edu</u> CNM Email	<u>50202</u> CNM Office Extension

Subject of this Report
HWPS--MLT_AAS--Medical Laboratory Technician Degree

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 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 .)
Fill Rate = 73.%; Completer Success Rate = 96%; Enrollment Success Rate = 91% ; Withdrawal Rate = 4%; Non-Pass Rate = 4%; Retention Rate = 96%; Number of Graduates = 12; Certification Pass Rate = 100%; Combined Employment or Continuing Education Rate = 90%

Changes Implemented During the Past Year in Support of Student Learning
New instructors working on refining curriculum, PD to align exit competencies to objectives, piloted distance student project

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
<p>Achievement of knowledge objectives as measured by final comprehensive exam (early). Achievement of knowledge objectives ASCP exam (late).</p>	<p>Direct & External</p>	<p>Immunology MLT 1014</p>	<p>MLT: Correlate laboratory tests with human physiology and disease states.</p>	<p>Successful completion of MLT comprehensive final exam = 83%</p> <p>Mean score <71% = unacceptable, immediate action plan</p> <p>Mean score >71% = adequate, action plan as time permits</p> <p>Mean ASCP MLT score = 589</p> <p>Mean score <400 = unacceptable, immediate action plan</p> <p>Mean score >400 = adequate, action plan as time permits</p>	<p>71%</p>	<p>Target met</p>

<p>Achievement of knowledge objectives as measured by final comprehensive exam (early). Achievement of knowledge objectives ASCP exam (late).</p>	<p>Direct & External</p>	<p>Coagulation MLT 1592</p>	<p>MLT: Correlate laboratory tests with human physiology and disease states.</p>	<p>Successful completion of MLT comprehensive final exam = 83%</p> <p>Mean score <71% = unacceptable, immediate action plan</p> <p>Mean score >71% = adequate, action plan as time permits</p> <p>Mean ASCP MLT score (ASCP stopped giving Coagulation breakdown = unable to measure)</p> <p>Mean score <400 = unacceptable, immediate action plan</p> <p>Mean score >400 = adequate, action plan as time permits</p>	<p>71%</p>	<p>Target met</p>
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<p>Achievement of knowledge objectives as measured by final comprehensive exam (early). Achievement of knowledge objectives ASCP exam (late).</p>	<p>Direct & External</p>	<p>Immunohematology MLT 1511</p>	<p>MLT: Correlate laboratory tests with human physiology and disease states.</p>	<p>Successful completion of MLT comprehensive final exam 97%</p> <p>Mean score <71% = unacceptable, immediate action plan</p> <p>Mean score >71% = adequate, action plan as time permits</p> <p>Mean ASCP MLT score = 612</p> <p>Mean score <400 = unacceptable, immediate action plan</p> <p>Mean score >400 = adequate, action plan as time permits</p>	<p>71%</p>	<p>Target met</p>
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<p>Achievement of knowledge objectives as measured by final comprehensive exam (early). Achievement of knowledge objectives ASCP exam (late).</p>	<p>Direct & External</p>	<p>Clinical Chemistry MLT 2011</p>	<p>MLT: Correlate laboratory tests with human physiology and disease states.</p>	<p>Successful completion of MLT comprehensive final exam = 86%</p> <p>Mean score <71% = unacceptable, immediate action plan</p> <p>Mean score >71% = adequate, action plan as time permits</p> <p>Mean ASCP MLT score = 565</p> <p>Mean score <400 = unacceptable, immediate action plan</p> <p>Mean score >400 = adequate, action plan as time permits</p>	<p>71%</p>	<p>Target met</p>
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<p>Achievement of skills objectives as measured by lab practical exams (early) and preceptor evaluations (late).</p>	<p>Indirect & External</p>	<p>Immunology MLT 1192</p>	<p>MLT: Perform and interpret laboratory tests including: specimen collection and processing, instrument operation and troubleshooting, result reporting and record documentation, quality control monitoring, computer applications, corrective action, and safety protocols.</p>	<p>Skills measured by lab practical exam score 86%</p> <p>Clinical Performance measured by preceptor evaluation = Immunology not measured as a separate unit – no data</p> <p>Mean score <71% = unacceptable, immediate action plan</p> <p>Mean score >71% = adequate, action plan as time permits</p>	<p>71%</p>	<p>Target met</p>
<p>Achievement of skills objectives as measured by lab practical exams (early) and preceptor evaluations (late).</p>	<p>Indirect & External</p>	<p>Coagulation MLT 1592</p>	<p>MLT: Perform and interpret laboratory tests including: specimen collection and processing, instrument operation and troubleshooting, result reporting and record documentation, quality control monitoring, computer applications, corrective action, and safety protocols.</p>	<p>Skills measured by lab practical exam score = 92%</p> <p>Clinical Performance measured by preceptor evaluation = Coagulation not measured as separate entity – no data</p> <p>Mean score <71% = unacceptable, immediate action plan</p> <p>Mean score >71% = adequate, action plan as time permits</p>	<p>71%</p>	<p>Target met</p>

Achievement of skills objectives as measured by lab practical exams (early) and preceptor evaluations (late).	Indirect & External	Immunochemistry MLT 1792	MLT: Perform and interpret laboratory tests including: specimen collection and processing, instrument operation and troubleshooting, result reporting and record documentation, quality control monitoring, computer applications, corrective action, and safety protocols.	<p>Skills measured by lab practical exam score 98%</p> <p>Clinical Performance measured by preceptor evaluation = 100%</p> <p>Mean score <71% = unacceptable, immediate action plan</p> <p>Mean score >71% = adequate, action plan as time permits</p>	71%	Target met
Achievement of skills objectives as measured by lab practical exams (early) and preceptor evaluations (late).	Indirect & External	Clinical Chemistry MLT 2092	MLT: Perform and interpret laboratory tests including: specimen collection and processing, instrument operation and troubleshooting, result reporting and record documentation, quality control monitoring, computer applications, corrective action, and safety protocols.	<p>Skills measured by lab practical exam score 85%</p> <p>Clinical Performance measured by preceptor evaluation = 100%</p> <p>Mean score <71% = unacceptable, immediate action plan</p> <p>Mean score >71% = adequate, action plan as time permits</p>	71%	Target met

Summary of Assessment Findings
Adequate

Interpretation of Assessment Findings
Acceptable. ASCP scores on the rise.

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.)
Align ASCLS ELC with objectives. Look additional tools or delition where data not available.

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

- Assessment criteria revision
- Assessment methodology revision
- Assignment revision
- Budgetary reallocation
- Change in teaching approach
- Course content revision
- Curricular Revision
- Faculty training/development
- Process revision

Recommendations, Proposals, and/or Funding Requests	Budget Needed
Give PD additional release to complete alignment.	45 contact hours

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	Alignment of ASCLS Entry Level Competencies with objectives.

Graduate Learning Outcomes to Be Assessed	Years in which Assessment Is Planned	Population/Courses to Be Assessed	Planned Assessment Approach
1. MLT: Correlate laboratory tests with human physiology and disease states.	A. 2016-2017 & 2018-2019 Cohorts (year 1 & 3): MLT: Urinalysis, Hematology, Microbiology B. 2017-2018 & 2019-2020 Cohorts (year 2 & 4): MLT: Immunology, Coagulation, Immunohematology, Clinical Chemistry C.	A. MLT 1012, MLT 1510, MLT 2010, ASCP exam B. MLT 1014, MLT 1511, MLT 1592, MLT 2011, ASCP exam C. MLT 2712 and ASCP	A. Achievement of knowledge objectives as measured by final comprehensive exam (early) and ASCP exam (late). Internal and External. B. Achievement of knowledge objectives as measured by final comprehensive exam (early) and ASCP exam (late). Internal and External. C. Achievement of knowledge objectives as measured by lab operations exam (early) and ASCP exam (late). Internal and External.

	2012-2013 & 2014-2015 Cohorts (year 3 & 5): MLT Laboratory Operations		
2. MLT: Perform and interpret laboratory tests including: specimen collection and processing, instrument operation and troubleshooting, result reporting and record documentation, quality control monitoring, computer applications, corrective action, and safety protocols.	A. 2016-2017 & 2018-2019 Cohorts (year 1 & 3): MLT: Urinalysis, Hematology, Microbiology B. 2017-2018 & 2019-2020 Cohorts (year 2 & 4): Immunology, Coagulation, Immunohematology, Clinical Chemistry	A. MLT 1092, MLT 1692, MLT 2592, MLT 2790 B. MLT 1192, MLT 1592, MLT 1792, MLT 2092, MLT 2890	A. Achievement of skills objectives as measured by lab practical exams (early) and preceptor evaluations (late). Direct and Indirect. B. Achievement of skills objectives as measured by lab practical exams (early) and preceptor evaluations (late). Direct and Indirect.
3. Behavior: Describe and demonstrate appropriate laboratory etiquette, professionalism, communication and human relation skills.	2018-2019 & 2020-2021 Cohorts (year 3 & 5):	MLT 1001, MLT 2790	MLT 1001 (early) and demonstrated behavior measured by preceptor evaluation (late). Internal and External.