

Program: Medical Laboratory Science

Department: Clinical Health Sciences

Degree or Certificate Level:

College/ège/

Studen

/ Professional Development Evaluation

The Professional Development Evaluation forms contain one characteristic/behavior that have been keyed back to PLO#5. The Clinical Preceptor evaluates the students at the end of their clinical rotation on the following:

No Madrid student artifacts were included

What process was used to evaluate the student artifacts, and by whom? Please identify the tools(s) (e.g., a rubric) used in the process and include them in/with this report.

Students will demonstrate respect for human life with regard to all aspects of laboratory testing.

/ Microbiology Ethics Case Study Assignment (Due to

COVID-19, this assignment was not assigned)

Due to COVID-19 and the changes that were made to the course to accommodate students and a revised schedule, this assignment was not assigned. The Program Director uses the assessment rubric located in appendix 1 to evaluate each assignment. The Program Director determines the % of students that achieved a ranking of "introduce" or higher on the assessment rubric.

/ Professional Development Evaluation (n= 6)

(This is a clinical course that takes place at hospital microbiology labs throughout the St. Louis metropolitan area).

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The artifacts were completed by the Clinical Preceptors at the end of the students' clinical rotation and were then high evaluated by the MLS Program Director. The Clinical xpital n

Students will apply critical reasoning to solve laboratory-based case studies

/ Urinalysis Case Study Assignment (n =9)

The urinalysis case study assignment was reviewed by the MLS Program Director. The Program Director used the assessment rubric located in appendix 1 to evaluate each assignment. The results were tallied, and the Program Director determined the % of students that achieved a ranking of "introduce" or higher on the assessment rubric.

/ Case Study Presentations (n = 4)

The Program Director attended the case study presentations and evaluated the students using the assessment rubric located in appendix 1. The results were tallied, and the Program Director determined the % of students that achieved a ranking of "mastery" or higher on the assessment rubric.

Students will adhere to the principles found in the American Society for Clinical Laboratory Science (ASCLS) Professional Code of Ethics. (See appendix 2)

/ Immunohematology Ethics Case Study Assignment

(Due to COVID-19, this assignment was not assigned)

Due to COVID-19 and the changes that were made to the course to accommodate students and a revised schedule, this assignment was not assigned. The Program Director uses the assessment rubric located in appendix 1 to evaluate each assignment. The Program Director determined the % of students that achieved a ranking of "introduce" or higher on the assessment rubric.

/ Professional Development Evaluation (n = 4)

The forms were completed by the Clinical Preceptors at the end of the students' clinical rotation and were then evaluated by the MLS Program Director. The Clinical Preceptor ranked the students on a scale of 1 to 5 (5 being the highest score) on various science topics.

Due to COVID-19 and the changes that were made to the course to accommodate students and a revised schedule, this assignment was not assigned and, therefore, no data is available.

/ Professional Development Evaluation (n = 6)

(This is a clinical course that takes place at hospital microbiology labs throughout the St. Louis metropolitan area).

The scores of each characteristic/behavior were added together and then divided by the total number to get an r

_____ Students will demonstrate respect for human life with regard to all aspects of laboratory testing.

/ Microbiology Ethics Case Study Assignment (Due to COVID-19, this assignment was not assigned)

Due to COVID-19 and the changes that were made to the course to accommodate students and a revised schedule, this assignment was not assigned and, therefore, no data is available to assess. This artifact was updated from the artifact assessed during the AY2018-2019. Since it was also not assessed during the AY2020-2021, we will assess it for the first time in AY2022-2023.

/ Professional Development Evaluation (n = 6)

After reviewing the evaluation forms it was determined by the Program Director and the Program Manager that changes were needed to ensure consistency in evaluating each item and to better differentiate achievement levels. For example, some items were graded on a scale of 1-4 while others were graded on a scale of 1-5. In addition, having a range of 2-4 "meeting expectations" does not allow us to appropriately evaluate the students and make clear distinction between achievement levels.

The Spring 2020 Professional Development instructions to the evaluators are below along with the revised 2021 instructions.

Rate the student in each area by circling:

- 1 = Needs improvement. / Student is not performing as would be expected of an entry level MLS.
- 2, 3 or 4 = Meets expectations. / Student is currently performing as an entry level MLS to varying degrees
- 5 = Exceptional. / Student's performance is well above what would be expected of an entry level MLS.

Rate the student in each area by circling:

- 2 = Needs improvement. / Student is not performing as would be expected of an entry level MLS.
- 4 = Meets expectations. / Student is currently performing as an entry level MLS.
- 5 = Exceptional. / Student's performance is well above what would be expected of an entry level MLS.

Thus, the rubric used to assess this artifact was updated so that the language is consistent with the 2021 instructions to the evaluator.

In addition, we decided to use the comprehensive score from the professional development evaluation form as the artifact #2 instead of only using certain characteristics/behaviors to evaluate PLO #1. We decided that a more holistic approach to evaluation is needed since the PLO states "all aspects of laboratory testing." This decision was made after discussing each characteristic/behavior that is listed on the form which includes:

1. Knowledge of the subject
2. Application of knowledge to practice
3. Judgement: Problem recognition and resolution
4. Bench work: skills and pace
5. Safety practices
6. Professionalism/Maturity
7. Attendance/Punctuality
8. Initiative/Motivation
9. Responsibility
10. Interpersonal/communication skills
11. Ability to work in a clinical lab environment/handle stressful situations

12. Adherence to the American Society for Clinical Laboratory Science (ASCLS) Professional Code

Academic Year	n =	# meeting target	% Meeting Target	Notes
2018-2019	8	8	100%	Immunohematology ca

Academic Year	n =	# meeting target	% Meeting Target	Notes
2018-2019	8	8	100%	Microbiology ethics case study assignment was used as the artifact
2020-2021	NA	NA	NA	Artifact was changed to Immunohematology Ethics and was not given due to COVID

2. MLS 4870 Clinical Immunohematology / Practicum Professional Development Evaluation
Program Target



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table (from left to right).

Preamble

The Code of Ethics of the American Society for Clinical Laboratory Science sets forth the principles and standards by which Medical Laboratory Professionals and students admitted to professional education programs practice their profession.

Medical Laboratory Professionals' primary duty is to the patient, placing the welfare of the patient above their own needs and desires and ensuring that each patient receives the highest quality of care according to current standards of practice.

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A fresh, first morning urine sample was obtained from a 27-year-old female c

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Laboratory at Agglutination Medical Center. Suppose that you are the evening shift MLS who works from 3:00-11:30 pm. Prior to your arrival on this day, Herbie performed a STAT blood typing test on a patient. At the time the test was ordered, the surgery team alerted Herbie that the patient will likely need two units of blood soon. The following results were obtained.

Anti-A reagent	Anti-B reagent	Anti-A,B reagent	a cells commercial reagent	b cells commercial reagent
negative	negative	negative	positive	positive

After contemplating the results obtained above for a few moments, Herbie recorded the following interpretation of these results as: ABO Type AB Blood. Moments later, a member of the surgery team called Herbie & requested two (2) units of blood for the patient.

Confident of his test interpretation and without any further testing, Herbie enters and releases the results. Standard protocol in the blood bank lab is for a member of each shift to check the test interpretation and result entries of all work performed on the previous shift.

You are the designee on this particular day. Ut