

# COURSE OUTCOME MATRIX

## COURSE SYLLABUS

### PART 2 of 3

|                         |                               |
|-------------------------|-------------------------------|
| Course Number and Title | ML 210 MLT Clinical Practicum |
|-------------------------|-------------------------------|

|              |                 |
|--------------|-----------------|
| Credit Hours | 12 Credit Hours |
|--------------|-----------------|

|                    |   |
|--------------------|---|
| Course Description | A Laboratory Course: 32 hours in the hospital lab each week. MLT students work along with laboratory personnel in hospital laboratories, learning daily routines, technical procedures and proper use of various types of laboratory equipment. Under supervision, students perform daily tasks in chemistry, hematology, coagulation, urinalysis, blood bank, serology and microbiology departments of the laboratory. Students will be in clinical rotations for a 15-week period consisting of four 8-hour days each week. |
|--------------------|---|

|                                       |  |
|---------------------------------------|--|
| Prerequisite(s) and/or Corequisite(s) | Prerequisite: ML 201 and ML 202<br>Co-requisite: ML 205. |
|---------------------------------------|--|

Required Textbooks/References/Course Materials:  
None.

| General Education Outcomes |   |
|----------------------------|---|
| 1                          | Utilize written and verbal language to discuss and comprehend information, incorporating a variety of technologies, such as text, data, and images (written language, verbal language, and information technology).   |
| 2                          | Identify and interpret relevant information in order to formulate an opinion or conclusion (critical thinking).   |
| 3                          | Demonstrate and communicate computational methods and mathematical reasoning in a variety of formats (using words, tables, graphs, mathematical equations, etc., as appropriate) (quantitative literacy and fluency). |
| 4                          | Communicate in appropriate ways with those who are culturally diverse (intercultural competence).   |

| Program/Department Outcomes |   |
|-----------------------------|---|
| 1                           | Graduates will demonstrate skills, knowledge and proper attitudes to realize a career as entry level Medical Laboratory Technicians in hospitals and other health care environments.  |
| 2                           | Graduates must demonstrate professionalism and conduct that reflects safe, legal, and ethical behavior.   |
| 3                           | Graduates will have the necessary knowledge to be able to pass a national certification examination.  |
| 4                           | Graduates must be able to communicate in a facilitative, purposeful and respectful manner with patients, families, colleagues, and other members of the health care team.   |
| 5                           | Graduates will have knowledge of prospective job information in an effort to achieve 100% placement within 3 months of graduation or for continuing their undergraduate education in medical technology or other field of their choice. |
| 6                           |   |
| 7                           |   |
| 8                           |   |
| 9                           |   |
| 10                          |   |

|    | Course Outcomes (CO)  | Bloom's Domain for CO (C, A, P), Category, and Level | Program/Department Outcome(s) | Written Language | Verbal Language | Information Technology | Critical Thinking | Quantitative Literacy and Fluency | Intercultural Competence |
|----|---|--|-------------------------------|------------------|-----------------|------------------------|-------------------|-----------------------------------|--------------------------|
| 1. | Demonstrate proficiency in the clinical objectives provided by the course instructor in the areas of chemistry, hematology, urinalysis, coagulation, blood bank, molecular diagnostics and serology.  | P - Perfecting (3)                                   | 1,2,3                         | 0                | 0               | 0                      | 1                 | 1                                 | 0                        |
| 2. | Display organizational and technical skills relating to the student's areas of clinical training.   | A – Internalizing values (5)                         | 1,2,3,4                       | 0                | 0               | 1                      | 1                 | 0                                 | 0                        |
| 3. | Practice and value the importance of punctuality, notification protocol and attendance during their clinical training.  | A – Valuing (3)                                      | 1,2,4                         | 0                | 1               | 0                      | 1                 | 0                                 | 0                        |
| 4. | Demonstrate professional behavior by maintaining a strong positive attitude, developing and using good professional judgement in all matters concerning laboratory safety and interaction with patients, specimens, hospital staff, faculty, and fellow students. | A – Valuing (3)                                      | 1,2                           | 0                | 0               | 0                      | 1                 | 0                                 | 1                        |
| 5. | Examine and recognize the clinical laboratory's many needs and requirements through awareness of the department(s) workload, maintaining accurate records, and by offering assistance in restocking supplies as well as other necessary tasks.                    | A – Organization (4)                                 | 1,2,3,4                       | 1                | 0               | 0                      | 1                 | 0                                 | 0                        |
| 6. | Seek and value a safe laboratory environment by observing all safety regulations as presented throughout the MLT program, as well as any modified or additional safety requirements of the individual clinical facility.  | A - Responding to Phenomona (2)                      | 1,2                           | 0                | 0               | 0                      | 1                 | 0                                 | 0                        |
| 7. | Demonstrate a level of knowledge sufficient to orient new employees and perform procedures at the entry level.  | P - Perfecting (3)                                   | 1,2,3,4                       | 0                | 1               | 0                      | 1                 | 0                                 | 0                        |

Bloom's Domain Legend

C = Cognitive  
A = Affective  
P = Psychomotor

General Education Outcome Legend

2 = Included and Measurable  
1 = Introduced and/or Minimally Addressed and Not Measurable  
0 = Not included

Approved: May 2021  
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