

COURSE OUTCOME MATRIX

COURSE SYLLABUS

PART 2 of 3

Course Number and Title	ML 201 Urinalysis and Body Fluids
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Credit Hours	2 Credit Hours
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Course Description	A Laboratory Course: 2 hours lecture/lab each week. This course concentrates on the theoretical and procedural aspects concerning the analysis of non-blood body fluids, such as urine, gastric fluid, cerebrospinal fluid, feces and various other body fluids. Laboratory findings related to these fluids are correlated to disease states as well.
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Prerequisite(s) and/or Corequisite(s)	Prerequisite: ML 200. Co-requisite: ML 202.
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Required Textbooks/References/Course Materials:

Urinalysis and Body Fluids	6th	Strasinger	F. A. Davis	0803639201
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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.
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	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	Describe the different types of urine specimens encountered in the laboratory.	C - Remembering (1)	1, 3	0	0	0	1	0	0
2	Employ the proper techniques related to the collection, handling and analysis of urine, fecal and other body fluid specimens.	P - Perfecting (2)	1, 3	0	0	0	1	0	0
3	Classify the function and diseases of the kidney.	C - Understanding (2)	1, 3	0	0	0	1	0	0
4	Interpret the physical, chemical and microscopic examination results of urinalysis and how these findings relate to disease states.	C - Evaluating (5)	1, 3	1	0	0	1	1	0
5	Recall the special urinary screening tests for the detection of diseases and disorders.	C - Remembering (1)	1, 3	0	0	0	1	0	0
6	Demonstrate the different aspects of quality assurance/assessment in the urinalysis department.	C - Applying (3)	1, 2	0	0	0	1	0	0
7	Explain collection, functions, diseases and tests involved with: CSF, gastric contents, fecal analysis and other body fluids.	C - Understanding (2)	1, 3	1	0	0	1	0	0
8	Practice laboratory safety rules to guard against chemical, physical, and biological hazards.	A - Responding to Phenomena (2)	1, 2, 3	0	0	0	1	0	0
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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
Reviewed: October 29, 2021