

GRADUATE SCHOOL
MASTER OF SCIENCE IN MEDICAL LABORATORY SCIENCE

A. Basic Course (15 units)

Subject Code	Subject Description	Units Credits
MLS 501	Philosophical and Theoretical Foundations of Clinical Laboratory Science	3
MLS 502	Methods of Research I Health Sciences	3
MLS 503	Foundations of Medical Laboratory Science Education	3
MLS 504	Biostatistics with Computer Aided Analysis	3
MLS 505	Health Policy Management	3

B. Major Subjects (18 units only)

Subject Code	Subject Description	Units Credits
MLS 601	Learning Strategies and Teaching Methods	3
MLS 602	Instructional Design	3
MLS 603	Curriculum Development	3
MLS 604	Advanced Organizational Development and Management	3
MLS 605	Trends and Issues in Medical Laboratory Science	3
MLS 606	Advanced Educational Psychology	3
MLS 607	Test and Measurement	3
MLS 608	Total Quality Management in Medical Laboratory Science Administration and Supervision	3
MLS 701	Quality Management	3
MLS 702	Principles of Laboratory Services	3
MLS 703	Clinical Laboratory Planning and Organization	3
MLS 704	Human Resource Management	3
MLS 705	Marketing Clinical Laboratory Services	3
MLS 706	Accounting and Financial Management	3
MLS 707	Management of Laboratory Information System	3
MLS 708	Legal Issues in Clinical Laboratory Information System	3
MLS 801	Advanced Analysis of Urine and Body Fluids	3
MLS 802	Advanced Assay Techniques	3
MLS 803	Advanced Clinical Chemistry	3
MLS 804	Advanced Concepts on Molecular Biology	3
MLS 805	Advanced Hematology	3
MLS 806	Advanced Histopathologic and Cytologic Techniques	3
MLS 807	Advanced Immunohematology	3
MLS 808	Advanced Immunology and Immunochemistry	3
MLS 809	Advanced Medical Microbiology	3
MLS 810	Advanced Medical Parasitology	3
MLS 814	Laboratory Instrumentation and Quality Control	3

C. Thesis Writing (9 units)

Subject Code	Subject Description	Units Credits
MLS 506	Thesis Writing 1 (Thesis Proposal)	3
MLS 507	Thesis Writing 2 (Research Colloquium)	3
MLS 508	Thesis Writing 3 (Thesis Defense)	3

Total **42**

SUMMARY

Requirements	MPA with Thesis
Core Course	12 units
Professional Courses	18 units
Elective Courses	6 units
Thesis Writing (Thesis Program)	6 units
Total No. of Units	42 units