Course Specifications

General Information

Course name	Clinical Training(1)
Course number	AMSL3224
Faculty	
Department	
Course type	UNIV Needs
Course level	3
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - Student learning goals for the clinical practicum focus on active participation in daily laboratory operations and personal performance as a laboratory professional.

2 - The learning goal for the technical portion of the clinical practicum is to facilitate and enhance the students application of learned theory, laboratory experience, and test data interpretation learned in university courses to an active clinical laboratory setting.

3 - To accomplish this goal, students will apply principles of preanalytical, analytical, and post-analytical components of laboratory practice in all laboratory branches to the performance of laboratory operations in a contemporary clinical setting.

4 - The learning goal for the professional component is for students to attain high level interpersonal performance so as to interact professionally with fellow staff and all consumers of laboratory testing.

5 - The ultimate outcome of a successfully completed practicum experience is the ability to perform testing of the highest quality to support the laboratory's role in quality patient care and safety.

6 - Student achievement during this practicum course will lay the foundation for success as an entry-level medical laboratory scientist.

7 - Demonstrate correctly proper procedures for the collection, safe handling, and analysis of biological specimens to the satisfaction of the instructor.

8 - Utilize correctly scientific principles, principles of methods for quantifying, clinical correlations, and clinical decision making for analytes of interest in clinical laboratory.

9 - Perform correctly laboratory testing according to established laboratory protocol.

10 - Apply correctly appropriate problem solving steps for determining instrument/methodology problems, utilizing instrument manuals, laboratory procedure manuals, and information contained in package inserts.

11 - Operate equipment properly, troubleshoot, and perform preventive and corrective maintenance according to the manufacturer's directions to the satisfaction of the instructor.

12 - Utilize proper techniques in the performance of all laboratory testing to the satisfaction of the instructor.

13 - Evaluate correctly laboratory test results to determine disease diagnosis.

14 - Evaluate correctly acceptability of quality control and test result data.

15 - Discuss the impact and apply principles of total quality management on laboratory operations, including relevance to the pre-analytical, analytical, and post-analytical stages of the testing process.

16 - Comply with established safety regulations and regulations governing regulatory compliance related to laboratory practice to the satisfaction of the instructor

17 - Communicate effectively and professionally as a member of the healthcare team to enable consultative and educational interactions with other healthcare personnel, the public, and patients to the satisfaction of the instructor.

18 - Demonstrate ethical behavior and professionalism, including maintaining the confidentiality of patient information to the satisfaction of the instructor.

Intended Learning Outcomes

Professional Skills	*	To be able to work independently in any Clinical Laboratory setting

Teaching and Learning Methods

1 - Field Practical training in Clinics and hospitals

Students Assessment

Assessment Method	TIME	MARKS
Attendance and Instructor report	Training period	50
Final Exam	During the first semester of each year	50

Books and References

Course note	All study materials taken through your study of the different courses in the department