



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Allied Medical Sciences Department

LM460 Field Training - JNQF Level: 7

Second Semester 2023-2024

Course Catalog

17 Credit Hours. A one semester-long clinical laboratory practice in affiliated hospital laboratories, under supervision, in Hematology and Blood Bank Laboratories, Clinical Chemistry Laboratories, Clinical Microbiology Laboratories, Clinical Microscopy Laboratories, and Clinical Immunology and Serology Laboratories.

Teaching Method: On Campus

Text Book

Title	Essentials of Clinical Laboratory Science
Author(s)	John Ridley
Edition	1st Edition
Short Name	Ref 1
Other Information	

Course References

Short name	Book name	Author(s)	Edition	Other Information
Ref 2	Laboratory Guide : Concepts and Protocols for Practical Courses in Biochemistry and Molecular Biology	Shafat A. Lato	1st Edition	
Ref 3	Laboratory Tests and Diagnostic Procedures	Cynthia C. Chernecky, Barbara J. Berger	6th Edition	
Ref 4	Essentials of Medical Laboratory Practice	Constance L. Lieseke, Elizabeth A. Zeibig	1st Edition	

Instructor

Name	Dr. Hassan Kofahi
Office Location	M6 L0

Office Hours	Sun : 11:00 - 12:00 Mon : 11:30 - 13:30 Tue : 12:30 - 13:30 Wed : 09:30 - 11:30
Email	hmkofahi@just.edu.jo

Class Schedule & Room	
Section 1:	Lecture Time: U : - Room: HOSPITAL
Section 2:	Lecture Time: U : - Room: HOSPITAL

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Patients' reception, sample collection and transport.	
Weeks 3, 4	Microbiology laboratory training	
Weeks 5, 6	Hematology laboratory training	
Weeks 7, 8	Clinical chemistry laboratory training	
Weeks 9, 10	Immunology laboratory training	
Weeks 11, 12	Blood banking training	
Weeks 13, 14	Histopathology laboratory training	
Weeks 15, 16	Microscopic Analysis (Body Fluids analysis) laboratory training	

Mapping of Course Outcomes to Program Outcomes and NQF Outcomes	Course Outcome Weight (Out of 100%)	Assessment method
Demonstrate proficiency in conducting a range of laboratory tests commonly performed in medical laboratories, including specimen collection, handling, and processing. [1SLO2] [1L7S2]	25%	
Develop skills in troubleshooting common laboratory issues and resolving technical challenges to maintain workflow efficiency. [1SLO2] [1L7S1]	15%	
Interpret laboratory test results accurately and effectively report findings to healthcare professionals for patient care management. [1SLO3] [1L7S3]	15%	
Apply the principles of safety, quality assurance, and quality control in laboratory practice to ensure a safe work environment and accurate test results. [1SLO4] [1L7S3]	10%	
Demonstrate an understanding of regulatory requirements to ensure compliance with legal and professional guidelines. [1SLO5] [1L7C1]	5%	

Evaluate laboratory procedures and processes for optimal patient care outcomes. [1SLO4] [1L7C2]	10%	
Demonstrate the ability to work in a team and under the supervision of senior laboratory professionals. [1SLO5] [1L7C3]	10%	
Acquire professional skills and competencies to enable graduates to work effectively in the different types of public or private medical laboratories. [1SLO5] [1L7C4]	10%	

Relationship to Program Student Outcomes (Out of 100%)											
SLO1	SLO2	SLO3	SLO4	SLO5	SLO6	MSLO1	MSLO2	MSLO3	MSLO4	MSLO5	MSLO6
	40	15	20	25							

Relationship to NQF Outcomes (Out of 100%)						
L7S1	L7S2	L7S3	L7C1	L7C2	L7C3	L7C4
15	25	25	5	10	10	10

Evaluation	
Assessment Tool	Weight
Discussion & interaction	10%
Laboratory examinations	20%
Supervisors' evaluation	20%
Final exam	50%

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