

LABM 234 Special Topics/Techniques in Laboratory Medicine 2.0; 2 cr.

A course that provides theoretical knowledge in specialized topics including endocrinology, chromatography, toxicology, tumor markers, therapeutic drug monitoring, flowcytometry, molecular testing, advanced clinical microbiology, antimicrobial agents, blood banking and transfusion medicine, and total quality management.

LABM 235 Medical Mycology 1.0; 1 cr.

A course that covers the different kinds and types of fungi (yeast and mold). This course discusses their disease spectrum mode of infection, gross requirements, and cultural and non-cultural methods of identifications as well as antifungal drugs and susceptibility testing of fungi.

LABM 240 Clinical Microbiology 0.128; 4 cr.

Practical experience in clinical microbiology (aerobic and anaerobic bacteriology, mycobacteriology, mycology, and susceptibility testing). *Eight weeks. Prerequisites: MLSP 203 and MLSP 204.*

LABM 250 Clinical Parasitology and Urinalysis 0.64; 2 cr.

Practical experience in clinical microscopy pertaining to parasitology, urinalysis, and spermogram. *Four weeks. Prerequisite: MBIM 223.*

LABM 260 Serology 0.64; 2 cr.

Practical experience in clinical immunology and serodiagnostic techniques. *Four weeks. Prerequisite: MLSP 259.*

LABM 270 Blood Banking 0.64; 2 cr.

Practical experience in blood banking and transfusion medicine. *Four weeks. Prerequisite: MLSP 207.*

LABM 280 Cytogenetics, Molecular Diagnostics and Histotechniques 0.64; 2 cr.

Practical experience in reception, cytogenetics, and histotechniques. *Four weeks. Prerequisite: LABM 210.*

MBIM 223 Parasitology for MLS Students 39.39; 4 cr.

Second semester.

PHYL 246 Physiology for Nursing Degree Students and Undergraduates 48; 4 cr.

A course that outlines fundamental principles of human physiology and the mechanisms governing the function of different body organs. *Prerequisites: BIOC 246, BIOL 201 (or BIOL 210). Annually.*

Modes of Analysis	Languages (9)	Humanities (12)	Social Sciences (9)	Natural Sciences (14)	Quantitative Thought (3)	Major Courses
Lecture Course (9+12+9+14+3+33)	1. Required Arabic Course:(3) 2. Required English Courses: ENGL 203(3), 204(3)	1. PHIL 205 (3) 2. 3 electives (9)	1. HMPD 204(3) 2. HPCH 203(3) 3. Elective (3)	1. BIOL 201(4) 2. CHEM 208(3) 3. PHYL 246(4) 4. BIOC 255(3)	1. EPHD 203(3)	MLSP 201(3), 202(3), 203(3), 204(4), 207(2), 208(2), 259(1) LABM 201(2), 202(2), 210(2), 233(2), 234(2), 235(1) MBIM 223(4)
Lab (3+1+5)				1. BIOL 201(4) 2. CHEM 209(2)	1. EPHD 203(3)	MLSP 203(3), MLSP 204(4), MBIM 223(4)
Seminar (1)						MLSP 211(1)
Practical Training (20)						LABM 220(4), 230(4), 240(4), 250(2), 260(2), 270(2), 280(2)