

Medical lab science Course Catalogue and Program Modules

Yr/Sem	Module Name	Module Code	Module Type	Cr.H Rs	Module ECTS	Delivery
Yr I Sem I Yr I Sem II Yr II Before break Yr II After break	Communicative English Language Skills I	FLEn-M1011	General	3	5	Parallel
General Physics	Phys-M1011	General	3	5	Parallel	
General Psychology	Psyc-M1011	General	3	5	Parallel	
Mathematics for Natural Sciences	Math-M1011	General	3	5	Parallel	
Critical Thinking	LoCT-M1011	General	3	5	Parallel	
Geography of Ethiopia and the Horn	GeES-M1011	General	3	5	Parallel	
History of Ethiopia and the Horn	Hist-M1011	General	3	5	Parallel	
Physical Fitness	SpSc-M1011	General	P/F	Parallel		
Sem I	Semester	21	35			
Communicative English Language Skill II	FLEn-M1012	General	3	5	Parallel	
Social Anthropology	Anth-M1012	General	2	4	Parallel	
General Biology	Biol-M1012	General	3	5	Parallel	
Introduction to Emerging Technologies	EmTe-M1012	General	3	5	Parallel	
Moral and Civic Education	MCiE-M1012	General	2	4	Parallel	
General Chemistry	Chem-M1012	General	3	5	Parallel	
Basic to Medical Laboratory Science	MeLS-M1013	Core	5	8	Parallel	
Determinants of Health (SPH 1)	SPH-M1222	Supportive	3	5	Parallel	
Sem II	Semester	24	41			
Total ECTS year I	45	76				
Chemistry	Chem-M2232	Supportive	5	8	Parallel	
Biomedical Sciences	Biom-M2242	Supportive	12	20	Parallel	
Molecular Biology and Applied Genetics	MeLS-M2023	Core	4	7	Parallel	
Immunology and Serology	MeLS-M2033	Core	5	8	Parallel	
Total Semester I ECTS	Semester	26	43			
Medical Parasitology and Vector Biology	MeLS-M2043	Core	10	17	Parallel	
Urine and Body Fluid Analysis	MeLS-M2053	Core	4	7	Parallel	
Measurement of Health and Disease	SPH-M2252	Supportive	6	10	Parallel	
Clinical Laboratory Attachment I	MeLS-M2063	Core	4	7	Block	
Total Semester II ECTS	Semester	24	41			
Total ECTS of Year II	Year total	50	84			
Yr III Before break Yr III After break Yr IV Before break Yr IV Sem II						
Hematology and Immunohematology MeLS-M3073		Core	11	18	Parallel	
Medical Bacteriology and Public Health Microbiology	MeLS-M3083	Core	10	17	parallel	
Clinical Laboratory Attachment II	MeLS-M3093	Core	4	7	Block	
Total Semester I ECTS	Semester	25	42			
Clinical Chemistry and Toxin Analysis	MeLS-M3103	Core	10	17	Parallel	
Medical Virology	MeLS-M3113	Core	3	5	Parallel	
Instrumentation	MeLS-M3123	Core	2	3	Parallel	
Medical Mycology	MeLS-M3133	Core	3	5	Parallel	
Health Service Management and Policy (SPH 3)	SPH-M3262	Supportive	2	3	Parallel	
Community Based Training Program (CBTP)*	ComH-M3272	Supportive	3	5	Block	
Clinical Laboratory Attachment III	MeLS-3143	Core	3	5	Block	
Total semester II ECTS	26	43				
Total ECTS of Year III	Year total	51	85			

Quality Assurance in Medical Laboratory	MeLS-M4153	Core	2	3	Parallel	
Economics	Econ-M4151	General	3	5	Parallel	
Histopathology	MeLS-M4163	Core	2	3	Parallel	
Health Laboratory and Supply Chain Management	MeLS-M4173	Core	2	3	Parallel	
Research Methodology (SPH 4)	SPH-M4282	Supportive	2	3	Parallel	
Health Informatics	HIInf-M4421	General	2	3	Parallel	
Entrepreneurship	ENps-M 4441	General	2	3	Parallel	
Global Trends	GITr-M4451	General	2	3	Parallel	
Inclusiveness	SNIE- M4191	General	2	3	Parallel	
Advanced and Research Laboratory Attachment	MeLS-M4183	Core	1	2	Block	
Total Semester I ECTS	Semester	20	31			
Laboratory Internship	MeLS-M4193	Core	6	10	Block	
Student Research Project	MeLS-M4203	Core	2	3	Parallel	
Team Training Program (TTP)	ComH-M4292	Supportive	4	7	Block	
Comprehensive Examination	MeLS-M4213	Core	P/F	Block		
Exit exam	Core	P/F	Block			
Total semester II ECTS	Semester	12	20			
32	51					
178	296					