



AUM

(Foundation Year) Freshman Year

First Year			Fall Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	TC
1	0201101	General Biology (1)	3	3	0201107	DA
2	0201107	General Biology Lab	1	3	0201101	DA
3	0902101	General Chemistry (1)	3	3	**0902107	DA
4	0902107	General Chemistry (1) Lab	1	3	**0902101	DA
5	--	University Compulsory Requirement	3	3	--	UC
6	--	University Compulsory Requirement	3	3	--	UC
7	--	Free Elective	3	3	--	FE
8	--					
		Total	17	21		

First Year			Spring Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	TC
1	0902111	Organic Chemistry for Health Sciences	3	3	0902101	DA
2	0904103	Physics for Health Sciences	3	3	--	DA
3	0304131	Human Anatomy and Histology	3	3	0201101 + **0304136	FC
4	0304136	Human Anatomy and Histology Lab	1	3	**0304131	FC
5	0303111	Fundamentals of Nutrition	3	3	0201101	FC
6	--	University Compulsory Requirement	3	3		UC
7	--	University Elective Requirement	1	1		UE
		Total	17	19		

Sophomore Year

Second Year			Fall Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	T C
1	0903231	Statistics for Health Sciences	2	2	--	DA
2	0301222	Clinical Laboratory Orientation and Safety	2	2	0201101	DC
3	0301221	Human Physiology	3	3	0304131	FC
4	0301226	Human Physiology Lab	1	3	**0301221	FC
5	0304231	Basic Microbiology	3	3	0201101	FC
6	0301241	Basic Microbiology Lab	1	3	**0304231	DC
7	0301232	Biochemistry	3	3	0902111	FC
8		University Elective Requirement	3	3	--	UE
		Total	18	22		

Second Year			Spring Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	TC
		Department Elective	2	2		DE
2	0304213	Analytical Chemistry	3	3	0902101+ **0304218	FC
3	0304218	Analytical Chemistry Lab	1	3	**0304213	FC
4	0301252	Immunology	2	2	0304231	DC
5	0301233	Molecular genetics	3	3	0201101	DC
6	0301311	Histological Techniques	1	3	**304136	DC
7		University Elective Requirement	3	3	--	UE
8		University Elective Requirement	3	3	--	UE
9						
		Total	18	22		



AUM

Junior Year

Third Year			Fall Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	TC
1	0301356	Basic Hematology Lab	1	3	**0301351	DC
2	0301343	Medical Parasitology	2	2	0304231 + **0301348	DC
3	0301348	Medical Parasitology Lab	1	3	**0301343	DC
4	0301213	Pathophysiology	3	3	0301221	FC
5	0301351	Basic Hematology	3	3	0301221 + **0301356	DC
6	0301341	Clinical Microbiology (1)	2	2	0304231	DC
7	0301331	Clinical Biochemistry (1)	2	2	0301232 + **0301336	DC
8	0301336	Clinical Biochemistry (1) Lab	1	3	**0301331	DC
9	0301345	Molecular Diagnostics	2	2	0301233 + **0301349	DC
10	0301349	Molecular Diagnostics Lab	1	3	**0301345	DC
		Total	18	26		

Third Year			Spring Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	T C
1	0301353	Clinical Hematology	2	2	0301351 + **0301358	DC
2	0301344	Medical Virology	2	2	0304231	DC
3	0301326	Analysis of Body Fluids Lab	1	3	0304218	DC
4	0301332	Clinical Biochemistry (2)	2	2	0301331 + **0301337	DC
5	0301337	Clinical Biochemistry (2) Lab	1	3	**0301332	DC
6	0301342	Clinical Microbiology (2)	2	2	0301341 + **0301347	DC
7	0301347	Clinical Microbiology (2) Lab	1	3	**0301342	DC
8	0301358	Clinical Hematology Lab	1	3	**0301353	DC
9		University Elective Requirement	3	3	--	UE
10		Department Elective	2	2	--	DE
		Total	17	25		



Senior / Graduate Year

Fourth Year			Fall Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	T C
1	0301471	Biochemistry / Training*	3	9	Completion of 90 CH +0301332/0301337	DC
2	0301477	Clinical Microbiology/ Training *	2	6	Completion of 90CH +0301342+0301347	DC
3	0301476	Clinical Hematology/ Training *	2	6	Completion of 90 CH + 0301332	DC
4	0301451	Clinical Immunology and Serology	3	3	0301252 + **0301456	DC
5		University Compulsory Requirement	1	1		UC
6	0301456	Clinical Immunology and Serology Lab	1	3	**0301451	DC
7	0301411	Clinical Pathology	3	3	0301213	DC
8		University Compulsory Requirement	1	1	--	UC
		Total	16	32		

Fourth Year			Spring Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	T C
1	0301478	Immunology and Serology / Training *	2	6	Completion of 90 CH+0301451 +0301456	DC
2	0301475	Clinical Microscopy / Training *	1	3	Completion of 90 CH +0301321+0301326	DC
3	0301473	Blood Bank Laboratory / Training *	2	6	Completion of 90 CH +0301452+ +0301457	DC
4		University Compulsory Requirement	1	1		UC
5	0301452	Blood Bank-Immunoematology	3	3	0301353 + **0301457	DC
6	0301457	Blood Bank – Immunoematology Lab	1	3	**0301452	DC
7		Department Elective	2	2		DE
8		Free Elective	3	3		FE
9						
		Total	15	27		

* Clinical training in hospital laboratories: This is 12 credit hours practical laboratory training, which covers all specialty areas of a hospital medical laboratory, are divided on two semesters. Students eligible for training are those successfully completed 90 credit hours as in the curriculum. Students are neither allowed to have training outside Jordan. The Department will arrange for the training of the eligible students in approved hospitals.

Note: Summer Semester is optional (6 credit hours)



AUM

American University of Madaba

www.aum.edu.jo

Faculty of Health Sciences
Department of Medical Laboratories
Course Guidance Plan 2015 – 2016

Code of Colors:

University Compulsory Requirement 3 subjects * 3 cr.hr.

University Compulsory Requirement 3 subjects * 1 cr.hr.

University Elective Requirement 4 subjects * 3 cr.hr.

University Elective Requirement 1 subjects * 1 cr.hr.

Department Elective 3 subjects MEDICAL LABORATORY (6 credit hours)

Free Electives 2 subjects * 3 cr.hr.

Year	Semester	Credit	Total Contact
Year 1: Freshman	Fall Semester	17	21
	Spring Semester	17	19
Year 2: Sophomore	Fall Semester	18	22
	Spring Semester	18	22
Year 3: Junior	Fall Semester	18	26
	Spring Semester	17	25
Year 4: Senior / Graduate	Fall Semester	16	32
	Spring Semester	15	27
TOTAL		136	194

Types of Credit	
University Compulsory :	UC
University Electives :	UE
Faculty Compulsory :	FC
Free Electives :	FE
Department Compulsory :	DC
Department Electives :	DE
Department Ancillary :	DA