



AUM

**American University of Madaba**

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Faculty of Health Sciences  
Department of Pharmacy  
Course Guidance Plan

**Student Name:**  
**Registration No.:**

Course No	Course Title	Credit Hours	Result (Pass/Fail)
0900099	Remedial English Skills	3	
0900097	Remedial Arabic Skills	3	
0900096	Computer Literacy	3	
Total credit hours in AUM		Zero	

(Foundation Year) Freshman Year

First Year		Fall Semester				
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	Mark
1	0201101	General Biology (1)	3	3		
2	0902101	General Chemistry (1)	3	3	**902107	
3	902107	General Chemistry lab (1)	1	3	**902101	
4	903105	Mathematics and Biostatistics	3	3		
5	--	University Compulsory Requirement	3	3		
6	--	University Compulsory Requirement	3	3		
Total			16	18		

First Year		Spring Semester				
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	Mark
1	304161	Human Anatomy and Histology	3	3	201101	
2	304151	Pharmaceutical Organic Chemistry (1)	3	3	902101	
3	304150	Analytical Chemistry	2	2	902101+ **304156	
4	304156	Analytical Chemistry Lab	1	3	**304150	
5		University Compulsory Requirement	3	3		
6		University Elective Requirement	3	3		
Total			15	17		



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Sophomore Year

Second Year			Fall Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	Mark
1	301221	Human Physiology	3	3	304161	
2	304250	Pharmaceutical Organic Chemistry (2)	2	2	304151+ **304256	
3	304256	Pharmaceutical Organic Chemistry Lab (2)	1	3	**304250	
4	301232	Biochemistry	3	3	304151	
5	304251	Pharmaceutical Instrumental Analysis	2	2	304150+ **304257	
6	304257	Pharmaceutical Instrumental Analysis Lab	1	3	**304251	
7	304290	Physical Pharmacy	3	3	903105	
8	--	University Elective Requirement	3	3	-	
Total			18	22		

Second Year			Spring Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	Mark
1	304252	Pharmacognosy and Phytochemistry	3	3	304250+ **304258	
2	304258	Pharmacognosy and Phytochemistry Lab	1	3	**304252	
3	304253	Microbiology and Immunology	3	3	0201101	
4	304254	Pharmaceutics (1)	3	3	304290 + **304255	
5	304255	Pharmaceutics Lab (1)	1	3	**304254	
6	301213	Pathophysiology	3	3	301221	
7	--	University Elective Requirement	3	3		
Total			17	21		



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Junior Year

Third Year			Fall Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	Mark
1	304350	Medicinal Chemistry (1)	2	2	304250	
2	304360	Pharmacology (1)	3	3	301213	
3	304351	Pharmaceutical Microbiology	2	2	304253+ **304356	
4	304356	Pharmaceutical Microbiology Lab	1	3	**304351	
5	304352	Pharmaceutics (2)	3	3	304254 + **304357	
6	304357	Pharmaceutics Lab (2)	1	3	**304352	
7	304364	Clinical Biochemistry	2	2	301232	
8	--	University Elective Requirement	3	3		
		Total	17	21		

Third Year			Spring Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	Mark
1	304353	Medicinal Chemistry (2)	3	3	304350	
2	304361	Phytotherapy and Homoeopathic Remedies	2	2	304252	
3	304362	Pharmacology (2)	3	3	304360	
4	304363	Biopharmaceutics	2	2	304352	
5	304390	Cosmetics Preparations	2	2	304352	
6	304370	Pharmacy Ethics and Law	1	1	304360	
7	--	University Compulsory Requirement	1	1		
8		University Compulsory Requirement	1	1		
		Total	15	15		



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Senior Year

Fourth Year			Fall Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	Mark
1	304450	Medicinal Chemistry (3) / Chemotherapy	2	2	304353+ **304456	
2	304456	Medicinal Chemistry (3) Lab	1	3	**304450	
3	304460	Pharmacology (3)	3	3	304362	
4	304490	Industrial Pharmacy	2	2	304352	
5	304461	Pharmacokinetics	3	3	304363+ **304466	
6	304466	Case Studies in Pharmacokinetics	1	3	**304461	
7	304462	Clinical Nutrition	2	2	304364	
8	304463	OTC	1	1	304362	
9		University Compulsory Requirement	1	1		
		Total	16	20		

Fourth Year			Spring Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	Mark
1	304464	Therapeutics (1)	3	3	304460	
2	304491	Pharmaceutical Technology	2	2	304490+ 304496	
3	304496	Pharmaceutical Technology Lab	1	3	**304491+ 304491	
4	304465	Toxicology	2	2	304460	
5	304492	Pharmaceutical Biotechnology	2	2	304450	
6	304470	Pharmacoeconomics	2	2	304463	
7	--	Department Elective Requirement	3	3		
		Total	15	17		



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Fourth Year			Summer Semester			
	Course No	Course Title	CH	Contact Hours	PreRequisite / ** Concurrent	Mark
1	<b>304480</b>	Community Pharmacy Training	3	3	Completion of 99 credit hours	
	<b>304481</b>	Community Pharmacy Training	3	3	**304480	
		Total	6	1440		



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Graduate Year

Table with 7 columns: Fifth Year, Course No, Course Title, CH, Contact Hours, PreRequisite / Concurrent, Mark. Rows include Therapeutics (2), Therapeutics (2) Lab, Drug Delivery Systems, Pharmaceutical Promotion and Marketing, Department Elective Requirement, Free Elective, and a Total row.

Table with 7 columns: Fifth Year, Course No, Course Title, CH, Contact Hours, PreRequisite / Concurrent, Mark. Rows include Protein and Gene Therapy, Therapeutics (3), Clinical Pharmacy Practice, Patient Counseling, Pharmacogenetics, Pharmacovigilance, Department Elective Requirement, University Elective Requirement, and a Total row.

Code of Colors:

- University Compulsory Requirement 4 subjects \* 3 cr.hr.
University Compulsory Requirement 2 subjects \* 1 cr.hr.
University Compulsory Requirement 1 subjects \* zero cr.hr.
University Elective Requirement 5 subjects \* 3 cr.hr.
University Elective Requirement 2 subjects \* 1 cr.hr.

Department Elective 3 subjects Pharmacy (9 credit hours)



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Year	Semester	Credit	Total Contact
Year 1: Freshman	Fall Semester	17	21
	Spring Semester	17	21
Year 2: Sophomore	Fall Semester	18	22
	Spring Semester	12	16
Year 3: Junior	Fall Semester	15	22
	Spring Semester	18	24
Year 4: Senior	Fall Semester	15	21
	Spring Semester	16	20
	Summer Session	3	1440
Year 5: Graduate	Fall Semester	18	21
	Spring Semester	16	19
	<b>TOTAL</b>	<b>165</b>	<b>1648</b>