

Pharmacy Module Sequencing by Semester and Year

Year I Semester I

Module Code	Module Name	CourseCode	CourseTitle	Course Cr.	Mode	of	Duration	Lecture+ Tutorial I+
Hr (ECTS)	delivery	(hrs)	Lab p erweek(hrs)					
Enla-M 1014	EnglishLanguageSkills	Enla1011	CommunicativeEnglish Skill I	3(5)	Parallel	135	3+0+0	
Sshm-M 1024	Social Sciences	And	Psch 1021	General Psychology	3(5)	Parallel	135	2+1+0
Humanities	Phil1011	Logicand Critical Thinking	2(3)	Parallel	81	2+0+0		
GeES1011	Geography of Ethiopian &the Horn	3(5)	Parallel	135	3+0+0			
GITr1012	Global Trend	2(3)	Parallel	81	2+0+0			
Math 1011	Math forNatural Sciences	3(5)	Parallel	135	2+1+0			
Econ1012	Economics	3(5)	Parallel	135	3+0+0			
Phy 1012	General physics	3(5)	Parallel	135	3+0+0			
SpSc1011	PhysicalFitness	(P/F)	Parallel	96	*2 contact hours			
SemesterTotal	22Cr.Hr (36 ECTS)			972				

Year I Semester II*

Module Code	Module Name	Course	Course Title	Course	Mode	of	Dura	Lecture+ Tutorial+	L a b
Code	ECTS	delivery	Tion	per week(hrs)					
EnglishLanguageSkills	Enla1012	Communicative English Skill II	3(5)	Parallel	135	3+0+0			
Anth 1012	Social Anthropology	3(5)	Parallel	135	3+0+0				
Biom-M1033	Biomedical sciences-I	Anat1031	Human Anatomyand Histology	4(7)	Parallel	189	4+1+2		
Phyl1032	Human Physiology-I	3(5)	Parallel	135	3+1+0				
EmTc 1012	Introduction to Emerging technology	3(5)	Parallel	81	3+0+0				
SNIE 1012	Inclusiveness	2(3)	Paralle	81	2+0+0				
Chem-M1043	Chemistry module I	Chem1041	Organic chemistry	3(5)	Parallel	135	12+4+0		
Chem1042	Organic chemistry laboratory	1(2)	Parallel	54	0+0+16				
SemesterTotal	22 Cr.Hr.(37 ECTS)			945					

Year II Semester I*

Module Code	Module Name	Course	Course Title	Course	Mode of	Duration	Lecture+Tutorial+
Code	ECTS	delivery	Lab per week(hrs)				
Phar-M2081	Pharmacognosy and Alternative Medicine module-I	Phar2081	Chemistry of Natural Products	3(5)	Parallel	135	3+0+0
Biom –M2053	Biomedical Science – II module	Phyl2033	Human Physiology-II	3(5)	Parallel	135	3+1+0
		Mbio2051	Biochemistry-I	3(5)	Block	135	6+3+0
		Bioc2052	Biochemistry-II	3(5)	Block	135	8+3+0
Sshm-M 1024	Social Sciences	Hist.1012	History of Ethiopia & the Horn	3(5)		135	3+0+0
Biom-M2053	Biomedical science II	Path 2054	General pathology	3(5)	Parallele	135	8+3+0
Biom-M2053	Biomedical sciences II	Biom-M2053	Microbiology, Immunology and Parasitology	4(7)	Parallel	189	4+1+2
Phar –M2071	Introductory pharmacy	Phar 2071	Introduction to pharmacy	1(2)	Parallele	54	1+0+1
Phar-M2071	Introductory Pharmacy Module	Phar2072	Pharmaceutical calculations	1(2)	Parallel	54	8+3+0
SemesterTotal	24 Cr.Hr. (40ECTS)					1107	

Year II Semester II*

Module Code	Module Name	Course Code	Course Title	Course ECTS	Mode of delivery	Duration	Lecture+Tutorial+ Lab per week(hrs)
Phar-M2101	Pharmacology Module	Phar2101	Pharmacology-I	4(7)	Parallel	189	4+1+3
Phar-M2111	Medicinal Chemistry module	Phar2111	Medicinal chemistry-I	3(5)	Parallel	189	4+1+0
Phar-M2081	Pharmacognosy and Alternative Medicine module-II	Phar2082	Pharmacognosy	4(7)	Parallel	189	6+0+6
Phar-M2091	Dosageform Sciences module	Phar2091	Integrated physical pharmacyand pharmaceutics I	4(9)	Parallel	243	4+1+6
Phar-M2091	Dosage form Sciences module	Phar2092	Practical Integrated physical pharmacy-I and pharmaceutics-I	1(2)	Parallel	51	0+0+3
ComHM3063	Biostatistics and Epidemiology Module	ComH2061	Biostatistics	3(5)	Parallel	81	2+0+0
ComH2062	Epidemiology	2(3)	Parallel	81	2+0+0		
Semester Total	21 Cr.Hr.(38ECTS)					1023	

Year III Semester I*

Module	Module Name	Course Code	Course Title	Course	Mode of delivery	Duration	Lecture+Tutorial+
Code	Code			Lab per wk (hrs)			
Phar-M2101	Pharmacology Module	Phar3102	Pharmacology-II	4(7)	Parallel	189	4+1+3
Phar-M3111	Medicinal chemistry	Phar3112	Medicinal Chemistry II	3(5)	Parallel	135	3+1+0
Phar – M 4161	Pharmacotherapeutics	Intm 3161	Physical assessment	1(2)	Block	54	1+0+3
Phar-M4161	Pharmacotherapeutics Module	Phar3162	Integrated therapeutics-I	4(7)	Parallel	189	4+1+1
Phar-M3121	Pharmaceutical Analysis	Phar3121	Pharmaceutical analysis-I	4(7)	Parallel	189	4+1+3
Phar-M3092	Dosage form Sciences module	Phar3092	Integrated physical pharmacy And pharmaceuticals-II	4(9)	Parallel	243	4+1+6
Semester Total	20 Cr.Hr. (36 ECTS)					999	

Year III Semester II *

Module	Module Name	Course	Course Title	Course ESCT	Mode Of delivery	Duration	Lecture+Tutorial+
Code	Code	ECTS					
Phar – M4231	Pharmacognocny and alternative medicine II	Phar 3231	Complementary and alternative medicine	2(3)	Parallel	81	2+1+1
Phar – M3131	Pharmacology module II	Phar 3132	Clinical toxicology	2(3)	parallel	81	2+2+0
Phar-M4131	Pharmaceutical	Phar3131	Industrial pharmacy	4(7)	Parallel	189	4+0.5+3
Technology	Phar3132	Immunological and biological products		2(3)	Parallel	81	8+2+0
Phar-M4141	Social and Administrative Pharmacymodule	Phar3143	Medical supplies, equipment and reagents	1(2)	Parallel	54	8+1+0
Phar-M4161	Pharmacotherapeutics Module	Phar3162	Integrated therapeutics-II	4(7)	Parallel	189	4+1+1
Phar-M4121	Pharmaceutical Analysis	Phar3122	Pharmaceutical analysis-II	4(7)	Parallel	189	4+1+3
Phar – M3181	Social and administrative pharmacy	COMH 3181	Health service management and policy analysis	3(5)	Block	135	4+0+0
Phar-M4171	Pharmacy Module	Nurs3176	First aid	1(2)	Parallel	81	14+2+10
23 Cr.Hr. (39 ECTS)						1080	

Year IV Semester I*

Module Code	Module Name	Course	Course Title	Course	Mode	of	Dura t	Lecture +
Code	ECTS	Delivery	Ion	Tutorial+Lab				
per week(hrs)								
Phar-M4151	Biopharmaceutics	and	Phar4151	Biopharmaceutics and Clinical Pharmacokinetic s	4(7)	Paralle l	189	4+1+0
Clinical								
Pharmacokinetic s								
Phar 4211	Introduction to pharmacoeconomics	3(5)	Parallel	135	3+1+0			
Phar-M4161	Pharmacotherapeutic s Module	Phar416 3	Integrated therapeutics- III	4(7)	Paralle l	189	8+4+ 4	
Phar-M4171	Pharmacy practice Module	Phar417 1	Drug informatics	2(3)	Paralle l	81	2+1+ 1	
Phar4172	Communication	Skills	For	2(3)	Paralle l	81	2+1+ 1	
Pharmacists								
Phar4174	Pharmacy practice-I	3(5)	Parallel	135	3+1+3			
Phar – M4211	Social and administrative pharmacy	Phar 4214	Pharmaceutica l marketing and promotion	2(3)	Block	81	4+2+ 2	
Semester Total	20 Cr.Hr. (38 ECTS)	1026						

Year IV Semester II *

Module Code	Module Name	Course	Course Title	Course	Mode of	Duration	Lecture per week	
Code	ECTS	Delivery						
Phar-M4141	Social and Administrative pharmacy	Phar 4144	Pharmaceutical supply chain management	3(5)	Parallel	135	3+0+0	
Phar-M4161	Pharmacotherapeutics	Phar4164	Integrated therapeutics-IV	4(7)	Parallel	189	8+4+4	
Module								
Phar-M4171	Pharmacy	practice	Com-H4177	Nutrition	2(3)	Block	81	16+2+5
Module								
Phar-M4182	Professional	Elective	*	Professional elective course	3(5)	Parallel	189	4+1+1
Module								
Phar-M5211	Pharmaceutical Research	Phar4221	Research Methods	2(3)	Blocked	81	6+0	
Biom – M2053	Biomedical science II	Mgmt. 4012	Entrepreneurship	3(5)	Parallel	135	3+0+0	
Biom-M1033	Biomedical sciences-I	MCiE4012	Moral and Ethics	2(3)	Parallel	81	2+0+0	
Phar-M4171	Pharmacy practice Module	Phar4173	Pharmacy law and ethics	2(3)	Parallel	81	16+3+5	
21Cr.Hr. (34 ECTS)	972							

Year V Semester I and Year V Semester II

Final year attachment clerkship will be year-based. Student assessment will be made at the end of the year

Module code	Module title	Course Code	Course Title	Course ECTS*	Mode of delivery	Duration	Number of weeks
Phar-M5271	Pharmacy clerkship I	Phar5271	Ambulatory care clerkship	5	Parallel	135	3
Phar-M5271	Pharmacy clerkship I	Phar5272	Drug information service clerkship	3	Parallel	81	2
Phar-M5271	Pharmacy clerkship I	Phar5273	Internal medicine clerkship	7	Parallel	189	4
Phar-M5271	Pharmacy clerkship I	Phar5274	Hospital pharmacy clerkship	7	Parallel	189	4
Phar-M5281	Pharmacy clerkship II	Phar5281	Pediatric clerkship	7	Parallel	189	4
Phar-M5281	Pharmacy clerkship II	Phar5282	Gynecology, obstetrics and family planning clerkship	3	Parallel	81	2
Phar-M5281	Pharmacy clerkship II	Phar5283	Pharmaceutical Manufacturing clerkship	5	Parallel	135	3
Phar-M5281	Pharmacy clerkship II	Phar5284	Community pharmacy clerkship	5	Parallel	135	3
Phar-M5292	Professional elective clerkship	***	Elective attachment	5	Parallel	135	3
Phar-M5301	Pharmaceutical Research II	Phar5301	Directed study	5	Parallel	135	NA
ComHM5311	Team TrainingProgram	ComH5311	Team training program	7	Blocked	189	6
Phar-M5321	Comprehensive exit exam	Phar5321	Comprehensive exit exam	Non credit	Block	NA	3 weeks for preparation
Semester total	59 ECTS	1593	37**				