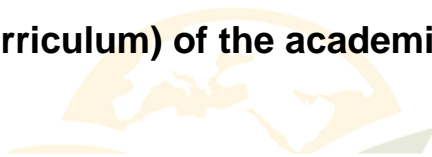# Study plan (Curriculum) of the academic program

Study plan (Curriculum) of the academic program.

1- Compulsory and Elective Courses

Courses	Type	Total of Credit Hours	Percentage from the total credit Hours in the study plan (%)
University	Compulsory	0	0%
	Elective	12	9.1%
College	Compulsory	2	1.5%
	Elective	4	3%
Department	Compulsory	77	58.3%
	Elective	4	3%
	Hospital practice	4	3%
Preparatory year		29	22 %
Free Courses		0	0%
Total Sum and Percentages		**132**	**100%**

2- Preparatory Year* Courses (If any):

First Semester

Course Code	Course Number	Course Title	Distribution of Credit Hours				Number & Code of Prerequisite	Number & Code of Co-requisite
			T	P	Tr	CrH		
PENG	111	English (1) for Preparatory Year	2	6	0	8		
PMTH	112	Introduction to Mathematics (1)	2	0	0	2		
PCOM	113	Computer Skills	1	1	0	2		
PSSC	114	Learning and Communication Skills	1	1	0	2		
Total			6	8	0	14		

Second Semester

Course Code	Course Number	Course Title	Distribution of Credit Hours				Number & Code of Prerequisite	Number & Code of Co-requisite
			T	P	Tr	CrH		
PENG	121	English (2) for Preparatory Year	2	4	0	6		
PENG	122	English for Medical Specialties	1	1	0	2		
PCHM	123	Introduction to Chemistry	1	1	0	2		

Course Code	Course Number	Course Title						
PPHS	124	Physics for Health Purposes	1	1	0	2		
PBIO	126	Biology Science	2	1	0	3		
Total			7	8	0	15		

* accounted within the credit hours for the academic program

3- University Courses

Course Code	Course Number	Course Title	The number of Credit Hours
Student select 3 courses (6 Credit hours)			
SALM	101	Introduction to Islamic culture	2
SALM	102	Islam and community-building	2
SALM	103	Economic System in Islam	2
SALM	104	The foundations of the political system in Islam	2
Student select 1 course (2 Credit hours)			
ARAB	101	Language skills	2
ARAB	102	Arabic writing	2
Student select 2 courses (4 Credit hours)			
SOCI	101	Contemporary societal issues	2
ENG	101	English	2
ENT	101	Entrepreneurship	2
FCH	101	Family and Children	2
HAF	101	Basics Health and Fitness	2
LHR	101	Regimes and human rights	2
VOW	101	Volunteering	2
Total			12

4- College Compulsory Courses

Course Code	Course Number	Course Title	The number of Credit Hours
CAMS	233	Introduction to Biostatisticis	2
Total			2

5- College Elective Courses

Course Code	Course Number	Course Title	The number of Credit Hours
Student select 2 courses (4 Credit hours)			
CAMS	232	Medical Terminology	2
CAMS	231	Emergency care	2
CAMS	234	The quality of health care	2

6- Department Compulsory Courses

Course Code	Course Number	Course Title	The number of Credit Hours
HIF	231	Basic Physiology	2
HIF	232	Fundamentals to Anatomy	2
HIF	233	Calculus	3
HIF	234	Introduction to Public Health Informatics	2
HIF	235	Introduction to Hospital System and Organization	2
HIF	236	Principles of nutrition	2
HIF	241	Quality improvement in health care	2
HIF	242	Healthcare database I	2
HIF	243	Epidemiology	2
HIF	244	Electronic Health Records	2
HIF	245	Applied Mathmatics	3
HIF	246	Disease Mapping and Surveillance	2
HIF	351	Linear algerbra	3
HIF	352	Healthcare database II	2
HIF	353	Public Health Policy and Society	2
HIF	354	Information Technology Governance	2
HIF	355	Healthcare billing and coding	2
HIF	356	Introduction to computer programing in healthcare	3
HIF	361	Survey of Disease and Treatment	2
HIF	362	Computer Applications in Hospital	2
HIF	363	Discrete Mathematics	2
HIF	364	Healthcare System Analysis and Design	2
HIF	365	Data Transmission and Computer networks	3
HIF	366	Healthcare Informatics	3
HIF	471	Research Methodology	3
HIF	472	Minor Project	3
HIF	474	Information System Application Development	3

HIF	475	Data Mining for Healthcare Management	3
HIF	481	Health Information Service Administration	3
HIF	482	Health Economics and Comparative Health System	2
HIF	484	Major Project	3
HIF	485	Data Security and Human Ethics	3
Total			77

7- Department Elective Courses: The student must choose 4 credit Hours from the following:

Course Code	Course Number	Course Title	The number of Credit Hours
HIF Elective Course at Level 7 The student must choose <u>2 credit</u> Hours from the following			
HIF	476	Image Processing	2
HIF	477	Clinical decision support system	2
HIF	478	Selected topics in health informatics I	2
HIF Elective Course at Level 8 The student must choose <u>2 credit</u> Hours from the following			
HIF	486	Artificial Intelligence	2
HIF	487	Clinical Trials	2
HIF	488	Selected topics in health informatics II	2

8- Free Courses

Course Code	Course Number	Course Title	The number of Credit Hours
Not applicable			

9- Training Courses

Course Code	Course Number	Course Title	The number of Credit Hours
HIF	473	Hospital Practice I	2
HIF	483	Hospital Practice II	2
Total			4

10-Distribution of courses at levels: *(T-Theory, P-Practice, Tr-Training CrH- Credit Hour)*

			First Level					
Course Code	**Course Number**	**Course Title**	**Distribution of Credit Hours**				**Number & Code of Prerequisite (Co-Requisite)**	**Name of Prerequisite (Co-Requisite)**
			T	**P**	**Tr**	**CrH**		
PENG	111	English (1) for Preparatory Year	2	6	0	8	------	------
PMTH	112	Introduction to Mathematics (1)	2	0	0	2	------	------
PCOM	113	Computer Skills	1	1	0	2	------	------
PSSC	114	Learning and Communication Skills	1	1	0	2	------	------
Total			6	8	0	14		

			Second Level					
Course Code	**Course Number**	**Course Title**	**Distribution of Credit Hours**				**Number & Code of Prerequisite (Co-Requisite)**	**Name of Prerequisite (Co-Requisite)**
			T	**P**	**Tr**	**CrH**		
PENG	121	English (2) for Preparatory Year	2	4	0	6	------	------
PENG	122	English for Medical Specialties	1	1	0	2	------	------
PCHM	123	Introduction to Chemistry	1	1	0	2	------	------
PPHS	124	Physics for Health Purposes	1	1	0	2	------	------
PBIO	126	Biology Science	2	1	0	3	------	------
Total			7	8	0	15		

			Third Level						
Course Code	Course Number	Course Title	Distribution of Credit Hours				Number & Code of Prerequisite (Co-Requisite)	Name of Prerequisite (Co-Requisite)
			T	P	Tr	CrH		
HIF	231	Basic Physiology	1	1	0	2	PBIO 126	Biology Science
HIF	232	Fundamentals to Anatomy	1	1	0	2	PBIO 126	Biology Science
HIF	233	Calculus	3	0	0	3	PMTH 112	Introduction to Mathematics
HIF	234	Introduction to Public Health Informatics	2	0	0	2	------	------
HIF	235	Introduction to Hospital System and Organization	2	0	0	2	------	------
HIF	236	Principles of nutrition	2	0	0	2	------	------
CAMS	233	Biostatistics	2	0	0	2	------	------
MU1	MU***	MU Elective Course	2	0	0	2	------	------
Total			**15**	**2**	**0**	**17**		

			Fourth Level					
Course Code	Course Number	Course Title	Distribution of Credit Hours				Number & Code of Prerequisite (Co-Requisite)	Name of Prerequisite (Co-Requisite)
			T	P	Tr	CrH		
HIF	241	Quality improvement in health care	2	0	0	2	------	------
HIF	242	Healthcare database I	1	1	0	2	------	------
HIF	243	Epidemiology	2	0	0	2	HIF 234	Introduction to Public health
HIF	244	Electronic Health Records	1	1	0	2	HIF 235	Introduction to System and Hospital Organization
HIF	245	Applied Mathmatics	3	0	0	3	HIF 233	Calculus
HIF	246	Disease Mapping and Surveillance	1	1	0	2	------	------
MU2	MU***	MU Elective Course	2	0	0	2	------	------
CAMS	***	College Elective Course	2	0	0	2	------	------
Total			**14**	**3**	**0**	**17**		

			Fifth Level					
Course Code	Course Number	Course Title	Distribution of Credit Hours				Number & Code of Prerequisite (Co-Requisite)	Name of Prerequisite (Co-Requisite)
			T	P	Tr	CrH		
HIF	351	Linear algerbra	3	0	0	3	HIF 245	Applied Mathmatics
HIF	352	Healthcare database II	1	1	0	2	HIF 242	Healthcare database I
HIF	353	Public Health Policy and Society	2	0	0	2	HIF 235	Introduction to Hospital System and Organization
HIF	354	Information Technology Governance	1	1	0	2	HIF 244	Electronic Health Records
HIF	355	Healthcare billing and coding	1	1	0	2	HIF 241	Quality improvement in health care
HIF	356	Introduction to computer programing in healthcare	2	1	0	3	------	------
MU3	***MU	MU Elective Course	2	0	0	2	------	------
CAMS	*****	College Elective Course	2	0	0	2	------	------
Total			**14**	**4**	**0**	**18**		

			Sixth Level					
Course Code	Course Number	Course Title	Distribution of Credit Hours				Number & Code of Prerequisite (Co-Requisite)	Name of Prerequisite (Co-Requisite)
			T	P	Tr	CrH		
HIF	361	Survey of Disease and Treatment	2	0	0	2	HIF 246	Disease Mapping and Surveillance
HIF	362	Computer Applications in Hospital	1	1	0	2	HIF 356	Introduction to Computer Programing in Healthcare
HIF	363	Discrete Mathematics	2	0	0	2	HIF 351	Linear algerbra
HIF	364	Healthcare System Analysis and Design	1	1	0	2	HIF 355	Healthcare billing and coding
HIF	365	Data Transmission and Computer networks	2	1	0	3	HIF 356	Introduction to computer programing in healthcare
HIF	366	Healthcare Informatics	2	1	0	3	HIF 354	Information Technology Governance
MU4	MU***	MU Elective Course	2	0	0	2	------	------
MU5	MU***	MU Elective Course	2	0	0	2	------	------
Total			**14**	**4**	**0**	**18**		

Seventh Level								
Course Code	Course Number	Course Title	Distribution of Credit Hours				Number & Code of Prerequisite (Co-Requisite)	Name of Prerequisite (Co-Requisite)
			T	P	Tr	CrH		
HIF	471	Research Methodology	1	2	0	3	------	------
HIF	472	Minor Project	0	3	0	3	------	------
HIF	473	Hospital Practice I	0	0	2	2	------	------
HIF	474	Information System Application Development	2	1	0	3	HIF 366	Healthcare Informatics
HIF	475	Data Mining for Healthcare Management	2	1	0	3	HIF 366	Healthcare Informatics
HIF	47*	HIF Elective Course	1	1	0	2	------	------
MU6	MU***	MU Elective Course	2	0	0	2	------	------
Total			8	8	2	18		

Eighth Level								
Course Code	Course Number	Course Title	Distribution of Credit Hours				Number & Code of Prerequisite (Co-Requisite)	Name of Prerequisite (Co-Requisite)
			T	P	Tr	CrH		
HIF	481	Health Information Service Administration	2	1	0	3	HIF 475	Data Mining for Healthcare Management
HIF	482	Health Economics and Comparative Health System	2	0	0	2	HIF 474	Information System Application Development
HIF	483	Hospital Practice II	0	0	2	2	HIF 473	Hospital Practice I
HIF	484	Major Project	0	3	0	3	HIF 472	Minor Project
HIF	485	Data Security and Human Ethics	2	1	0	3	HIF 475	Data Mining for Healthcare Management
HIF	48*	HIF Elective Course	1	1	0	2	------	------
Total			7	6	2	15		