

1. Program Structure:

No	Requirements	No. of Courses	Credit Hours	Rational Weight %
1	University Requirements	Compulsory	5	6.1%
		Elective	-	
2	Basic Requirements	Compulsory	-	
		Elective	-	
3	Faculty Requirements	Compulsory	4	3.7%
		Elective	-	
4	Department Requirements	Compulsory		
		Elective		
5	Program Requirements	Compulsory	27	50.2%
		Elective	-	
6	Field Training	Compulsory	17	38.4%
		Elective	-	
[7]	Project Courses	Compulsory	1	1.6%
		Elective	-	
	Total:		53	100%

University Requirements

Compulsory Courses (5 course/ 15 Hrs)

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	P	T	Prerequisites, Co-requisites
1.	1/1	A21U111	Islamic culture	ثقافة إسلامية	2	2	0	0	NONE
2.	1/1	A21U113	English Language 1	لغة انجليزية	4	4	4	0	NONE
3.	1/1	A21U114	Arabic Language 1	لغة عربية	4	2	0	0	NONE
4.	1/1	A21U115	Computer Skills	مهارات الحاسوب	3	2	2	0	NONE
5.	1/1	A21U112	Medical Physics	فيزياء طبية	2	2	0	0	NONE
Total					15	14	6	0	

Faculty Requirements

Compulsory Courses (4 courses/ 9 Hrs)

No.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	P	T	Prerequisites, Co-requisites
1	1/2	A21F123	Medical Terminology	مصطلحات طبية	2	2	0	0	English Language 1&2
2	1/1	A21F119	Medical Ethics	اخلاقيات الطب	2	2	0	0	NONE
3	1/1	A21F117	Communication Skills	مهارات التواصل	2	2	0	0	NONE
4	1/1	A21F118	Fundamental of Nursing	اساسيات التمريض	3	2	2	0	NONE
Total					9	8	2	0	

Program Major

Compulsory Courses (27 course / 123 Hrs)

N o.	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	P	T	Prerequisites, Co-requisites
1	1/1	A21P116	Community medicine	طب مجتمع	3	3	0	0	NONE
2	1/1	A21P129	Introduction to Cell Biology and Histology	مقدمة في علم الخلية والأنسجة العام	3	2	2	0	NONE
3	1/1	A21P125	Introduction to Anatomy & Embryology	مقدمة في علم التشريح والأجنة	5	4	2	0	Introduction to Cell Biology and Histology
4	1/1	A21P126	Introduction to Physiology	مقدمة في علم وظائف الأعضاء	3	3	0	0	NONE
5	1/2	A21P127	Introduction to Pathology	مقدمة في علم الأمراض	3	2	2	0	Introduction to Physiology, Introduction to Anatomy & Embryology
6	1/1	A21P128	Biochemistry 1	كيمياء الحيوية 1	3	2	2	0	NONE
7	1/2	A21P211	Introduction to Microbiology	مقدمة في علم الاحياء الدقيقة الطبية	3	2	2	0	
8	1/2	A21P212	Introduction to Pharmacology	مقدمة في علم الأدوية العام	3	2	2	0	Physiology and Biochemistry1
9	2/1	A21P213	Molecular Biology & Genetics	علم الاحياء الجزيئية والوراثة	2	2	0	0	
10	1/2	A21P214	Medical Parasitology	علم الطفيليات الطبية	3	2	2	0	Introduction to Microbiology
11	1/2	A21P215	Immunology	مناعة	3	2	2	0	Physiology Molecular

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									Biology & Genetics
12	2/1	A21P216	Musculo-skeletal System	الجهاز الهيكلي العضلي	8	6	4	0	Physiology , Biochemistry1, Anatomy Cell biology Histology , Pathology and Pharmacology
13	2/2	A21P221	Haemato-lymphatic System	جهاز الدم واللمف	5	4	2	0	Physiology , Biochemistry1, Anatomy Histology , Pathology and Pharmacology.
14	2/2	A21P222	Respiratory System	الجهاز التنفسي	8	6	4	0	Physiology , Biochemistry1, Anatomy Histology , Pathology and Pharmacology.
15	2/2	A21P223	Cardiovascular System	الجهاز الدوري القلبي	8	6	4	0	Physiology , Biochemistry1, Anatomy Histology , Pathology and Pharmacology
16	2/2	A21P224	Nutrition	التغذية	3	2	2	0	Biochemistry1
17	2/2	A21P225	Medical Biostatistics (CM II)	الاحصاء الطبي	2	2	0	0	Community Medicine I
18	3/1	A21P311	Health Management (CM III)	إدارة صحية	2	2	0	0	Community Medicine I&2
19	3/1	A21P312	Gastro-intestinal system	الجهاز الهضمي	13	6	4	0	Physiology , Biochemistry1, Anatomy Histology , Pathology and Pharmacology
20	3/1	A21P313	Genito-Urinary System	الجهاز البولي والتناسلي	8	6	4	0	Physiology , Biochemistry1, Anatomy Histology , Pathology and Pharmacology
21	3/1	A21P314	Research Methodology	مناهج البحث العلمي	2	2	0	0	Community Medicine 1,2,3
22	3/2	A21P321	Endocrine System	جهاز الغدد الصماء	8	6	4	0	Physiology , Biochemistry, Anatomy Histology , Pathology and Pharmacology

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23	3/2	A21P322	Central nervous System	الجهاز العصبي المركزي	10	8	4	0	Physiology , Biochemistry, Anatomy Histology , Pathology and Pharmacology
24	3/2	A21P324	public Health&Epidemiology(CMIV)	وبائيات وصحة عامة	4	3	3	0	Community Medicine 1,2,3
25	4/1	A21P414	Forensic Medicine & Clinical Toxicology	الطب الشرعي والسموم	3	2	3	0	All systems
26	1/2	A21P323	Biochemistry 2	كيمياء الحيوية 2	3	2	2	0	Biochemistry1
27	3/1	A21P124	General Chemistry	كيمياء عامة	2	2	2	0	
Total					123	91	58		

Field Attachments and Training (16 Block / 94 hrs)									
No.	Level-Sem.	Block Code	Block Name	اسم البلاك	Cr. Hrs.	L	P	T	Prerequisites, Co-requisites
1	4/1	A21P411	Obstetrics&Gynecology I	نساء وتوليد I	8	4	12	0	All systems
2	4/1	A21P412	Pediatrics I	طب الأطفال I	8	4	12	0	All systems
3	5/1	A21P413	Diagnostic Radiology	اشعة تشخيصية	3	2	3	0	All systems
4	4/2	A21P421	Internal Medicine I	باطنة عامة I	13	8	15	0	All systems
5	4/2	A21P422	General Surgery I	جراحة عامة I	13	8	15	0	All systems
6	5/2	A21P424	Anesthesia	التخدير	3	2	3	0	All systems
7	5/1	A21P511	Otorhino-laryngology (ENT)	انف، اذن وحنجرة	3	2	3	0	Introduction to Pharmacology, All System , All clinical Subjects
8	5/1	A21P512	Psychiatry	الطب النفسي	3	2	3	0	Behavior sciences
9	5/1	A21P513	Ophthalmology	العيون	3	2	3	0	Introduction to Pharmacology,
10	5/1	A21P514	Neurosurgery	الجراحة العصبية	3	2	3	0	All System , All clinical Subjects
11	5/1	A21P516	Dermatology	امراض جلدية	3	2	3	0	All systems Microbiology, Parasitology, Immunology
12	5/1	A21P517	Orthopedics	جراحة العظام	3	2	3	0	Musculo-skeletal System

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Specifications

13	5/2	A21P521	Internal Medicine II	باطنة عامة II	8	4	12	0	Internal Medicine 1
14	5/2	A21P522	General Surgery II	جراحة عامه II	8	4	12	0	General Surgery 1
15	5/2	A21P523	Obstetrics & Gynecology II	نساء وتوليد II	6	4	6	0	Obstetrics & Gynecology I
16	5/2	A21P524	Pediatrics II	طب الأطفال II	6	4	6	0	Pediatrics 1
16 Course					94	56	114		

Project Work Courses (1 courses/ 4 Cr.Hrs)									
No	Level-Sem.	Course Code	Course Name	اسم المقرر	Cr. Hrs.	L	P	T	Prerequisites, Co-requisites
1	5/2	A21P525	Graduation Research(CM IV)	بحث التخرج	4	0	0	12	Research Methodology
Total					4	0	0	12	

* L= lecture ** T=tutorial/seminar, *** P= lab/workshop/training/clinical(2hrs= lab training – 3hrs= clinical training in hospital

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16. Study Plan: Total Credit Hours =245 C.H

Level 1

No.	Courses Name	Course Code	Courses Name	اسم المقرر	NO W	Cr · Hr s.	L	P	T	Prerequisites, Co-requisites
1	foundations 1	A21U111	Islamic culture	ثقافة إسلامية	16	2	2	0	0	NONE
		A21U113	English Language	اللغة الانجليزية		4	4	4	0	NONE
		A21U114	Arabic Language	اللغة العربية		4	4	0	0	NONE
		A21F118	Fundamental of Nursing	اساسيات التمريض		3	2	2		NONE
		A21U115	Computer Skills	مهارات الحاسوب		3	2	2	0	NONE
		A21F123	Medical Terminology	مصطلحات طبية		2	2	0	0	English Language 1&2
		A21U112	Medical Physics	فيزياء طبية		2	2	0	0	
		A21F 117	Communication Skills	مهارات التواصل		2	2	0	0	NONE
		A21P129	Introduction to Cell Biology and Histology	مقدمة في علم الخلية والانسجة العام		3	2	2	0	NONE
		A21P125	Introduction to Anatomy & Embryology	مقدمة في علم التشريح والاجنة		5	4	2	0	Introduction to Cell Biology and Histology
		A21P124	General Chemistry	كيمياء عامة		2	2	0	0	
		A21P126	Introduction to Physiology	مقدمة في علم وظائف الأعضاء		3	3	0	0	NONE
		A21P224	Nutrition	التغذية		3	2	2	0	
		A21P128	Biochemistry(1)	كيمياء حيوية (1)		3	2	2	0	NONE
		A21F 119	Medical Ethics	اخلاقيات الطب		2	2	0	0	NONE
Total					16	43	37	16	0	

LEVEL 2										
No.	Courses Name	Course Code	Courses Name	اسم المقرر	NO W	Cr . Hr s.	L	P	T	Prerequisites, Co-requisites
1	Introduction to Medical Applied Sciences	A21P211	Medical Microbiology	علم الاحياء الدقيقة الطبية	16	3	2	2	0	
		A21P127	Introduction to Pathology	مقدمة في علم الأمراض		3	2	2	0	
		A21P212	Introduction to Pharmacology	مقدمة في علم الأدوية		3	2	2	0	Physiology and Biochemistry
		A21P214	Medical Parasitology	علم الطفيليات الطبية		3	2	2	0	Introduction to Microbiology
		A21P323	Biochemistry 2	كيمياء حيوية 2		3	2	2	0	All systems
		A21P213	Molecular Biology & Genetics	علم الاحياء الجزيئية والوراثة		2	2	0	0	A21P213
		A21P216	Musculo-skeletal System	الجهاز الهيكلي العضلي		8	8	6	4	Physiology , Biochemistry1, Anatomy Cell biology Histology , Pathology and Pharmacology
		A21P215	Immunology	مناعة		3	2	2	0	Physiology Molecular Biology & Genetics
2	foundations 2	A21P116	Community medicine (CMI)	طب مجتمع		3	3	0	0	NONE
		A21P225	Medical Biostatistics(CM II)	الاحصاء الطبي		2	2	0	0	Community Medicine I
Total					16	33	27	18	0	

Level 3										
No .	Courses Name	Course Code	Courses Name	اسم المقرر	NO W	Cr. Hr s.	L	P	T	Prerequisites, Co-requisites
1	Genito-Urinary System	A21P313	Genito-Urinary System	الجهاز البولي والتناسلي	9	8	6	4	0	Physiology , Biochemistry, Anatomy Histology , Pathology and Pharmacology
2	Gastro-intestinal system	A21P312	Gastro-intestinal system	الجهاز الهضمي	8	13	9	8	0	Physiology , Biochemistry, Anatomy Histology , Pathology and Pharmacology
3	Endocrine System	A21P321	Endocrine System	جهاز الغدد الصماء	7	8	6	4	0	Physiology , Biochemistry, Anatomy Histology , Pathology and Pharmacology
4	Haemato-lymphatic System	A21P221	Haemato-lymphatic System	جهاز الدم واللمف	7	5	4	2	0	Physiology , Biochemistry, Anatomy Histology , Pathology and Pharmacology.
5	Central nervous System	A21P322	Central nervous System	الجهاز العصبي المركزي	9	10	8	4	0	Physiology , Biochemistry, Anatomy Histology , Pathology and Pharmacology
6	Respiratory System.	A21P222	Respiratory System	الجهاز التنفسي	8	8	6	4	0	Physiology , Biochemistry, Anatomy Histology , Pathology and Pharmacology.
7	Cardiovascular System	A21P223	Cardiovascular System	الجهاز الدوري القلبي	8	8	6	4	0	Physiology , Biochemistry, Anatomy Histology , Pathology and Pharmacology
Total						60	45	30	0	

Level 4									
No.	Course Code	Course Name	اسم المقرر	NO W	Cr. Hrs.	L	P	T	Prerequisites, Co-requisites
1	A21P421	Internal Medicine I	Iباطنة عامة	8	13	6	12	0	All systems
2	A21P422	General Surgery I	Iجراحة عامة	8	13	6	12	0	All systems
3	A21P411	Obstetrics & Gynecology I	Iإنساء وتوليد	7	8	4	12	0	All systems
4	A21P412	Pediatrics I	Iطب الأطفال	7	8	4	12	0	All systems
5	A21P414	Forensic & Clinical Toxicology	Iالطب الشرعي والسموم	2	3	2	3	0	All systems
Total					45	22	51	0	

Level 5									
No.	Course Code	Course Name	اسم المقرر	NO W	Cr. Hrs.	L	P	T	Prerequisites, Co-requisites
1	A21P516	Dermatology	امراض جلدية	-	3	2	3	0	All systems Microbiology, Parasitology, Immunology
2	A21P511	Otorhino-laryngology (ENT)	انف، اذن وحنجرة	-	3	2	3	0	Introduction to Pharmacology, All System , All clinical Subjects
3	A21P514	Neurosurgery	الجراحة العصبية	-	3	2	3	0	All System , All clinical Subjects
4	A21P512	Psychiatry	الطب النفسي	-	3	2	3	0	Behavior sciences
5	A21P517	Orthopedics	جراحة العظام	-	3	2	3	0	Musculo-skeletal System
6	A21P513	Ophthalmology	العيون	-	3	2	3	0	Introduction to Pharmacology,
7	A21P424	Anesthesia	التخدير	-	3	2	3	0	All systems
8	A21P413	Diagnostic Radiology	اشعة تشخيصية	-	3	2	3	0	All systems
9	A21P314	Research Methodology	مناهج البحث العلمي		2	2	0	0	Community Medicine 1,2,3
10	A21P324	public health&Epidemiology(CM III)	وبائيات وصحة عامة		4	3	3	0	Community Medicine 1,2,3
Total					30	21	27	0	

Level 6									
No.	Course Code	Course Name	اسم المقرر	NO W	Cr. Hrs.	L	P	T	Prerequisites, Co-requisites
1	A21P521	Internal Medicine II	باطنة عامة II	8	8	4	12	0	Internal Medicine I,II,III
2	A21P522	General Surgery II	جراحة عامه II	8	8	6	15	0	General Surgery I,II,III
3	A21P525	Graduation Research(CM IV)	بحث التخرج	-	4	0	0	12	Research Methodology
4	A21P524	Pediatrics II	طب الأطفال II	8	6	4	6	0	Pediatrics I,II,III
5	A21P523	Obstetrics & gynecology II	نساء وتوليد II	8	6	4	6	0	Obstetrics &Gynecology I,II,III
6	A21P311	Health Management(CM II)	إدارة صحية	-	2	2	0	0	Community Medicine I&2
Total					34	20	39	12	

Level		University Requirements		Faculty Requirements		Program Requirements		Training		Project		Total Cr. Hrs.		Total Cr. Hrs./ Level
		No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	No. of Courses	Credit Hours	
First		5	15	4	9	6	19					15	43	43
Second						10	33					10	33	33
Third						7	60					7	60	60
Fourth						1	3	4	42			5	45	45
Fifth						2	6	8	24			10	30	30
Sixth						1	2	4	28			5	30	34
											1			
Total:		5	15	4	9	27	123	16	94	1	4	53	245	245
Percentage:		6.1%		3.7%		50.2%		38.4%		1.6%		100%		

2. Admission Requirements:

1. Admissions to the program shall be made as per the admission rules set by the Ministry of Higher Education and Scientific Research as well as 21 Sep. University admission guidelines.
2. General Secondary school certificate (Science Section) or any equivalent certificate with grade as specified in the admission rules made by Ministry of Higher Education and Scientific Research.
3. Pass the aptitude test and personal interview if any.
4. Any necessary requirement for specialization, decided by the Faculty.

3. Attendance and Graduation Requirements:

1. Student attendance should not be less than 75%.
2. Student will graduate after successfully passing all program requirements.
3. Total credit hours for the program is 242 credit hours.
4. Minimum score for any student to pass any credit hours course is **65%** marks.

4. Grading System:

From 90% to 100% of total marks	Excellent
From 80% to less than 90%	Very Good
From 70% to less than 80%	Good
From 65% to less than 70%	Pass
Less than 65%	Poor/Fail

5. Facilities Required for Running the Program:

1. Sufficient Classrooms furnished with all necessary pieces and equipment.
2. Labs as per the course's specifications.
3. Computer Labs.
4. Academic and administrative staff offices.

6. Program Assessment:

Type of the Sample who Assess the program		Instruments used	Sample
1	Final year assessment	Questionnaire	Random
2	External examiner evaluation	Questionnaire	-Graduate Club - By Email
3	Graduated student evaluation	Reports	External University
4	External evaluator	Reports	External University
5	Council for Accreditation and Quality Assurance in Yemen	Reports	Review by team work

7. Program Quality Standards:

- Continuous evaluation
- Workshops

8. Internal and external training to satisfy program standards::

- Internally :- training in well-equipped labs
- Externally :-Training in hospital controlled by logbook

