

KING FAISAL UNIVERSITY

College of Applied Medical Sciences

Bachelor of Science in Health Informatics (BSHI) Study Plan

First Semester

Code	Course	Type	Total Course Credit	Hours				Pre- requisite (s)
				Credits		Contact/Week		
				Class	Lab/ Clinical	Class	Lab/ Clinical	
3100206	Anatomy and Physiology I	CCR	3	2	1	2	2	-
3100103	Chemistry for Health Sciences	CCR	3	2	1	2	2	-
3100110	Academic Writing 1	CCR	3	3	-	3	-	-
3100111	Biostatistics for Health Sciences	CCR	3	2	1	2	1	-
3100110	Medical Terminology	CCR	3	3	-	3	-	-
3100012	Computer Application in Health Sciences	CCR	3	2	1	2	2	-
Total Semester Credit Hours			18					

CUR – Compulsory University Requirement

CCR- Compulsory College Requirement

HIDR- Health Informatics Department Requirement

Second Semester

Code	Course	Type	Total	Hours				Pre-requisite (s)
			Course Credit	Credits		Contact/Week		
				Class	Lab/ Clinical	Class	Lab/ Clinical	
3100108	Psychology for Health Sciences	CCR	3	3	-	3	-	3100110
3100103	Principles of Epidemiology	CCR	3	3	-	3	-	-
3100104	Anatomy and Physiology II	CCR	3	2	1	2	2	3100206
3100301	Man, Health, & Environment	CCR	3	3	-	3	-	
3100109	Academic Writing 2	CCR	3	3	-	3	-	3100110
3102202	Microbiology for Health Sciences	CCR	3	2	1	2	2	31000128
Total Semester Credit Hours			18					

CUR – Compulsory University Requirement

CCR- Compulsory College Requirement

HIDR- Health Informatics Department Requirement

Third Semester

Code	Course	Type	Total Course Credit	Hours				Pre- requisite (s)
				Credits		Contact/Week		
				Class	Lab/ Clinical	Class	Lab/ Clinical	
0912111	Fundamentals of Information Systems	HIDR	3	3		3		-
3103111	Introduction to Health Informatics	HIDR	3	3		3		
0921129	Foundations of Programming	HIDR	3	2	1	2	2	
3103214	Clinical Decision Support Systems	HIDR	3	2	1	2	1	
3103215	Healthcare Research Methods and Analysis	HIDR	3	2	1	2	2	1031103
Total Semester Credit Hours			15					

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HIDR- Health Informatics Department Requirement

Fourth Semester

Code	Course	Type	Total Course Credit	Hours				Pre- requisite (s)
				Credits		Contact/Week		
				Class	Lab/ Clinical	Class	Lab/ Clinical	
7401101	Islamic Faith and Contemporary Doctrines	CUR	2	2	-	2	-	-
3103112	Electronic Health Records	HIDR	3	2	1	2	2	0921129 3103111
0921219	Object-Oriented Programming Application in Healthcare	HIDR	3	2	1	2	2	0921129
3103213	Medical Coding and Billing	HIDR	3	2	1	2	2	3103 111, 3103 112
3103216	Financial Management for Healthcare	HIDR	3	3		3		3103111
Total Semester Credit Hours			14					

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HIDR- Health Informatics Department Requirement

Fifth Semester

Code	Course	Type	Total Course Credit	Hours				Pre- requisite (s)
				Credits		Contact/Week		
				Class	Lab/ Clinical	Class	Lab/ Clinical	
3103312	Health Communications	HIDR	3	3		3		3101301
3103244	Database System and Application in Health Care	HIDR	3	2	1	2	2	0921219
3103243	Healthcare Information Systems Analysis and Design	HIDR	3	2	1	2	2	0921219
7401418 7401401 7401317 7401318 7401302 7401102	Elective University Requirement 1	EUR	2	2	-	2	-	
3103315	Telehealth and Telemedicine	HIDR	3	2	1	2	2	3103213 3103111
Total Semester Credit Hours			14					-

CUR – Compulsory University Requirement

CCR- Compulsory College Requirement

HIDR- Health Informatics Department Requirement

Sixth Semester

Code	Course	Type	Total Course Credit	Hours				Pre- requisite (s)
				Credits		Contact/Week		
				Class	Lab/ Clinical	Class	Lab/ Clinical	
3103314	Public Health Informatics	HIDR	3	3		3		3103111 3103213
0922419	Human Computer Interaction in Healthcare	HIDR	3	2	1	2	2	3103111
0924219	Computer Networks	HIDR	3	2	1	2	2	3103243 3103244
0922329	Health Informatics Project Management	HIDR	3	2	1	2	2	3103243 3103244
0607498	E-Commerce	HIDR	3	2	1	2	2	3103111 3103213
Total Semester Credit Hours			15					

CUR – Compulsory University Requirement

CCR- Compulsory College Requirement

HIDR- Health Informatics Department Requirement

Seventh Semester

Code	Course	Type	Total Course Credit	Hours				Pre- requisite (s)
				Credits		Contact/Week		
				Class	Lab/ Clinical	Class	Lab/ Clinical	
0922319	Web Technologies	HIDR	3	2	1	2	2	0921219
3103409	Health Care Information Security and Policies	HIDR	3	2	1	2	2	3103243
7401418 7401401 7401317 7401318 7401302 7401102	Elective University Requirement 2	EUR	2	2	-	2	-	
3103113	Health Policy and Saudi Health Care System	HIDR	3	3	-	3	-	3103214
3103316	E-Health	HIDR	3	2	1	2	2	3103213 3103314
Total Semester Credit Hours			14					

CUR – Compulsory University Requirement

CCR- Compulsory College Requirement

HIDR- Health Informatics Department Requirement

Eight Semester

Code	Course	Type	Total Course Credit	Hours				Pre- requisite (s)
				Credits		Contact/Week		
				Class	Lab/ Clinical	Class	Lab/ Clinical	
3103414	Mobile Health	HIDR	3	2	1	2	2	3103361
3101415	Health Care Data Analytics, Business Intelligence Tools and Applications	HIDR	3	3		3		3103244
3103416	Data Mining and Data Warehousing with Application in Health Care	HIDR	3	2	1	2	2	0924219
3103417	Information Technology in the Health Care System of the Future	HIDR	3	3		3		3103214
1900102	Islamic Culture	CUR	2	2	-	2		
Total Semester Credit Hours			14					

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HIDR- Health Informatics Department Requirement

One-Year Internship Training

Code	Course	Type	Total Course Credit	Hours				Pre-requisite (s)
				Credits		Contact/Week		
				Class	Lab/ Clinical	Class	Lab/ Clinical	
3103500	Field Experience/Internship		0		0		40	Levels 1-8 courses
Total Credit Hours			0					