

Current Tri semester Study Plan for Bachelor Program of Health Informatics
College of Public Health and Tropical Medicine

First Year							
Level 1							
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	
1.	181 ENG-4	English Language for Health Specialties	4	-	12	-	-
2.	101 ISLM-2	Islamic Culture 1	2	-	2	-	-
3.	102 ARB-2	Arabic Writing	2	-	2	-	-
Total			8	-	16	-	-
			8		16		
Level 2							
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	
1.	182 ENG-4	English Language for Health Specialties 2	4	-	12	-	181 ENG-4
2.	105 PHYS-4	Physics for Health Specialties	3	1	3	2	181 ENG-4
Total			7	1	15	2	
			8		17		
Level 3							
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	

	183 ENG-3	English Language for Health Specialties 3	3	-	6	-	182 ENG-4
	105 CHEM-4	Chemistry for Health Specialties	3	1	3	2	181 ENG-4
	105 BIO-4	Biology for Health Specialties	3	1	3	2	182 ENG-4
Total			9	2	12	4	
			11		16		
Second Year							
Level 4							
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	
1.	102 ISLM-2	Islamic Culture 2	2	-	2	-	
2.	211 HID-2	Learning Skills for Health Specialties	1	1	1	2	
3.	220 ANAT-2	Introduction to Human Anatomy	2	1	2	2	
4.	212 Physio-2	Human Physiology	2	-	2	-	105 BIO-4
5.	211 PHS-3	Introduction to Public Health	3	-	3	-	
Total			10	2	10	4	
			12		14		
Level 5							
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	
1.	221 ENV-2	Principles of Environmental & Occupational Health	2	-	2	-	105 PHYS-4 105 CHEM-4
2.	243 PHCL-2	Introduction to Ethics in the Health Professions	2	-	2	-	-
3.	214 PHS-2	First Aid and Physical Assessment	1	1	1	2	220 ANAT-2 212 Physio-2
4.	212 HSM-2	Healthcare Systems and Policies	2	-	2	-	

5.	213 PHS-3	Microbiology and Parasitology for Public Health	2	1	2	2	220 ANAT-2 212 Physio-2
Total			9	2	9	4	
			11		13		
Level 6							
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	
1.	221 HEP-2	Introduction to Health Education & Promotion	2	-	2	-	
2.	221 HID-2	Introduction of Health Informatics	2	-	2	-	
3.	215 PHS-2	Medical Terminology	2	-	2	-	
4.	222 STA-2	Fundamentals of Biostatistics	1	1	1	2	
5.	222 EPI-2	Principles of Epidemiology	2	-	2	-	211 PHS-3
Total			9	1	9	2	
			10		11		
Third Year							
Level 7							
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	
1.	323 HID-3	Health Records	3	-	3	-	
2.	323 STA-2	Applied Biostatistics	2	1	2	2	222 STA-2
3.	331 HID-2	Fundamentals of Information Systems in Healthcare	2	-	2	-	
4.	332 HID-3	Introduction to Database	1	2	1	4	
Total			8	3	8	6	
			11		14		
Level 8							

Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	
1.	333 HID-3	Programming 1	1	2	1	4	
2.	316 EPI-3	Disease Process	3	-	3	-	
3.	322 HID-3	Applications in Health Informatics	3	-	3	-	221 HID-2
4.	334 HID-3	Database Management Systems	1	2	1	4	332 HID-3
Total			8	4	8	8	
			12		16		
Level 9							
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	
1.	324 HID-2	Sociology of Health and Illness	2	-	2	-	
2.	325 HID-4	Health Data Classification & Coding Systems	2	2	2	4	215 PHS-2
3.	313 HSM-2	Organizational Behavior in Health Care	2	-	2	-	
4.	435 HID-3	Programming 2	1	2	1	4	333 HID-3
Total			7	4	7	8	
			11		15		
Fourth Year							
Level 10							
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites
			Theory	practical	Theory	practical	
1.	413 HSM-2	Health Economics	2	-	2	-	
2.	415 HSM-2	Healthcare Quality & Patient Safety	2	-	2	-	
3.	424 STA-3	Hospital Statistics	1	1	1	2	323 STA-2
4.	436 HID-3	Health Systems Analysis and Design	1	2	1	4	331 HID-2
5.	352 GPH-3	Research Methodology	2	1	2	2	222 EPI-2

								323 STA-2
Total			8	4	8	8		
			12		16			
Level 11								
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites	
			Theory	practical	Theory	practical		
1.	451 HID -3	Health Research Design		3	-	6	352 GPH-3	
2.	426 HID-2	Legal & Ethical Aspects of Health Informatics	2	-	2	-		
3.	429 HID-2	Data Management and Visualization	1	1	1	2	325 HID-4	
4.	437 HID3	Human Computer Interaction	3	-	3	-		
5.	414 HSM-2	Health Service Management	2	-	2	-		
Total			8	4	8	8		
			12		16			
Level 12								
Sr. no	Course code	Course Title	Credit Hours		Contact hours		Pre-requisites	
			Theory	practical	Theory	practical		
1.	428 HID-2	Trends in Health Informatics	2	-	2	-		
2.	427 HID-3	Project Management in Health Informatics	1	2	1	4	323 STA-2	
3.	459 HID-4	Graduation Project	-	4	-	8	451 HID -3	
4.	Elective Course							
	417 HSM-2	Financial Accounting in Healthcare	2	-	2	-		
	434 HID-2	Mobile Computing in Healthcare						
	438 HID-2	Network and Cyber security						
	439 HID-2	Geographic Information Systems for Public Health						
			5	6	5	12		

Total	11	17	
Grand Total Hours	129	181	