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Public Health Program	برنامج الصحة العامة
First and Second year for all students	الخطة الدراسية للعام الأول والثاني لكل التخصصات الأكاديمية

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
1	BMS101	Anatomy and Physiology	2	3	0	0	5	3	150	5
	CHE112	Introduction to Organic and Biochemistry	2	3	0	0	5	3	150	5
	SHS108	Health Psychology	1	0	2	0	3	2	90	3
	PHC181	Scientific Writing for Public Health	1	0	2	0	3	2	105	4
	BMS135	Pathophysiology	3	0	0	0	3	3	135	5
	UC1	University Core Requirement	2	0	0	0	2	2	90	4
	UC2	University Core Requirement	2	0	0	0	2	2	90	4
	UE1	University Elective Requirement	2	0	0	0	2	2	90	4
Total Credits							19			
2	PHC150	Communication, behavioural change, and Sociocultural Dimensions	2	0	0	0	2	2	105	4
	BMS171	Foundations of infections and infestations	2	3	0	0	5	3	165	6
	PHP100	Basic Epidemiology	1	0	2	0	3	2	150	5
	PHO110	Environmental Chemistry for Public Health	2	1	0	0	3	2	105	4
	PHC191	Professionalism in an Ever Changing World	2	0	0	0	2	2	105	4
	UC3	University Core Requirement	2	0	0	0	2	2	90	4
	UC4	University Core Requirement	2	0	0	0	2	2	90	4
	UE2	University Elective Requirement	2	0	0	0	2	2	90	4
Total Credits							17			

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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
3	PHN211	Basics of Nutrition	2	0	2	0	4	3	150	5
	PHA211	Introduction to Healthcare Management	2	0	1	0	3	2	150	5
	PHP211	Research Methods in Public Health	1	3	2	0	6	3	150	5
	PHG221	Genomics in Public Health	1	3	0	0	4	2	135	5
	PHA212	Healthcare Systems and primary Healthcare	2	0	0	0	2	2	105	4
	BMD211	Health Informatics for Public Health	2	0	0	0	2	2	90	3
	UC5	University Core Requirement	2	0	0	0	2	2	90	4
	UE3	University Elective Requirement	2	0	0	0	2	2	90	4
Total Credits							18			
4	PHC271	Introduction to Communicable Diseases and Surveillance	1	0	2	0	3	2	105	4
	PHC250	Introduction to Non-communicable diseases	3	0	0	0	3	3	150	5
	PHC241	Health Promotion and Education	2	0	0	0	2	2	105	4
	PHP290	Biostatistics and Statistical Software Packages	2	3	0	0	5	3	150	5
	PHO251	Introduction to Environmental and Occupational Health	2	3	0	0	5	3	150	5
	UC6	University Core Requirement	2	0	0	0	2	2	90	4
	UC7	University Core Requirement	2	0	0	0	2	2	90	4
Total Credits							17			
Summer	PHC200	Field Training Experience						2	90	3
Total Credits							2			

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Public Health Program	برنامج الصحة العامة
I. Global Health	I. تخصص الصحة العامة العالمية

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
5	PHP330	Global Demographics, People Movement and Burden of Disease	2	0	2	0	4	3	150	5
	PHO311	Global Climate Change	2	0	0	0	2	2	105	4
	PHO326	Air and Water Pollution	1	3	0	0	4	2	105	4
	PHP331	Health Determinants	1	0	2	0	3	2	135	5
	PHC362	Prevention and Control: Vaccines and Immunization	1	0	2	0	3	2	105	4
	PE1	Professional elective						3		
Total Credits							14			
6	PHP343	Health Risk Assessment and Management	2	3	0	0	5	3	150	5
	PHP340	International Studies	2	0	2	0	4	3	135	5
	PHP342	Health Inequities	1	0	2	0	3	2	135	5
	PHC361	Communicable Disease Prevention and Control	2	0	2	0	4	3	105	4
	PE2	Professional Elective						2		
Total Credits							14			
Summer	PHC300	Field Training Experience						2	90	3
Total Credits								2		
7	PHP444	Humanitarian Assistance	2	0	1	0	3	2	135	5
	PHA331	Healthcare Economics and economic evaluation	3	0	2	0	5	4	165	6
	PHC430	Maternal, Neonatal, Child and adolescent Health	2	0	2	0	3	3	150	5
	PE3	Professional Elective						3		
	PE4	Professional Elective						2		
Total Credits							14			

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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
8	PHC410	Sexual and Reproductive Health	2	0	2	0	4	3	150	5
	PHP418	Evidence Based Practice	1	0	2	0	3	2	135	5
	PHC420	NCDs, Mental and Geriatric Health	1	0	2	0	3	2	150	5
	PHC400	Graduation Project	0	12	0	0	12	4	150	5
	PE5	Professional Elective						2		
Total Credits							13			

Professional Elective Courses for Global Health

Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
PHC382	Grant Writing	1	0	2	0	3	2	105	4
PHP372	Gender-based Violence Research, Practice and Policy	1	0	2	0	3	2	135	5
PHC461	Global Politics of Public Health	1	0	2	0	3	2	135	5
PHA311	Cultural Competency and Health Administration	2	0	2	0	4	3	150	5
PHA421	Project management	2	0	2	0	4	3	150	5
PHP310	Questionnaire Design and Validation	1	3	0	0	4	2	135	5
PHP352	Community social and Behavioural Interventions	2	3	0	0	5	3	135	5
PHP395	Preparing Datasets for Analysis	1	3	0	0	4	2	135	5
PHC466	Management of Mass Gatherings						2		

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Public Health Program	برنامج الصحة العامة
II. Environmental Health and Climate Change	II. تخصص الصحة البيئية وتغير المناخ

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
5	PHO321	Food Safety, Food security and Surveillance of Foodborne Disease	2	0	0	0	2	2	105	4
	PHO311	Global Climate Change	2	0	0	0	2	2	105	4
	PHO331	Occupational Safety	2	3	0	0	5	3	150	5
	PHO322	Health Geography	2	0	2	0	4	3	150	5
	PHO323	Air Quality Management	2	3	0	0	5	3	150	5
	PE1	Professional Elective						2		
	PE2	Professional Elective						2		
Total Credits							17			
6	PHO341	Hazardous Waste Management	2	0	2	0	4	3	150	5
	PHO324	Water Quality and Disease Control	2	3	0	0	5	3	150	5
	PHO325	Geographic Information Systems and Spatial Analysis	2	3	0	0	5	3	150	5
	PHO351	Green Cities and the Built Environment	2	3	0	0	5	3	150	5
	PE3	Professional Elective						2		
	PE4	Professional Elective						2		
	PE5	Professional Elective						2		
Total Credits							18			
Summer	PHO262	Field Experience Course II						2	90	3
Total Credits								2		
7	PHO441	Environmental Policy, laws and Management	2	0	2	0	4	3	150	5
	PHO431	Organizational Behaviour and change	2	0	2	0	4	3	150	5
	PHO422	Microbiological and Chemical Sampling/ Analysis	2	3	0	0	5	3	150	5
	PHO471	Thesis Project 1						3	90	3
Total Credits								12		

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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
8	PHO432	Human Resource Management	2	0	2	0	4	3	150	5
	PHO423	Ecosystems Management	2	3	0	0	5	3	180	6
	PHO421	Environmental Risk Assessment	2	3	0	0	5	3	150	5
	PHO472	Thesis Project 2						3	90	3
Total Credits								12		

Professional Elective Courses for Environmental Health and Climate Change

Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
PHO332	Industrial Psychology	2	0	0	0	2	2	135	5
PHO326	Air and Water Pollution	1	3	0	0	4	2	105	4
PHC341	Arts, Creativity and Health	2	1	0	0	3	2	90	3

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Public Health Program	برنامج الصحة العامة
III. Epidemiology and Biostatistics	III. تخصص الوبائيات والاحصاء الحيوي

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
5	PHP301	Advanced Epidemiologic Methods	1	3	2	0	6	3	150	5
	PHP393	Statistical Modelling	2	3	0	0	5	3	150	5
	PHC362	Prevention and Control: Vaccines and immunization	1	0	2	0	3	2	105	4
	CSE314	Introduction to Programming for Biostatisticians	1	3	0	0	4	2	135	5
	PHP302	Epidemiology of Non-Communicable Diseases, mental health and ageing	1	0	2	0	3	2	135	5
	PE1	Professional Elective						3		
Total Credits							15			
6	PHC361	Communicable Disease Prevention and Control	2	0	2	0	4	3	150	5
	PHP392	Data Analysis Using R	2	3	0	0	5	3	150	5
	PHP310	Questionnaire Design and Validation	1	3	0	0	4	2	135	5
	PHP370	Cancer Epidemiology	2	0	2	0	4	3	135	5
	PHP380	Molecular and Genetic Epidemiology	2	3	0	0	5	3	150	5
	PE2	Professional Elective						3		
Total Credits							17			
Summer	PHP***	Field Experience Course II						2	90	3
Total Credits										
7	PHP416	Clinical Trials Design and Analysis	1	3	2	0	6	3	150	5
	PHP494	Systematic Reviews and Meta-analysis	1	3	2	0	6	3	150	5
	PHG495	Data Analysis in Genetic Studies	1	3	2	0	6	3	150	5
	PHP403	Outbreak Investigation	1	3	2	0	6	3	150	5
	PE3	Professional Elective						2		
Total Credits							14			

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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
8	PHP450	Psychosocial Epidemiology	1	0	2	0	3	2	150	5
	PHP417	Qualitative Research	1	3	2	0	6	3	135	5
	PHP418	Evidence Based Practice	1	0	2	0	3	2	135	5
	PE4	Professional Elective						2		
	PHP400	Graduation Project	0	12	0	0	12	4	150	5
Total Credits							13			

Professional Elective Courses for Epidemiology and Biostatistics

Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
PHC382	Grant Writing	1	0	2	0	3	2	105	4
PHP372	Gender-based Violence Research, Practice and Policy	1	0	2	0	3	2	135	5
PHC461	Global Politics of Public Health	1	0	2	0	3	2	135	5
PHA311	Cultural Competency and Health Administration	2	0	2	0	4	3	150	5
PHA421	Project management	2	0	2	0	4	3	150	5
PHP434	Population Structure	1	3	0	0	4	2	135	5
PHP404	Clinical Epidemiology	2	3	0	0	5	3	135	5
PHP352	Community social and Behavioural Interventions	2	3	0	0	5	3	135	5
PHP300	Field Project Training						2		
PHP395	Preparing Datasets for Analysis	1	3	0	0	4	2	135	5

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Public Health Program	برنامج الصحة العامة
IV. Healthcare Management	.IV تخصص إدارة الرعاية الصحية

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
5	ACC113	Introduction to Accounting (For Non-Business Students)	2	0	1	0	3	2	105	4
	FIN231	Hospital Management and Finance	3	0	1	0	4	3	150	5
	PHA311	Cultural Competency and Health Administration	2	0	2	0	4	3	150	5
	PHA312	Health Care Ethics & Law	2	0	2	0	4	3	150	5
	PHP342	Health Inequities	1	0	2	0	3	2	135	5
	PE1	Professional Elective						2		
	PE2	Professional Elective						2		
Total Credits							17			
6	PHA331	Health Economics	3	0	2	0	5	4	165	6
	PHA341	Leadership and Strategic Management	2	0	2	0	4	3	150	5
	PHA351	Health Care Quality Management	2	0	2	0	4	3	150	5
	PHA361	Marketing for Healthcare Organizations	3	0	2	0	5	4	165	6
	PE3	Professional Elective						2		
Total Credits							16			
Summer	PHA360	Field Experience Course II						3	105	4
Total Credits							3			
7	PHA422	Research Methods in Health Administration	3	3	0	0	6	4	165	6
	PHO432	Human Resource Management in Health Systems	2	0	2	0	4	3	150	5
	PHA421	Project Management	2	0	2	0	4	3	150	5
	PHA491	Interprofessional Collaboration	3	0	0	0	3	3	150	5
	PE4	Professional Elective						2		
Total Credits							15			

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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
8	PHA461	Professional Practice Internship						6	105	4
	PE5	Professional Elective						2		
Total Credits								8		

Professional Elective Courses for Healthcare Management

Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
PPP524	Patient safety & informatics	2	0	0	0	2	2	90	3
PPP304	Pharmacy Administration	2	0	0	0	2	2	90	3
PPP201	Pharmacoeconomics	2	0	0	0	2	2	90	3
PPP528	Project management in clinical trials	2	0	0	0	2	2	90	3

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Public Health Program	برنامج الصحة العامة
V. Public Health Nutrition	V. تخصص التغذية الصحية في الصحة العامة

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
5	PHN311	Human Nutrition & Metabolism	2	0	2	0	4	3	150	5
	PHN312	Assessment of nutrition status	2	3	0	0	5	3	150	5
	PHO321	Food Safety, Food security and Surveillance of Foodborne Disease	2	0	0	0	2	2	105	4
	PE1	Professional Elective 1						2		
	PE2	Professional Elective 1						2		
Total Credits								12		
6	PHN313	Nutrition Along Lifecycle	2	0	2	0	4	3	150	5
	PHN314	Theories & Techniques of Nutrition Education	2	0	2	0	4	3	150	5
	PHN321	Community and Public health Nutrition	2	0	2	0	4	3	150	5
	PHN341	Clinical Nutrition 1	2	3	0	0	5	3	165	6
	PE3	Professional Elective 3						2		
Total Credits								14		
Summer	PHN301	Field Experience Course II						2	105	4
Total Credits								2		
7	PHN411	Diet and Meal Planning	1	3	0	0	4	2	120	4
	PHN421	Nutrition and Non-Communicable diseases	2	0	0	0	2	2	105	4
	PHN441	Clinical Nutrition 2	2	3	0	0	5	3	165	6
	PHN431	Food chemistry and analysis	2	3	0	0	5	3	150	5
	PHN401	Nutrition Seminar	1	3	0	0	4	2	150	5
	PE4	Professional Elective 4						2		
Total Credits								14		

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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
8	PHN432	Food technology	2	3	0	0	5	3	150	5
	PHN422	Malnutrition and Nutrition Intervention	2	0	0	0	2	2	105	4
	PE5	Professional Elective 5						2		
	PE6	Professional Elective 6						3		
	PHN402	Graduation Project	0	12	0	0	12	4	180	6
Total Credits								14		

Professional Elective Courses for Public Health Nutrition

Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
PHN391	Motivational Interviewing in Public Health Settings	2	0	0	0	2	2	90	3
PHN323	Mass communication in public health	2	0	0	0	2	2	90	3
PHN315	Nutritional genomics	2	0	0	0	2	2	90	3
PHN331	Food marketing and consumer Behaviour	2	0	0	0	2	2	90	3
PHN332	Food laws and regulations	2	0	0	0	2	2	90	3
PHN443	Sports Nutrition	2	0	2	0	4	3	150	5
PHN442	Obesity Control and Prevention	2	0	2	0	4	3	150	5
PHC382	Grant Writing	1	0	2	0	3	2	105	4
PHC461	Global Politics of Public Health	1	0	2	0	3	2	135	5

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Public Health Program	برنامج الصحة العامة
VI. Public Health Genetics	VI. تخصص الصحة العامة الوراثية

Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
5	PHG320	Cellular and molecular biology I (from molecules to tissues)	1	3	2	0	6	3	150	5
	PHG314	Human immunology and immune markers	1	3	0	0	4	2	135	5
	PHG321	Legal, ethical & Social Issues in Applied Genetics	1	0	2	0	3	2	105	4
	PHC365	Microbes, Man and the environment	1	0	2	0	3	2	105	4
	PHG322	Structure and Function of the Human Genome	1	3	2	0	6	3	165	6
	PE1	Professional Elective						3		
Total Credits								15		
6	PHC340	Pathophysiology II From Tissues to Organ Systems and healthy Humans	1	0	2	0	3	2	135	5
	PHG363	Microarray Technology & Gene expression profiling	1	3	2	0	6	3	150	5
	PHG326	Mendelian Inheritance	1	0	2	0	3	2	105	4
	CSE314	Introduction to programming for biostatisticians	1	3	0	0	4	2	135	5
	PHG355	Genome sequencing technology	1	3	2	0	6	3	150	5
	PHG422	Genome Wide Association Studies	1	3	2	0	6	3	150	5
	PE2	Professional Elective						2		
Total Credits								17		
Summer	PHG***	Field Experience Course II								
Total Credits										
7	PHG421	Genetic Susceptibility to Disease	1	3	2	0	6	3	150	5
	PHP392	Data Analysis using R	2	3	0	0	5	3	150	5
	PHG495	Data Analysis in Genetic Studies	1	3	2	0	6	3	150	5
	PE3	Professional Elective						3		
Total Credits								12		

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Semester	Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
8	PHG426	Genetic Risk Assessment and Counselling	1	3	2	0	6	3	150	5
	PHG490	Targeted Drug Development and Pharmacogenomics	1	3	2	0	6	3	150	5
	PHC470	Future Healthcare Models	1	0	2	0	3	2	105	4
	PHG423	Predictive Multigene Assays	1	0	2	0	3	2	150	5
	PE4	Professional Elective						2		
	PHG400	Graduation Project		0	12	0	0	12	4	165
Total Credits								16		

Professional Elective Courses for Public Health Genetics

Code	Course Name	LCT	LAB	TUT	OTH	CNTCT	CH	SWL	ECTS
PHN391	Motivational Interviewing in Public Health Settings	2	0	0	0	2	2	90	3
PHN323	Mass communication in public health	2	0	0	0	2	2	90	3
PHN315	Nutritional genomics	2	0	0	0	2	2	90	3
PHG358	Library Preparation for Sequence Analysis	1	3	0	0	4	2	135	5
PHG306	Introduction to Experimental Biology	1	3	0	0	4	2	105	4
PHG404	Introduction to proteomics & mass spectrometry	1	3	0	0	4	2	135	5
PHG307	Introduction to laboratory Science & safety	1	3	0	0	4	2	135	5
PHC382	Grant Writing	1	0	2	0	3	2	105	4
PHC461	Global Politics of Public Health	1	0	2	0	3	2	135	5
PHP416	Clinical Trials Design and Analysis	1	3	2	0	6	3	150	5
PHP494	Systematic Reviews and Meta-analysis	1	3	2	0	6	3	150	5
PHP496	Survival Analysis	1	3	0	0	4	2	135	5
PHP370	Cancer Epidemiology	2	0	2	0	4	3	135	5
PHG405	Introduction to Metabolomics	1	3	0	0	4	2	135	5