



College of Health Sciences
School of Rehabilitation and Medical Sciences
Department of Medical Sciences
Emergency Medical Sciences

Diploma in Emergency Medical Services
(DEMS) Study Modules

Diploma in Emergency Medical Services - YEAR 1					
FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER	
Course Title	Credit Hours	Course Title	Credit Hours	Course Title	Credit Hours
Arabic Language I	2	English Language II	2	Pathophysiology	3
English Language I	2	Fundamentals of Emergency Medical Services	2		
General Biology	4	Fundamentals of Emergency Medical Services Laboratory	1		
General Biology	0	Anatomy and Physiology II	3		
Fundamentals of Chemistry	4	Anatomy and Physiology II Laboratory	1		
Fundamentals of Chemistry	0	Arabic II	2		
Anatomy and Physiology I	3				
Anatomy and Physiology I Laboratory	1				
Diploma in Emergency Medical Services - YEAR 2					
FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER	
Course Title	Credit Hours	Course Title	Credit Hours	Course Title	Credit Hours
Pharmacology 1	2	Medical Management	2	Clinical Placement 2 Emergency Rooms	2
Pharmacology 1 Laboratory	1	Medical Management Laboratory	1		
Physical Assessment Laboratory 1	2	Cardiopulmonary Management	2		
Airway Management	2	Cardiopulmonary Management Laboratory	1		
Airway Management Laboratory	1	Clinical Placement -1 Ambulance Stations	2		
First Aid and BLS Laboratory	1	Medical/Legal aspects and Ethics in EMS	2		
Health Informatics	1	Computer Skills	2		
Trauma Management 1	2				
Trauma Management 1 Laboratory	1				
Diploma Emergency Medical Services - YEAR 3					
FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER	
Course Title	Credit Hours	Course Title	Credit Hours	Course Title	Credit Hours
ECG Interpretation	2	EMS Operations 1	1	Clinical Placement - 5 Medica, Surgical & Pediatric Wards	2
ECG Interpretation Laboratory	1	EMS Operations 1 Laboratory	2		
Trauma Management II	2	Clinical Placement - 4 CCU, ICU, OT	2		
Trauma Management II Laboratory	1	Career Counselling	1		
Entrepreneurship, Innovation and Creativity	3	Islamic Civilization	3		
Clinical Placement 3- Ambulance Stations	2	Paediatrics Medical and Trauma Management	2		
Special Patient Population	2	Paediatrics Medical and Trauma Management Lab	1		
Special Patient Population Laboratory	1	Advanced Seminar in Health Sciences	1		

Diploma in Emergency Medical Services – YEAR 4					
FALL SEMESTER		SPRING SEMESTER		SUMMER SEMESTER	
Course Title	Credit Hours	Course Title	Credit Hours	Course Title	Credit Hours
Professional Review Course and Professional Exit Exam	9				
Internship	1				

Total Course credits (DEMS) per academic year:

Year	FALL SEMESTER	SPRING SEMESTER	SUMMER SEMESTER	TOTAL
1st	16	11	3	30
2nd	13	12	2	27
3rd	14	13	2	29
4th	10	0	0	10
TOTAL CREDITS				96