

Doctor in Society (DIS) Stream

MODULE 3B (FOURTH YEAR - FIRST SEMESTER)

Credits: 2.5

Topic	Objectives	Teaching method/s	Time	Responsible Department
Screening of a newborn	Should be able to <ul style="list-style-type: none"> ➤ Detect abnormalities from head to toe and make appropriate referrals. 	Lecture	1 hour	Community Medicine
Development of children from birth to 5 yrs – I	Should be able to assess the developmental status in terms of <ul style="list-style-type: none"> ➤ Gross motor ➤ Fine motor & vision 	Lecture	1 hour	Community Medicine
Development of children from birth to 5 yrs – II	Should be able to assess the developmental status in terms of <ul style="list-style-type: none"> ➤ Hearing & Speech ➤ Social / Intellectual milestones At 6 wks, 3, 6, 12, 18months, 3, 4 & 5 yrs	Lecture	1 hour	Community Medicine
Warnings signs of early developmental delays (children who are in need)	Should be able to identify the warning signs with regard to above main areas of development at 6 wks, 3, 6, 12, 18months, 3, 4 & 5 yrs	Lecture	1 hour	Community Medicine
What is epidemiology & Natural history of diseases.	<ul style="list-style-type: none"> ➤ To definition the term epidemiology ➤ To study the interactions among agent, host and environment. (Epidemiological triangle) ➤ To study the Pre pathogenesis and Pathogenesis periods and learn their significance. ➤ To study the properties of biological agents in terms of 	Lecture	2 hours	Community Medicine

Pathogenicity and Virulence				
	<ul style="list-style-type: none"> ➤ To learn the properties of host factors in terms of Biological factors, Demographic factors, Socioeconomic factors Lifestyle etc. ➤ To study the properties of environment in terms of Physical, biological and psycho-social factors. 			
Communicable disease transmission	<ul style="list-style-type: none"> ➤ To learn the source and reservoir of infections. ➤ To recap the body defense mechanisms. ➤ To describe the different modes of disease transmission, <ul style="list-style-type: none"> ○ direct and indirect methods ○ basic requirements needed for disease transmission <p>To study the common source & propagated sources in epidemics of infections</p> <p>To learn the disease prevention process. (eradication, elimination & control of communicable diseases)</p>	Lecture	1 hour	Community Medicine
Communicable disease surveillance & disease prevention.	<p>To learn different method used in controlling the reservoirs and sources of infection. (Emphasis mainly on early diagnosis, notification, early treatments and disinfections)</p> <p>To study disease surveillance and its importance in prevention of diseases.</p>	Lecture	1 hour	Community Medicine
Epidemiological investigation	<p>To develop knowledge and skills to investigate an epidemic in an area. Following areas has to be emphasized.</p> <ul style="list-style-type: none"> • Definition of an epidemic • Verification of the diagnosis • Establish the existence of an epidemic 	Lecture	1 hour	Community Medicine

	<p>ize the distribution of cases</p> <ul style="list-style-type: none"> • Hypothesis development • Hypothesis testing • Conclusion • Initiation of control measures • Report writing. <p>To develop skills to investigate an epidemic</p>	Preparation for SGD	1 hour	
		SGD	1 hour	
Screening for diseases	To learn the basics of disease scoring process	Lecture	1 hour	Community Medicine
Introduction to International Health	<p>Be able to understand the international nature of disease and health and the role played by international organizations in maintaining global health</p> <ul style="list-style-type: none"> ➤ Student should understand what international health is and how it differs from global health. ➤ Know why international organizations looking in to health matters were formed. ➤ Be able name the important organizations in health and understand their organizational structure. ➤ Be able to out line the new International Health Regulations and how they help individual countries maintain health 	Lecture	1 hour	Community Medicine
Introduction to Health Education	<p>Should know</p> <ul style="list-style-type: none"> ➤ What is health education 	Lecture	1 hour	Community Medicine

		of HE			
Promotion(HP)	<ul style="list-style-type: none"> ➤ Different types of HE methods ➤ What is HP & the difference between HP & HE ➤ Outline the aim of health education. Understand reasons & importance of educating people. 				
Health Education Bureau (HEB)	Should know the duties & functions of HEB		Lecture	2 hours	Community Medicine
Concept of BCC & effective communication methods of HE & HP	Should understand <ul style="list-style-type: none"> ➤ What is Behaviour Change Communication (BCC) ➤ Principles & stages of BCC ➤ How does human behaviour change & examples of successful BCC ➤ Concepts & Principles of HE & HP 				
How to develop a HE programme	To discuss <ul style="list-style-type: none"> ➤ Opportunities that can be used by a MOH for HE ➤ Primary & Secondary target groups of HE ➤ How a HE programme is developed 		Lecture discussion	1 hour	Community Medicine
Developing a HE programme	Should be able to develop a HE programme according to problems identified in the community		Preparation for SGD	1 hour	Community Medicine
			SGD	1 hour	
Sudden natural deaths	<ul style="list-style-type: none"> ➤ Define a sudden natural death ➤ List the causes ➤ Describe the macroscopic features of each 		Lecture	3 hrs	Forensic Medicine

smothering, suffocation, choking, gagging, strangulation, hanging, traumatic, postural and sexual asphyxia	<ul style="list-style-type: none"> ➤ List the causes of asphyxia with their definitions ➤ Describe the post mortem appearance of each one of the above, giving the underlying mechanism ➤ Discuss the medicolegal aspects of each ➤ Describe the steps in conducting the dissection of the neck and face. 	Lecture	4hrs	Forensic Medicine
		Video presentation	1hr	
Drowning	<ul style="list-style-type: none"> ➤ Define drowning ➤ List the probable circumstances of death in a body recovered from water ➤ List the mechanism of death in drowning ➤ List post mortem findings of immersion ➤ List post mortem findings of drowning ➤ Discuss the method of lab diagnosis of drowning ➤ 	Lecture	1 hr	Forensic Medicine
Regional Injuries (Thoracic Injuries)	<ul style="list-style-type: none"> ➤ Describe the injuries to the thoracic cage and organs ➤ Discuss the medicolegal aspects ➤ 	Lecture	1hr	Forensic Medicine
Regional Injuries (Abdominal Injuries)	<ul style="list-style-type: none"> ➤ Describe the injuries to the abdominal wall and organs ➤ Discuss the medicolegal aspects 	Lecture	1hr	Forensic Medicine
Regional Injuries (Head Injuries, Neck , Face, teeth and spinal cord)	<ul style="list-style-type: none"> ➤ Describe the different types of injuries that can occur in the soft tissues of head and face, skull, ICH, Cerebral injuries, Spinal cord. ➤ Describe the macroscopic appearance ➤ Discuss the medicolegal aspects 	Lecture	5hrs	Forensic Medicine

	<p>in which spinal dissection is required in forensic practice and outline the dissection methods.</p> <ul style="list-style-type: none"> ➤ Describe the sequel of raised IC pressure ➤ Describe injuries that would occur in teeth 			
Forensic toxicology	<ul style="list-style-type: none"> ➤ State the circumstances of poisoning ➤ State the toxic substance of the following poisons ➤ State the routes of entry of the poisons ➤ State the clinical features of the following poisons ➤ State the macroscopic features suggestive of the following poisons at postmortem examination <p>- Introduction /Plant poisons-1hr - Agrochemicals-1hr - Drugs- therapeutic / drugs of abuse -1hr - Corrosives, CN and Pb-1hr - Alcohol-1hr</p>	Lecture	5hrs	Forensic Medicine
Criminal Miscarriage	<ul style="list-style-type: none"> ➤ Define criminal miscarriage ➤ Discuss the methods used ➤ Describe the injuries and clinical features of criminal miscarriage ➤ List the causes of death ➤ State the law regarding criminal miscarriage ➤ Describe the pelvic dissection technique ➤ Thrombo embolism, air embolism 	Lecture	2 hrs	Forensic Medicine
Starvation & Neglect	<ul style="list-style-type: none"> ➤ Define starvation/neglect ➤ Describe the features suggestive of starvation and neglect 	Lecture	1 hr	Forensic Medicine
Regulation of pharmaceuticals of	<p>Should be able to</p> <ul style="list-style-type: none"> ➤ Explain the main components of the "Cosmetics, Devices & Drug 	Lecture	1 hr	Pharmacology Department

	<ul style="list-style-type: none"> ➤ Describe the regulatory system for registration & distribution of pharmaceutical products in Sri Lanka 			
Medical supplies in state health care institution	<p>Should be able to</p> <ul style="list-style-type: none"> ➤ Describe the process that followed in the procurement, Storage & Distribution of medical supplies in state health care institutions in Sri Lanka ➤ Describe the steps that are taken to minimize the wastage of medical supplies 	Lecture	1 hr	Pharmacology Department

Examination Format (Evaluation at the end of Y4S1)

Module	Credits	Total duration of examination	SAQ
DIS – Module 3B	2.5	2 Hrs.	6