

Doctor in Society (DIS) Stream
MODULE 1B (THIRD YEAR - FIRST SEMESTER)

Credits: 2.5

Topic	Objectives	Teaching method/s	Time	Responsible Department
Introduction to MOH area	<p>Students should be able to</p> <ul style="list-style-type: none"> ➤ Describe the administrative scheme of MOH system in Sri Lanka ➤ Describe the role and function of MOH related to public health service provision as a community physician, health care manager and administrator ➤ Describe the technical support available for MOH of national and regional level 	Lecture	2 hours	Community Medicine
Maternal and Child Health	<p>Should be able to describe how maternal and child health improved over the years</p> <ul style="list-style-type: none"> ➤ Should be aware of the history and the important mile stones of MCH in Sri Lanka. ➤ Should be aware of the evolution of the programme from Family health Care to Reproductive Health Concept. ➤ Should be able to describe the major components of Safe Motherhood Concept ➤ Should be able to describe the concerns and issues of reproductive health and its importance in relation to maternal and child health ➤ Should be able to describe the role of Family Health Bureau in Sri Lanka ➤ Able to discuss the medical and non-medical factors that led to 	Lecture	1 hour	Community Medicine

	a reduction in infant and maternal mortality over the years.			
Ante-natal, natal and post natal care	<p>Should be able to describe ante-natal, natal and post natal care of the mother.</p> <ul style="list-style-type: none"> ➤ Should be able to describe the role of the Public Health Midwife (PHM) in domiciliary ante-natal and post-natal care and the care of the new born ➤ Should be able to describe the care received by pregnant mothers at the field poly clinic. ➤ Should be able to list the functions of the Medical Officer of Health (MOH) and the Public health Nurse (PHN) in delivering maternal and child health at a community level ➤ Should be able to discuss how the MCH care is shared between the community and tertiary care institutions and the drawbacks of the functioning system. ➤ Should be able to list the risk conditions during pregnancy ➤ Should be able to list the screening procedures used to identify the high risk mothers (the ideal and what is being done in Sri Lanka) ➤ Should be able to describe the strategies used in Sri Lanka to eliminate neonatal tetanus, congenital rubella and congenital syphilis ➤ Should be able to describe about the diet, weight gain, nutritional supplements in pregnancy ➤ Should be able to describe how malaria is prevented during pregnancy in endemic areas of malaria ➤ Should be able to list the functions carried out by a well woman 	Lecture (some objectives covered during clerkship)	2 hours	Community Medicine

	<p>clinic</p> <ul style="list-style-type: none"> ➤ Should understand the importance of pre – pregnancy counseling 			
Breast feeding	<p>Should be able to describe the importance of breast feeding on MCH</p> <ul style="list-style-type: none"> ➤ Should be able to describe what is meant by exclusive breast feeding. ➤ Should be able to describe the advantages of breast feeding to the mother and the baby ➤ Should be able to describe the mechanisms involved in successful breast feeding and reasons for the failure of exclusive breast feeding ➤ Should be able to describe how breast feeding could be continued in special situations. Eg- working mother, breast engorgement/ mastitis, preterm baby, baby with a cleft palate ➤ Should be aware of the baby friendly hospital initiative and describe the steps taken to promote successful breast feeding. 	Lecture/ Discussion	2 hours	Community Medicine
Maternal mortality	<p>Should be able to define maternal mortality, list the causes of it and describe its prevention</p> <ul style="list-style-type: none"> ➤ Should be able to define a ‘maternal death’, direct obstetric death, indirect obstetric death and late maternal deaths. ➤ Should be able to list the causes of maternal mortality in Sri Lanka. ➤ Should be able to state the current rates in maternal mortality ➤ Should be able to describe the procedure of maternal death investigation and its importance ➤ Should be able to apply the ‘3 delay model’ to investigate 	Lecture	2 hours	Community Medicine

	<p>maternal deaths</p> <ul style="list-style-type: none"> ➤ Should be able to discuss the possible measures for further reduction of maternal deaths in Sri Lanka. ➤ Should be able to discuss the importance of investigating severe maternal morbidity in the future ➤ Should be able to describe the MCH information system prevailing in Sri Lanka 			
Infant mortality	<p>Should be able to describe the causes and prevention of neonatal, infant and child mortality</p> <ul style="list-style-type: none"> ➤ Should be able to list the common causes of mortality among neonates, infants and pre school children ➤ Should be able to state the rate of infant mortality ➤ Should be able to describe the care received by infants and pre school children at field poly clinic ➤ Should be able to describe the measures that could be taken to reduce neonatal mortality and infant mortality in Sri Lanka ➤ Should be able to describe the special programmes in the country to reduce infant morbidity and mortality (eg- control of diarrhoeal diseases) 	Lecture	1 hour	Community Medicine
The relevance of the discipline 'Occupational Health' for a Country	<ul style="list-style-type: none"> ➤ To describe the Concepts of occupational Health ➤ To know the History of occupational Health 	Lecture	1 hour	Community Medicine
Occupational Hazard	<ul style="list-style-type: none"> ➤ Be able to list occupational Hazards and their implications 	Lecture	2 hours	Community Medicine

The role of the Primary Care Physician in the delivery of Occupational Health Services	To be able to describe and discuss <ul style="list-style-type: none"> ➤ Pre-employment and periodic assessment fitness to return to work 	Preparation for SGD	1 hour	Community Medicine
		SGD	1 hour	
Factory Inspection	<ul style="list-style-type: none"> ➤ To be able to define a factory and be aware of functions of PHI and Factory Inspecting Engineer in the procedure of Factory Inspection 	Lecture	1 hour	Community Medicine
Epidemiology of Diabetes Mellitus	Be able to <ul style="list-style-type: none"> ➤ List the risk factors for Diabetes Mellitus Type II ➤ List the factors which have led to the increase in the incidence of Diabetes Mellitus Type II in the world and in Sri Lanka ➤ List the complications of diabetes mellitus and how they are brought about. ➤ List the preventive measures that could be taken to reduce the incidence of Diabetes Mellitus. 	Lecture	1 hour	Community Medicine
Epidemiology of Atherosclerosis	Be able to <ul style="list-style-type: none"> ➤ List the reasons for Atherosclerosis ➤ To name the diseases caused by atherosclerosis ➤ To describe the impact of diseases caused by atherosclerosis on the family, society and the country ➤ List the steps that should be taken to reduce the incidence of ischaemic heart disease and strokes in Sri Lanka. 	Lecture	1 hour	Community Medicine

Epidemiology of Cancer	Be able to <ul style="list-style-type: none"> ➤ List the common cancers in Sri Lanka ➤ List the risk factors for the common cancers ➤ List the impact of cancers on the family, society and Country. ➤ List the preventive measures that could be taken to reduce the incidence of cancer ➤ List the screening programmes available for cancer ➤ List the services available in Sri Lanka for patients with Cancer 	Preparation for Seminar	1 hour	Community Medicine
		Seminar	2 hours	
Management of Disasters	Be able to <ul style="list-style-type: none"> ➤ Define the term 'disaster' ➤ List the types of disasters ➤ Describe short term and long term health hazards following different types of disasters ➤ Describe the role of rapid health assessment in disaster management <ul style="list-style-type: none"> Describe the role played by the health services in disaster management. Environmental sanitation Nutritional supplementation Water supply Understand the common mental health problems in disaster victims and their management (eg: Post Traumatic Stress Disorders) ➤ State the role played by the social service department, non – governmental organizations and general public in disaster management. 	Lecture	2 hours	Community Medicine

	<ul style="list-style-type: none"> ➤ State the role played by the social service department, non – governmental organizations and general public in disaster management 			
Self Generated Learning (SGL)	<ul style="list-style-type: none"> ➤ Reading or discussions 	SGL	1 Hour	Community Medicine
Pathology and Pathophysiology of trauma / Basic injuries	<ul style="list-style-type: none"> ➤ Define the term 'Injury' for medical and legal purposes. ➤ List the types of trauma and their definitions ➤ Describe different types of basic injuries ➤ Discuss the agents cause and mechanism of injuries ➤ Discuss the medico legal significance of each of the above injury ➤ Discuss the sequel and complications of mechanical trauma 	Lecture	2 hr	Forensic Medicine
		Preparation for Seminar	1 hr	
		Seminar	2 hrs	
Burns / Injuries by physical and chemical agents	<ul style="list-style-type: none"> ➤ List the different types of burns Dry burns, moist burns, chemical burns, electrocution, lightning, radiation, hypothermia, hyperthermia <ul style="list-style-type: none"> ➤ Describe different features, sequelae and complication of each and their medico legal significance ➤ Medico legal investigation of a case of burns ➤ Describe the different types of burns. ➤ Discuss the medicolegal interpretation of these injuries ➤ Describe the causes, clinical features and autopsy features of hypo and hyperthermia. 	Lecture	3hrs	Forensic Medicine
Time of injury	<ul style="list-style-type: none"> ➤ Describe different methods available to time injuries <ul style="list-style-type: none"> ➤ Describe macroscopic, microscopic, histo-chemical and radiological methods to time injuries - 1 hr <p>(* Students should revise wound healing and bone healing prior to the</p>	Lecture	1hr	Forensic Medicine

	lecture) <ul style="list-style-type: none"> ➤ List the methods available to time injuries ➤ Describe how the injuries can be typed by macroscopic appearance. 			
Patterns of injuries	<ul style="list-style-type: none"> ➤ Discuss the injury patterns in <ul style="list-style-type: none"> - self-inflicted injuries suicidal injuries, fabricated, caused by friendly hand - defense injuries - falls <p>Injuries caused by animals (animal attacks and stings) Self inflicted / suicidal injuries / fabricated / caused by a friendly hand</p>	Lecture	1hr	Forensic Medicine
Classification of injuries for legal purposes	<ul style="list-style-type: none"> ➤ Discuss how each injury maybe categorized under the following- non-grievous hurt, grievous hurt, endangering life, fatal in ordinary course of nature, necessarily fatal 	Lecture	2hr	Forensic Medicine
History Taking and Examination of a medico-legal case /Post mortems(clinical cases)	<ul style="list-style-type: none"> ➤ Discuss how a patient may be referred to the medical officer for medicolegal examination ➤ Describe the steps in taking a history and examining a clinical medicolegal case ➤ List the documents that can be used for the purpose of documenting injuries ➤ Describe the procedure in documenting injuries ➤ Describe the procedure sending reports to court in response to police message, summons, notices and warrants 	Lecture	3 hr	Forensic Medicine

Introduction to Autopsy and techniques	<ul style="list-style-type: none"> ➤ Differentiate pathological autopsy from a judicial autopsy. ➤ Describe the procedure in requesting pathological postmortem ➤ State how a case may be referred to the medical officer for judicial postmortem examination. 	Video presentation	1 hr	Forensic Medicine
		Lecture	1 hr	
Negative autopsy	<ul style="list-style-type: none"> ➤ Describe the procedure prior to commencement of the judicial autopsy ➤ Describe the technique of a routine autopsy ➤ List the documents that can be used for the purpose of recording information ➤ Describe the procedure in recording information and reporting to courts ➤ Special dissection techniques ➤ Describe what is meant by a negative autopsy ➤ Discuss the conditions in which an autopsy maybe negative ➤ What are the lab investigations you would carry out to determine the COD? 			
Introduction to COD, mode of death and circumstances of Death / Law of murder and Homicide	<ul style="list-style-type: none"> ➤ Describe what is meant by <ul style="list-style-type: none"> - cause of death - mode of death - manner of death/ circumstance ➤ Correct documentation of COD, Medical certification of death ➤ Differentiate Murder from a Homicide ➤ Explain exceptions 	Lecture	2hr	Forensic Medicine
Revision – Forensic medicine	<ul style="list-style-type: none"> ➤ To clarify doubts 	Discussion	1 hr	Forensic Medicine

Revision – Community medicine	➤ To clarify doubts	Discussion	1 hr	Community Medicine
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Examination Format (Evaluation at the end of Y3S1)

Module	Credits	Total duration of examination	SAQ
DIS – Module 1B	2.5	2Hrs.	6