

Doctor in Society (DIS) Stream
MODULE 4A (SECOND YEAR - SECOND SEMESTER)

Credits: 1

Topic	Objectives	Teaching method/s	Time	Responsible Department
Principles of injury prevention	To understand <ul style="list-style-type: none"> ➤ The historical contexts and development of the field of injury prevention and control; ➤ The theory and principles of injury prevention and control; ➤ the debate concerning the terms “accidents” compared with “injuries”; ➤ The conceptual models for injury prevention, including the Haddon Matrix and the ecological model, and their relevance to the 5 Es of injury prevention; ➤ The main causes of death globally as a result of injury with the overall patterns of injury through the life cycle; ➤ Burden of disease as a consequence of injuries, on individuals and society; ➤ Potential sources of injury-related data. 	Lecture	1 hour	Community Medicine
Measurement of Injuries	To gain an understanding of: <ul style="list-style-type: none"> ➤ The difference between measures of exposure in the study of injuries such as counts, proportions and rates used to measure mortality and morbidity and the advantages and disadvantages of using different denominators; 	Lecture	1 hour	Community Medicine

	<ul style="list-style-type: none"> ➤ The concept of lifetime measures (life expectancy and years of potential life lost); ➤ The concept of summary measures of population health; ➤ The potential uses of summary measures of population health for the estimation of the burden of injuries (including the concept of the global burden of disease and cost-effectiveness analysis; ➤ The concepts related to measuring the economic burden of injury and cost-benefit analysis. 			
Injury Surveillance 1	<ul style="list-style-type: none"> ➤ Describe the concept of an injury surveillance system. ➤ Identify the multiple uses of surveillance for research, control and policy development. ➤ Recognize the different types of injury surveillance systems including: <ul style="list-style-type: none"> • whole population surveillance • surveillance based on sampling • institutional review of registries. ➤ Recognize the attributes of major coding systems such as ICD and ICECI and important data items such as mechanism, intent and setting. ➤ Understand the sequence of necessary steps required for surveillance including: <ul style="list-style-type: none"> • how surveillance can define an injury problem • the process of minimum data collection for surveillance • the definition of data entry and processing protocols • the basic elements for interpretation of data • clear reporting of results 	Lecture	1 hour	Community Medicine

	<ul style="list-style-type: none"> • the potential use of results to plan interventions • the functionality of a surveillance system • the basic steps necessary to maintain a surveillance system. 			
Injury Surveillance II	<ul style="list-style-type: none"> ➤ Identify the attributes of an injury surveillance system ➤ Describe the process for identifying stakeholders of an injury surveillance system. ➤ Define the objectives of a surveillance system. ➤ Describe case definitions and potential sources of data in the process of creating or enhancing an injury surveillance system. ➤ Identify existing available resources for injury surveillance. ➤ Describe the data needs of an injury surveillance system and formulate strategies and procedures for data collection. ➤ Describe the conceptual basis for establishing a system for data processing. ➤ Identify the basic elements for designing and disseminating reports. ➤ Formulate the principles for injury surveillance system training. ➤ Formulate strategies for data quality control. ➤ Evaluate critically the importance of the compatibility of data with standard (international) and existing data systems. ➤ Evaluate critically an existing injury surveillance system 	Lecture	1 hour	Community Medicine

	or plan the creation of a system (exercise).			
Road Traffic Injuries	<ul style="list-style-type: none"> ➤ To understand the basic concepts related to road traffic injuries. ➤ To recognize that road traffic injuries are a significant public health issue in terms of both fatalities and their contribution to the global burden of disease and injury. ➤ To understand that the prevention of road traffic injuries requires a systems approach, and be able to apply the Haddon Matrix to conceptualise a road traffic injury scenario, and identify points for intervention. ➤ To understand the main determinants and risk factors associated with road traffic injuries. ➤ To understand the role and responsibilities of public health in addressing the road traffic injury issue through research, evidence and data, advocacy, the sharing of information, and the design, implementation and evaluation of interventions. 	Lecture	1 hour	Community Medicine
Health Information System	<p>Be able to</p> <ul style="list-style-type: none"> ➤ To understand about the health information system in Sri Lanka ➤ To know about the components of national HIS ➤ To learn about the source of information system ➤ To learn understand about the dissemination of information to get the national data on Health system ➤ To learn and understand the deficiencies of present health information system. 	Lecture	1 hour	Community Medicine

Emerging Health Problems I	Be able to understand the changing pattern of diseases globally <ul style="list-style-type: none"> ➤ Understand changing patterns disease over time. ➤ Be able describe the management issues faced by health managers due to the above at present ➤ Be able to list diseases that will predominate in the near future ➤ Be able to grasp the contributing factors that could give rise to the change 	Lecture	1 hour	Community Medicine
Emerging Health Problems II	Be able to understand and appreciate the challenges faced by individual countries and the world as a whole in the face of changing patterns of disease <ul style="list-style-type: none"> ➤ Future of communicable diseases/ emerging and reemerging disease ➤ Future of non-communicable diseases/ developing and developed countries 	Lecture	1 hour	Community Medicine
Post mortem artifacts	<ul style="list-style-type: none"> ➤ List the different types of artifacts that may be seen macroscopically on a dead body postmortem ➤ Describe the medico legal importance of identifying these artifacts 	Lecture	2hrs	Forensic Medicine
Health care rights	<ul style="list-style-type: none"> ➤ Define the term human rights ➤ Identify fundamental elements in human rights ➤ List main human Rights documents and identify their key concepts ➤ Outline health rights of patients ➤ Outline rights of doctors 	Lecture	2 hrs	Forensic Medicine

	<ul style="list-style-type: none"> ➤ State remedies for Human Rights violations ➤ Discuss the interaction between rights, obligations of a doctor VS Patients rights. 			
Research Ethics	<ul style="list-style-type: none"> ➤ State laws safe guarding rights of research participants. ➤ Explain the term “informed consent” with reference to bio medical research ➤ Identify ethical issues in Bio Medical research ➤ Explain the role of an ethical review committee ➤ Discuss how medical research can be conducted ethically 	Lecture	1 hr	Forensic Medicine
Revision – Forensic medicine	<ul style="list-style-type: none"> ➤ To clarify doubts 	Discussion	1 hr	Forensic Medicine
Revision – Community medicine	<ul style="list-style-type: none"> ➤ To clarify doubts 	Discussion	1 hr	Community Medicine

Examination Format (Evaluation at the end of 2nd year)

Module	Credits	Total duration of examination	SAQ
DIS – Module 3A & 4A	2	2 Hrs.	6