

Doctor in Society (DIS) Stream Module 5

Y4 S2 Module DIS - 5 (Applied Epidemiology, Community Paediatrics and Health Promotion) - **Credits -3**

Topic	Time	Objectives	Dept	Resp Person	Teaching method/s
What is epidemiology & Natural history of diseases.	2 hours	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 Infectivity, Pathogenicity and Virulence To learn the properties of host factors in terms of Biological factors, Demographic factors, socio- economic factors Lifestyle etc. To study the properties of environment in terms of Physical, biological and psycho-social factors.	CM	Prof. PVRK	Lecture
Communicable disease transmission	1 hour	To learn the source and reservoir of infections. To recap the body defense mechanisms. To describe the different modes of disease transmission, direct and indirect methods basic requirements needed for disease transmission To study the common source & propagated sources in epidemics of infections To learn the disease prevention process. (eradication, elimination & control of communicable diseases)		Prof. PVRK	Lecture
Communicable disease surveillance & disease prevention.	1 hour	To learn different method used in controlling the reservoirs and sources of infection. (Emphasis mainly on early diagnosis, notification, early treatments and disinfections) To study disease surveillance and its importance in prevention of diseases.		Prof. PVRK	Lecture
Epidemiological investigation	1 hour 1 hour 1 hour	To develop knowledge and skills to investigate an epidemic in an area. Following areas has to be emphasized. <ol style="list-style-type: none"> Definition of an epidemic Verification of the diagnosis Establish the existence of an epidemic Characterize the distribution of cases Hypothesis development Hypothesis testing Conclusion 		Prof. PVRK	Lecture Preparation for SGD SGD

		<ul style="list-style-type: none"> h. Initiation of control measures i. Report writing. 			
	1 hour	To develop skills to investigate an epidemic			SGD
Screening for diseases	1 hour	To learn the basics of disease scoring process			Lecture
Introduction to International Health	1 hour	<p>Be able to understand the international nature of disease and health and the role played by international organizations in maintaining global health</p> <p>Student should understand what international health is and how it differs from global health.</p> <p>Know why international organizations looking in to health matters were formed.</p> <p>Be able name the important organizations in health and understand their organizational structure.</p> <p>Be able to out line the new International Health Regulations and how they help individual countries maintain health</p>		Dr. ST	Lecture
Introduction to Health Education (HE)	1 hour	<p>Student should be able to</p> <p>Define health education</p> <p>Describe the aims of health education</p> <p>Describe the principles of health education</p> <p>Describe the characteristics of ' Good Communication techniques'</p> <p>Identify opportunities that can be used by a medical officer of health for health education</p>		Dr.SN	Lecture
Health Promotion(HP)	1 hour	<p>Student should be able to</p> <p>Define Health Promotion</p> <p>Describe determinants of health</p>		Dr.SN	Lecture
Health Education Bureau (HEB)		<p>Describe the key action areas for Health Promotion</p> <p>Should know the duties & functions of HEB</p>			
Introduction to 'Behaviour change Communication' (BCC)	1 hour	<p>Student should be able to</p> <p>Define the concept of Behaviour change Communication</p> <p>Describe the principles and stages of Behaviour change Communication</p> <p>Describe how human Behaviour changes with and proper Behaviour change Communication interventions over time</p>		Dr.SN	Lecture
Developing a Behaviour change Communication	1 hour	<p>Student should be able to</p> <p>Define term 'Social mobilization' and advocacy</p>		Dr.SN	Lecture

plan		List the steps followed when making a Behaviour change Communication plan for a given community health problem			
		Do a risk analysis of a given problem Identity primary and secondary target groups for a Behaviour change Communication intervention			
How to develop a HE programme	1 hour			Dr.SN	Preparation for SGD
Developing a HE programme	1 hour	Should be able to develop a HE Programme according to problems identified in the community			SGD
Gender based violence (GBV)	1 hour	The student should Understand the concept of gender, gender issues and gender stereotyping Understand GBV, magnitude		Dr.SN	Lecture
Mental Health	1 hour	Should understand the importance & the gravity of mental diseases as a public health problem in the world & in Sri Lanka Be aware of the different types of services & facilities available for mental health in Sri Lanka		Dr. WALW	Lecture
Screening of a newborn	1 hour	Should be able to Detect abnormalities from head to toe and make appropriate referrals.		Prof. AJ	Lecture
Development of children from birth to 5 yrs – I	1 hour	Should be able to assess the developmental status in terms of Gross motor Fine motor & vision		Prof. AJ	Lecture
Development of children from birth to 5 yrs – II	1 hour	Should be able to assess the developmental status in terms of Hearing & Speech Social / Intellectual milestones At 6 wks, 3, 6, 12, 18months, 3, 4 & 5 yrs		Prof. AJ	Lecture
Warnings signs of early developmental delays (children who are in need)	1 hour	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		Prof. AJ	Lecture
Management of common early neonatal problems	1 hour	Should be able to discuss such problems e.g. Feeding problems, Jaundice, skin rashes – pustules, Ery. Toxicum, Nappy rashes/ Candidiasis, intertrigo, umbilical sepsis/ granuloma, constipation, abnormal looking head shapes, Vaginal bleeding, Breast engorgement/mastitis, crying baby		Prof. AJ	Lecture

		Sticky eyes/conjunctivitis, poor weight gain, vomiting/regurgitation,			
Facilities available in the country for the children with special needs in educational, social and other needs.	1 hour 2 hours	Recognize the facilities available both in the State sector and Non – Governmental Organizations (NGOs)		Prof. AJ	Preparation for SGD SGD
Breast feeding and weaning	1 hour	Should be able to List advantages and contraindications of breast feeding. Describe weaning process		Prof. AJ	Lecture
Common community child health problems, in the community	1 hour	Should be able to discuss such problems e.g. poor weight gain, scabies, head lice, atopic eczema, recurrent abdominal pain, enuresis, leg pains, headaches, Limps, Behaviour disorders-ADHD (Attention Deficit Hyperactive Disorder, Autistic Spectrum Disorders(ASP)		Prof. AJ	Lecture
Rights of the child, Geneva Convention, Childrens' Charter & Child Abuse	1 hour	Should be able to discuss the issues related to children in global and Sri Lankan contexts, forms of child abuse		Prof. AJ	Lecture
Epidemiological Unit	2 hours	Should be able to List the functions and duties of the Epidemiological Unit Explain special surveillance systems to control emerging diseases		Dr.SG	Lecture
Introduction to Health Economics	1 hour	To gain an understanding of, The definition of health economics The financial flows in the health sector		Prof. SD	Lecture
Supply of Health Services	1 hour	The factors determining the demand for and supply of health services		Prof. SD	Lecture
Health Care resource	1 hour 1 hour	Methods of allocating health care resources		SD	Preparation for Seminar Seminar
Hospital Administration	2 hours	Be able to Understand the organization of Health services in Sri Lanka Evaluate and understand health facilities Understand health man power Give a definition of rule of health		Dr.SR	Lecture

		<p>Outline the difference between hospital services Vs other services.</p> <p>Define management</p> <p>Know some difficulties of health care management</p> <p>Meaning of quality of health care</p> <p>Understand problems issues & remedies of present health care system.</p> <p>Know how to supervise a hospital.</p>			
General Practice	2 hours	<p>Should know</p> <p>Functions & duties of a General Practitioner (GP)</p> <p>The record keeping, referrals & follow up of patients</p> <p>How special cases are managed in the community. Ex: Elderly</p> <p>Factors affecting the success of a GP</p>		Dr.AUG	Lecture
Medical Statistics Unit	1 hour	<p>Should know</p> <p>The type of medical data collected & its sources</p> <p>How data is being processed</p> <p>The importance of the collected data in medical field</p> <p>How people get access to data, how data disseminated & published</p>		MD	Lecture
Geographical Information System (GIS)	1 hour	<p>Should be aware of the GIS</p> <p>Should know how GIS is applied in medical research and disease surveillance</p>		Prof.JG	Lecture
Self Generated learning	1 hour	Reading & Discussion			SGL
Problem of increasing elderly population	1 hour	<p>Explain the services available at a home for the elderly.</p> <p>Explain the criteria for admission to a home for an elderly.</p> <p>Explain the escalation of the problem faced by the elderly due to decline in fertility and reduction in the family size in the future.</p>		Dr. JPS	Lecture
Current problems and future problems in management of the elderly in Sri Lanka	1 hour	<p>Explain the current health, psychological and social problems faced by the elderly.</p> <p>Explain the health services available to the elderly population through MOH and his/ her team</p>		Dr. JPS	Lecture