

Doctor in Society (DIS) Stream

MODULE 2A (FIRST YEAR - SECOND SEMESTER)

Credits: 1

Topic	Objectives	Teaching method/s	Time	Responsible Department
Introduction to Demography	<ul style="list-style-type: none"> ➤ Should be able to define demography ➤ Should be aware of the dynamics of population changes and its relevance eg – mortality, fertility, migration. ➤ Should know how demography is related to other disciplines and to non-demographic variables ➤ Should be able to list the different sources of demographic data and how a census is conducted. ➤ Should be able to explain the differences between basic demographic measures. eg. count, rate, ratio and proportion. 	Lecture	1 hour	Community Medicine
Population structure and Demographic transition	<ul style="list-style-type: none"> ➤ Should know how a population pyramid is constructed. ➤ Should be able to compare the population pyramids between developed and developing countries. ➤ Should be able to describe the effect of the age and sex structure on mortality and fertility rates. ➤ Should know the demographic characteristics of the Sri Lankan population & how it changed over time ➤ Should be able to calculate the age dependency ratio and know its impact on the economy & health of a country. ➤ Should be able to describe the factors influencing reproductive life span and discuss its implications 	Lecture	1 hour	Community Medicine

Mortality	<p>define, calculate and interpret following rates</p> <p>a) Crude birth rate b) Crude death rate c) Natural increase d) Population density e) Sex ratio f) Infant mortality rate h) General fertility rate i) Age specific fertility rate j) Total fertility rate k) Gross reproductive rate l) Maternal mortality ratio m) Maternal mortality rate n) Net Reproductive rate</p> <p>Define abortion, still birth, early neonatal death, late neonatal death and calculate their rates.</p>	Lecture	2 hours	Community Medicine
Standardization of mortality rates	<ul style="list-style-type: none"> ➤ Should know the different methods in standardization of mortality rates. <ul style="list-style-type: none"> • Direct Standardization • Indirect Standardization ➤ Should understand the importance of standardization. 	Lecture	1 hour	Community Medicine
Fertility and Mortality	<p>Problem solving session.</p>	Discussion	1 hour	Community Medicine
Migration	<ul style="list-style-type: none"> ➤ Should be able to define migration and a migrant. ➤ Should be able to explain the effect of migration on demographic factors in a country. ➤ Should be able to explain how population growth rate is 	Lecture	1 hour	Community Medicine

	<ul style="list-style-type: none"> ➤ Should be aware of the important international and internal migration that occurred in past / occurring at present in Sri Lanka and their impacts on demographic and socio-economic factors. ➤ Should be able to discuss the health impacts of migration on different migrant groups. eg. women migrating to middle east countries as housemaids, youth migrating to free trade zones. ➤ Should be able to explain what a 'Migrant Study' is and the importance of conducting migrant studies. 			
Life expectancy and quality of life	<ul style="list-style-type: none"> ➤ Should be able to define life expectancy ➤ Should know the concept of life tables ➤ Be aware of indices that measure quality of life <ul style="list-style-type: none"> • Physical Quality of Life Index • Human Development Index ➤ Should understand why Disability Adjusted Life Years is calculated. 	Lecture	1 hour	Community Medicine
Code of Conduct for doctors	<ul style="list-style-type: none"> ➤ Discuss the importance of a code of conduct for doctors. 	Discussion	1 hour	Forensic Medicine
Medical Ethics - Introduction to basic principles	<ul style="list-style-type: none"> ➤ State four principles of ethics ➤ Explain the above principles ➤ Explain how a doctor may use above in his practice 	Lecture / Assignment	2 hours	Forensic Medicine
Medical Ethics - Introduction to ethical concepts	<ul style="list-style-type: none"> ➤ List and explain ethical duties of a doctor to a patient, society and to each other (medical, paramedical and supportive staff) in the profession. ➤ Explain following concepts: 	Lecture	2 hours	Forensic Medicine

	<ul style="list-style-type: none"> - Best possible care - Standard of care - Confidentiality - Consent 			
Legal system of Sri-Lanka with special reference to practice of medicine	<ul style="list-style-type: none"> ➤ State the court system in Sri Lanka in hierarchical order ➤ State the jurisdiction of each court ➤ Identify courts / Institutes to which a doctor may be summoned as an expert ➤ Differentiate a criminal offence from a civil Offence ➤ List acts and ordinances those are directly relevant to practice of medicine. ➤ To be aware of laws related to practice of medicine (Handout to be given). ➤ How to access these laws. 	Lecture	2 hours	Forensic Medicine

Examination Format (Evaluation at the end of 1st year)

Module	Credits	Total duration of examination	SAQ
DIS – Module1A & 2A	2	2Hrs.	6