



MANGALORE UNIVERSITY
MSc Geography

GYS 556: Medical Geography

Course Outcome

Course Learning Outcomes:

- CO1. Understand health issues in its spatial context.
- CO2. Extrapolate influence of place and location on human health.
- CO3. Analyze spatial patterns of disease and health care provisions.
- CO4. Apply geographical concepts and techniques to health related problems.
- CO5. Apply geographical knowledge to health policy advocacy specifically to third world diseases.
- CO6. Assess/Evaluate methods applied to infer causal relationships between spatial variability in environment and health outcomes

Unit- 1. Concepts and traditions: Definition, scope, elements, Growth of medical geography methods and techniques. 10

Unit- 2. Human-Environment Interaction: Health and environment-concept of health, geographical approaches of health, natural environment and health inorganic and organic, social environment and health: Food intake, perception of diseases, treatment of diseases, socio-economic conditions and health. 14

Unit- 3. Modernization, population change and health: Disease classification genetic, communicable, non-communicable, occupational, deficiency diseases, WHO classification of diseases. **Diseases diffusion:** Meaning, factors/barriers, phases, types of diffusion.

Epidemiological transition-The theory of epidemiological transition (Omran theory) factors of transition- Demographic, changes in risk factors, practices of modern medicine. Indicators. -14

Unit- 4. Global Inequalities in Health resources: Concept of health care, levels of health care, social context of disease, health care accessibility and utilization, health care system worldwide, health care services in India, health care policy in India. -12

Reference:

1. Husain Majid (1994): 'Medical Geography', Amol Publication Pvt.Ltd. New Delhi
2. Learmonth A T A (1978): 'Patterns of diseases and hunger', a case study in Medical Geography, David and Charles, Victoria
3. May J M (1970): 'The world atlas of diseases' National Book Trust, New Delhi
4. Mc. Glashan N.D (1972): 'Medical Geography, Methuen, London
5. Misra R P (1970): 'Medical Geography' National Book Trust, New Delhi
6. Rais A S Learmonth A T A (1990): 'Geographical aspects of health and diseases in India' rawat Publication, Jaipur
7. Stamp L. D.(1964): 'Some aspects of Medical geography', Oxford University Press Oxford
8. M.S. Meade and R.J. Erickson (2005), Medical Geography Guilford press.