

**ELECTIVE COURSE**

**GEOG.726:**

**MEDICAL GEOGRAPHY**

**3(3-0)**

**Course Objectives**

This course is designed to educate the students about the geo-spatial factors both socio-economic and demographic affecting the human health and health facilities.

**Learning Outcomes**

On completion of this course, the students will be able to know the impact of various geographical, socio-economic and demographic factors that affect the health condition of the people and health facilities in any geographical area.

**Course Outline**

- 1. Introduction:** Nature , status, and scope
- 2. Historical Development**
  - Medical geographic data and its presentation
  - Spatial definition, medicine and medical geography
  - Traditional medical system and cultural framework
- 3. Factors & the Patterns of Health & Disease**
  - Disease diffusion
  - Geographical, physical, environmental, cultural, socioeconomic & political factors
- 4. Patterns & Processes of Health & Disease**
  - Spatial variations in health and welfare patterns including mapping
  - Role of geography in exploring impacts of diseases
- 5. Models in Medical Geography**
  - Epidemiological transition
  - GIS computer based mapping in medical geography
  - Health-care inequalities
  - Global patterns of health & disease
  - Global eradication of disease
- 6. Progress in Medical Geography**
  - Recent issues & developments in medical geography
  - GIS, Remote Sensing in health studies
  - Changing societies & future Health care & Planning

**Recommended Books**

1. Izhar, F. (2004). "Geography & Health: A study in medical Geography", A.P.H. Publishing corporation New Delhi.
2. Lloyd, J. (2002) Health & welfare, Holder & Stoughton London.
3. Leninan, J.& Fletcher, W.W. (1976). Health & the Environment, 1<sup>st</sup> ed. Blacker & Sons Ltd.UK.
4. McGlashan, N.D (199?) "Medical Geography: Techniques and field Studies", latest edition, Methuen & Co Ltd, London.
5. Cockcroft, K, Khan, A et al. (2005) "Social Audit of governance and delivery of Public services: Lasbela, Khairpur, Khanewal, Sialkot & Haripur Districts Preventive Child Health" CIET & Districts Government.