

## DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

### Programme: Ph. D

### Course Title: Economics of Health and Healthcare

**Course Category: Pre-PhD Course Work**

**Course Code: HUT 704**

**Credits: 3 (L-3)**

**Semester: Odd/Even**

**Internal: 50 Marks**

**Theory: 50 Marks**

**Total: 100 Marks**

**Time: 3hrs**

**Note:** Six questions to be set covering all the units (one question from each unit). The examinees shall have to attempt any five questions. All questions shall carry equal marks.

#### **Course Objectives**

This course aims to provide a broad understanding of various aspects of health economics, public health, epidemiology, and the economic concepts employed in the area of health and health care.

#### **Unit 1: Introduction to Health Economics**

Health Economics; Population Health and Role of Health in Economic Development; Key concepts of economics, micro and macroeconomics utilized in Health Economics, Universal health coverage and health financing,

#### **Unit 2: Models of Health**

Economic models of health; introduction and moral hazard; Health Insurance: adverse selection in health insurance; social insurance in India and global examples. CBA and CEA.

#### **Unit 3: Health Valuation**

Mortality risk valuation; static model, life cycle model, empirical models (hedonic wages, stated preference); valuing changes in morbidity-model of health production, revealed preference and stated preference approaches, HALY and quality adjusted life years.

#### **Unit 4: Public Health and Healthcare Systems**

Public Health. Social determinants of health, Health systems and Health policy, Health equity, Public health system in India. Healthcare models. Measuring changes in population health using metrics

#### **Course Outcomes**

By the completion of course students will be able to understand the prominent issues in the area of health economics, public health, the healthcare system delivery models and the mechanism of health financing.

#### **Suggested Readings**

Detels, R., Beaglehole, R., Lansang, M. A., & Gulliford, M. (2011). *Oxford textbook of public health*. Oxford University Press.

Bernard Turnock. (2011). *Essentials of public health*. Jones & Bartlett Publishers

Reid, T. R. (2010). *The healing of America: A global quest for better, cheaper, and fairer health care*. Penguin.

Donaldson, C., Gerard, K., Jan, S., Mitton, C., & Wiseman, V. (2017). *Economics of health care financing: the visible hand*. Bloomsbury Publishing.

Bhattacharya, J., Hyde, T. and Tu, P.: *Health Economics*, Palgrave

Stephen Morris, Nancy Devlin, David Parkin. *Economic Analysis in Health Care*. John Wiley & Sons

Gordis, L. (2013). *Epidemiology* (Fifth edition). Elsevier Health Sciences.

Bonita, R., Beaglehole, R., & Kjellström, T. (2006). *Basic epidemiology* (2nd Edition). World Health Organization.

Somerville, M., Kumaran, K., & Anderson, R. (2016). *Public health and epidemiology at a glance* (Second Edition). John Wiley & Sons.