



**Birla Institute of Technology and Science, Pilani
and
Elite School of Optometry
(Unit of Medical Research Foundation, Chennai)**



B S OPTOMETRY
Third Year - Second Semester – Academic Year (2012 – 2013)
COURSE HANDOUT

COURSE NO. : OPTO ZC332

COURSE TITLE : PUBLIC HEALTH AND COMMUNITY OPTOMETRY

INSTRUCTOR INCHARGE : Dr. R R Sudhir

CO INSTRUCTOR : Ms N Anuradha

1. SCOPE AND OBJECTIVE : The objective of the course is to enable the student to identify and manage the common and important ocular problems in the community and to investigate an epidemic of ocular disease and to institute measures. It is also to assess the effect of social, cultural and economic characteristics of the community on its health status with special reference to ocular diseases.

- To organise health education programmes in the community to measure the effect KAP study.
- To elicit community participation in all national programmes with special reference for prevention of blindness and control of ocular diseases.
- To apply the principles of screening in the community for the diagnosis of visual disorders.
- To apply the epidemiological principles to assess the risk factors and for the control of the disease.
- To work with government and non-government agencies for the health and development of the community.
- To undertake & practice of Geriatric Optometry (Rehabilitation & Public Health)

2. TEXT BOOKS :

(1) The Epidemiology of Eye Diseases, Edited by G J Jhonson, D C Minassian and S K West – London, Arnold, 2003.

(2) Text Book of Public and Preventive Medicine (J.E. Park).

3. REFERENCE BOOKS :

(1) Oxford Text Book of Public Health & Preventive Medicine (Vol. I to IV)

(2) MAXCY AND ROSENAU : Text Book of Public Health & Preventive Medicine.

(3) NEWCOMB R D & JOLLEY J L : Public Health and Community Optometry

COURSE PLAN:

NO	Topics	No of Lrs
1	Public Health Optometry: Concepts and implementation	1
2	Dimensions, determinants and indicators of health	1
3	Levels of disease prevention and levels of health care patterns	1
4	Epidemiology of blindness – Defining blindness and visual impairment	1
5	Eye in primary health care	1
6	Contrasting between Clinical and community health programs	2
7	Community Eye Care Programs	1
8	Community based rehabilitation programs	2
9	Nutritional Blindness with reference to Vitamin A deficiency	1
10	Vision 2020: The Right to Sight	1
11	Screening for diseases	1
12	National and International health agencies, NPCB	2
13	Role of an optometrist in Public Health	1
14	Organization and Management of Eye Care Programs – Service Delivery models	1
15	Health manpower and planning & Health Economics	1
16	Evaluation and assessment of health programmes	1
17	Optometrists role in school eye health programmes	1
18	Basics of Tele Optometry and its application in Public Health	2
19	Information, Education and Communication for Eye Care programs	1
	Total Lectures	23

Evaluation Component Schedule:

Component	Month	Pattern	Marks
EC – I and III	Feb & April	Assignment, quiz, viva, seminar, debate, lecture evaluation, Surprise test continuous class evaluation etc.	40
EC – II	March	Written	20
Comp. Exam	May	Written – Three Hours	40

INSTRUCTOR IN CHARGE

Public Health and Community Optometry Course Schedule: Jan – May 2013