

- Dr. S. Asha, Assistant Professor of Bio-Chemistry

SELF STUDY

HEALTH CARE MANAGEMENT

OBJECTIVES

To enable the students to

- Gain knowledge on Health care System and Management
- *Acquire and practice leadership and managerial skills that will positively affect performance as a healthcare manager.*

UNIT I

Introduction to Public Health

Evolution of Public Health. Important Public Health Acts, Health problems of developed and developing countries.

UNIT II

Basic Epidemiology

Definition and Concepts of Epidemiology. Types- Descriptive, Analytical and Experimental Epidemiology - Methods - Use of Epidemiology.

UNIT III

Health Care Systems

Health Care Regulation – WHO, International Health regulations, IMA, MCI, State Medical Council Bodies, Health universities and Teaching Hospitals and other Health care Delivery Systems.

UNIT IV

Hospital Operational Management

Understanding the Hospital Management – Role of Medical, Nursing Staff, Paramedical and Supporting Staff. Management of Quality Assured services of professional service units of hospitals. Quality control mechanisms.

UNIT V

Medical Record Science

Definition and types of medical record, Importance of medical record, Flow chart of function, Statutory requirements of maintenance, coding, indexing and filing, Computerization of record, Report and returns by the record department, Statistical information and ICD.

REFERENCE BOOKS:

S.No	Author Name	Title of the Book	Publisher	Year
1.	Buchbinder	Introduction to Health Care Management	Jones & Bartlett Publishers	2016
2	Kieran Walshe	Healthcare Management	Open University Press	2006
3.	Karen A. Wager	Health Care Information Systems: A Practical Approach for Health Care Management	John Wiley & Sons	2nd edition 2009
4.	<u>Volker Eric Amelung</u>	Healthcare Management	Springer	2nd edition 2019

WEB SOURCES:

- www.slideshare.net/harikafle944/introduction-to-public-health-63662456
- www.slideshare.net/nirmalkandel/epidemiology-and-health-systems-43067548
- www.gmpsop.com/articles/typical-documentation-and-records-produced-in-a-quality-control-laboratory.html

SYLLABUS DESIGNER

- Dr. V. Prabha, Head & Assistant Professor of Bio-Chemistry
- Mrs. G. Nithya, Assistant Professor of Bio-Chemistry

MOLECULAR GENETICS

Sem	Subject Code	Category	Lecture		Theory		Practical		Credit
			Per week	Per sem.	Per week	Per sem.	Per week	Per sem.	
IV	21CPBC4A	Core	6	90	6	90	-	-	6

COURSE OBJECTIVE:

To develop an understanding of the fundamentals of inheritance in cells and also molecular mechanism by which the genes control the growth and development and also enhance the knowledge on issues associated with recent research in genetics

COURSE OUTCOMES:

On the successful completion of the course, students will be able to -

CO. Number	CO statement	Knowledge level (K1-K4)
CO1	Understand Mendel's particulate mechanism differed from the blending theory of inheritance.	K2
CO2	Provide an understanding of producing genetic diversity in bacterial populations.	K4
CO3	Understand consequences of gene linkage that allows geneticists to map the relative order of genes on a chromosome.	K4
CO4	Provide an understanding of animal embryonic development from egg into an adult.	K2
CO5	Provide an understanding of the differential diagnosis and approaches will necessary to fully understand genetic disorders.	K3

*CO – course Outcomes

Knowledge Level: K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze.