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Healthcare Course

Email Contact: info@educba.com



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Course Overview

You get to learn Health economics and health insurance, genetics, microbiology, Hospital admin and healthcare, financial management in healthcare in detail.

At present, the IT world is blooming, bridging the gap between various fields. New subjects or ideas are being born due to this. Mankind is finding ways to do the impossible.

Healthcare Skills

We learn the following skills:

Clinical Research Training: The concepts of behavioral research on human subjects. Procedures that needs to be followed before allowing the product in the market

Genetics: It is the field of biology which deals with the study of genes, heredity, and genetic variations in living organisms.

Microbiology: It is the study of microorganisms which affect the human body.

Course Features



Course Duration- 56 + Hours



Number of Courses



Verifiable Certificates



Lifetime Access



Technical Excellence

About Healthcare

What makes health care an important field for human beings?

Is it the blooming business or Is it the professional satisfaction that they get by helping people? The thought leads to a paradox. But, health care is a field which includes both, business as well as helping people. Health care is not limited to hospitals or diseases, it's a vast field which includes technologies like Nano-biology and microbiology, drugs that need to be tested before reaching the market and nursing as well.

Healthcare Course

This is a Bundle Course that includes complete in-depth Healthcare Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a Healthcare Learning professional.

Section 1. Regulatory Guideline in Clinical research

- introduction to gcp
- introduction to sop
- introduction
- what where who to report
- medwatch
- QOL intro
- QOL in detail

Section 2. Clinical Research Phases

- Principal of icmr
- intro ICMR
- types of phase 4
- introduction to cro

Section 3. Project management

- Responsibility and appendix
- changes in schedule y
- introduction to schedule
- introduction to project management

Section 4. Adverse Drug Reaction

- Mechanism Classification
- Seriousness Classification
- Casualty Classification
- Adverse Drug Reaction

Section 5. International conference harmonization

- process of icf
- Intro ICF

Section 6. Introduction to New Drug Discovery

- Drug Development Stages
- Approaches to Drug Discovery
- Thalidomide tragedy
- Food, Drug & Cosmetic Act
- Clinical Trial Therapy

Section 7. Pharmacovigilance

- Introduction to pharmacology
- pharmacodynamics
- pharmacokinetics
- introduction to medical writing
- characteristics
- introduction to clinical trial design and biostats
- clinical trial design
- selection of design

Section 8. Clinical Research Process: outsourcing

- Outsourcing Introduction
- Types of Contract
- Outsourcing Process

Section 9. Fraud and Misconduct

- Introduction Fraud and Misconduct
- Prevalence of Fraud

Section 10. Special Trail: BAE

- Introduction to Bio Equivalence Studies
- Parameters Bio Equivalence
- FDA Guideline

Section 11. Communication

- Definition Communication

Section 1. Medical Microbiology

- Fungal Diseases
- Gastro intestinal Tract infections
- Infection of Central Nervous System
- Infection of Urinary Tract
- Sexually Transmitted Diseases-
- Bacterial-Skin and Wound Infection
- Respiratory Tract Infection
- Medical Microbiology
- Polio

Section 2. Microorganism role in food poisoning

- Microorganism and role in food poisoning

Section 3. Microbiology Of Air, Milk, Soil, Food

- Microbiology of Food
- Microbiology of Soil
- Microbiology of water
- Microbiology of Milk
- Prokaryotic and Eukaryotic Cell Structure
- Microbiology Of Air

Section 4. Microbial Growth and Taxonomy

- Taxonomy-
- Microbial Growth

Section 5. Media Preparation

- Media Preparation and its significance

Section 6. Concept of Microbiology

- Pure Culture Technique

Section 7. Introduction to Microbiology

- Sterilization
- Staining Techniques
- Microscope

Section 1. Sequencing & Analysis

- Sequencing & Various types of ANALYSIS

Section 2. Mutagenesis and DNA repair

- DNA Protein Binding
- Mutagenesis and DNA repair

Section 3. Important Concepts in Genetics

- Important Concepts in Genetics

Section 4. Human Genome

- DNA
- Human Genome

Section 5. Cells, Protein, Chromosome and Gene mutation

- Cells, Protein, Chromosome and Gene mutation

Section 6. Introduction to Genetics

- Genetics

Section 7. Genetic Disorders

- How do we get Genetic Disorder

Section 8.

Understanding Diseases

- Huntingtons Disease
- Sickle Cell Diseases
- Down Syndrom
- Thalessemia, Cerbral Palsy & Bipolar Disorder
- Gauchers Disease

Section 1. Basic Macroeconomic Concepts

- Criteria of demand forecasting
- Methods of demand forecasting
- Importance of demand forecasting
- Demand forecasting
- Monopoly
- Market economy
- Supply schedule & Supply curve
- Elasticity of supply
- Assumptions & Exceptions to law of supply
- Supply
- Cross Elasticity Of Demand
- Importance And Factors Affecting Elasticity Of Demand

Section 2. Introduction

- Introduction to economics and Concept of health eco

Section 3. Financial management of health

- What is financial management of health?
- Mobilization of resources
- Curtailment of wasteful expenditure
- Requirement of health systems in India
- Requirement of health systems in India in depth

Section 4. Health Insurance

- Meaning of Health Insurance
- Essentials in health insurance
- Basic elements in health insurance program
- CGHS
- Employee State Insurance Scheme (ESIS)
- Employee State Insurance Scheme benefits
- UHS and RSBY
- Private Health Insurance
- Private Health Insurance- Issues and Challenges
- Community Health Insurance
- Performance of community Health Insurance

Section 1. Introduction to medical ethics

- Introduction to medical ethics

Section 2. Need for medical ethics

- Need To Discuss Medical Ethics
- Ethical Code And Theories
- Ethical Principles

Section 3. Hospital Management Information System

- Aims Of Hmis
- Healthcare Information System
- Structure of Hospital Community
- Categories of Information
- Models of HIS

Section 4. Telemedicine

- Evolution of telemedicine
- Introduction to telemedicine
- Types of telemedicine
- Role of government in telemedicine

Section 5. E-Medical Records

- INTRODUCTION TO MEDICAL RECORDS
- ADVANTAGES OF EMR
- EMR SYSTEM SELECTION
- NEED OF EMR
- CURRENT SCENARIO OF EMR

Section 6. Applications of HMIS

- Definition of HMIS
- Health system organization
- Rural health HMIS
- Angamwadi HMIS
- CURRENT SCENARIO OF EMR

Section 7. Health Insurance

- Introduction to health insurance (hi)
- HI scenario
- History of HI
- Forms of HI
- Approach to HI
- PRIVATE
- KEY CONCEPTS HI

Section 8. Hospital Acquired Infections

- Introduction to hospital acquired infections
- Sources of infection
- Cross infections
- Surveillance
- Hand Hygiene

Section 9. Statistics in Hospital

- Introduction to hospital statistics
- Applications of statistics
- Uses of statistics
- HIS uses in statistics
- Importance of statistics

Section 1. Cost accounting introduction & Objectives

- Analysis of cost
- Direct labour
- Direct expence
- Cost accounting intro and objectives
- Cost concept and cost centre
- Time value of money

Section 2. Importance & Objectives of financial management

- Importance of finance and objectives of financial managemnt
- liquidity vs profitability

Section 3. Function of finance

- Capital Budgeting
- Financing decision
- Elements and scope of financial management

Section 4. Financial Management Introduction

- Financial Management Introduction

Section 5. Profit & loss Account

- Deferred revenue expenditure
- Purpose of the Profit and loss account

Section 6. Accounting Concepts

- What is Audit?
- Types and Classification of Audit
- Books of accounting & forms of organization
- Accounting Conventions
- Accounting Concepts

Section 7. Introduction

- Main objectives & meaning of accounting principles
- Accounting functions

Section 8. Basics of Management

- Definitions of management
- Functions of management
- Theories Of Management
- Fayol's Principles of Management
- Management Theories And Hospital Management

Section 9. Planning

- Planning And Why Planning Is Required
- Levels Of Planning, Time Frame Of Planning, Approaches To Planning
- Planning Process
- Characteristic And Essentials Of a Good Plan
- Limitations Of Planning

Section 10. Strategic Planning

- Strategic Planning
- Most Common Strategies

Section 11. Cost Accounting

- Cost Accounting
- Concept Of Cost
- Direct Material
- Direct Expences
- Fixed And Variable Cost

Section 12. Break even analysis

- Break Even Analysis
- Break Even Point

Section 13. Marginal Cost and Cost reduction

- Marginal Cost
- Cost Reduction
- Costs
- Cost Accounting And Pricing Policy
- Cost Benefit Analysis
- Demand Oriented Prices
- Contribution Pricing
- Other Factors Affecting The Cost

Section 14. Budget

- Budget
- Sources Of Income
- Current Level Of Activity
- Material Cost
- Budget As a Management Tool

Section 15. Ratio Analysis

- Ratio Analysis
- Liquidity Ratio
- Types Of Ratios
- Ratios Useful In Hospital

Section 16. Auditing

- Audit
- Objects Of Auditing
- Types Of Audit
- Internal Audit
- Efficiency Cum Performance Audit
- PPBS Technique

Section 17. Financial management

- Objectives Of Financial Management
- Duties Of Finance Manager

Section 1. Roles of Hospital Administrator & Career Opportunity

- Broad topics under hospital management
- Roles & functions of Hospital administration
- Hospital administration and career opportunities

Section 2. Managerial activities of Hospital

- Hospital as system
- Are Healthcare services unique
- Managerial activities of hospital

Section 3. Introduction to hospital & Healthcare Management

- Three pillars and classification of healthcare
- Definition of Hospital and Healthcare Management

Section 1. Hospital Management Sections

- Hospital Operational Management Sections
- Hospital Sectoral Diagram of Relationship

Section 2. Functional relationship and division of Hospitals

- Various Division of Hospitals
- Hospital Requirements and Standards
- Classification of Hospitals

Section 3. Developmental Phase & Functions of Hospitals

- History of Developmental Phases of hospitals
- Developmental Phase and functions

Section 1.Introduction

- Introduction to outpatient services

Section 2. Importance of OPD

- Importance of OPD
- OPD Planning considerations
- Flow chart of OPD
- Determination of consulting rooms

Section 3. Ancillary Services and Common Problems in OPD

- Ancillary Services and Common Problems in OPD
- Origin of Problems in OPD
- Queuing and waiting time problems
- Other OPD problems and solutions
- Solutions to OPD problems

Section 4. Effective OPD operation

- Effective OPD operation

Section 1. Introduction

- Nursing Unit
- Advantages & Disadvantages of Nightingale ward

Section 2. Progressive Nursing Care

- Progressive Nursing Care
- Classification of Ward accommodation

Section 3. Modular Grid

- Modular Grid
- Special Nursing Units

Section 4. Nursing Services

- Nursing Services
- Role of Nursing Services

Section 5. Various methods of determining the no of nursing staff

- Determining the nursing staff requirement
- Various methods of Determining the no of Nurses

Section 6. Factors influencing the No of Nurses requirement

- Factors influencing nursing staff requirement

Section 7. Nursing schedule or Assignment Method

- Nursing Schedule or Assignment Method
- Steps in determining the no of nursing staff
- Nursing time utilization studies
- Nursing Council Norms
- Policies and procedures
- Problems in nursing services

Section 1. Definition of ICU & role and functions of ICU

- ICU definition
- Role and functions of ICU

Section 2. ICU Need, History

- Need of ICU
- History of ICU

Section 3. Characteristics of ICU

- Characteristics of ICU
- ICU Size
- Bed estimation for ICU

Section 4. Types of Patients & ICU

- Types of Patients
- Types of ICU

Section 5. Factors to be considered for Planning & organization of ICU

- Factors to be considered for planning & organization of ICU

Section 6. Design & Layout of ICU

- Design and layout of ICU

Section 7. Patient Bed area

- Patient bed area
- Personal space for patients

Section 8. Central Nursing station

- Central Nursing Station
- Toilet facility in ICU

Section 9. ICU personnel and other ICU personnel

- ICU personnel
- Other ICU personnel

Section 1. Introduction

- Introduction to operation theater

Section 3. History of surgery

- History of surgery
- Types of surgery

Section 4. Points to be considered for OT Planning

- Points to be considered for OT planning
- Location consideration for OT planning



Frequently Asked Questions

Will I be able to open my own pharmacy or hospital once I have completed this course?

The course is built such that you will have knowledge regarding the operations of pharmacy and hospitals. But, it does not provide you with a graduating degree required to open a pharmacy or hospital.

Apart from having a graduating degree, how does this course help me with the future of my professional life?

The course was built by our experts by keeping the knowledge of the present health care scenario. With the knowledge you have from your graduating degree this course will be like a guiding light. That takes you one step closer to your dream. The course gives you practical knowledge, which, you will be able to apply to a real-life scenario.



Customer Reviews

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This is absolutely the best management course I have ever experienced. I have learned so much and I can't wait to use this knowledge in my job. I will definitely engage in more of your courses as you have peaked my interests. I am thankful for this website. I wish more people made their programs as enjoyable as this one.

Katarina Varsanyiova

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There is a lot of good information to process and take notes on. Very helpful. Will review this section often. I appreciated that the instructor took time to notate the differences between healthcare practices in India vs the US. It also helps that the instructor opted to breakdown the different segments of how healthcare works.

Brittnee Anderson

”

Wonderful course in understanding hospital and healthcare management, this is a great course for the learners, very good tutorials as well. definitely i will suggest to my friends also, this kind of course will help people a lot for self based learning and also very knowledgeable too, nice course to try.

JAMUNARANI C



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Healthcare Course

For Queries please contact:

Email : info@educba.com



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